

## **Appendix A – Traffic Count Data**

*Appendix A* contains the traffic count data for the study intersections obtained from ODOT.

DRAFT

## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/7/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

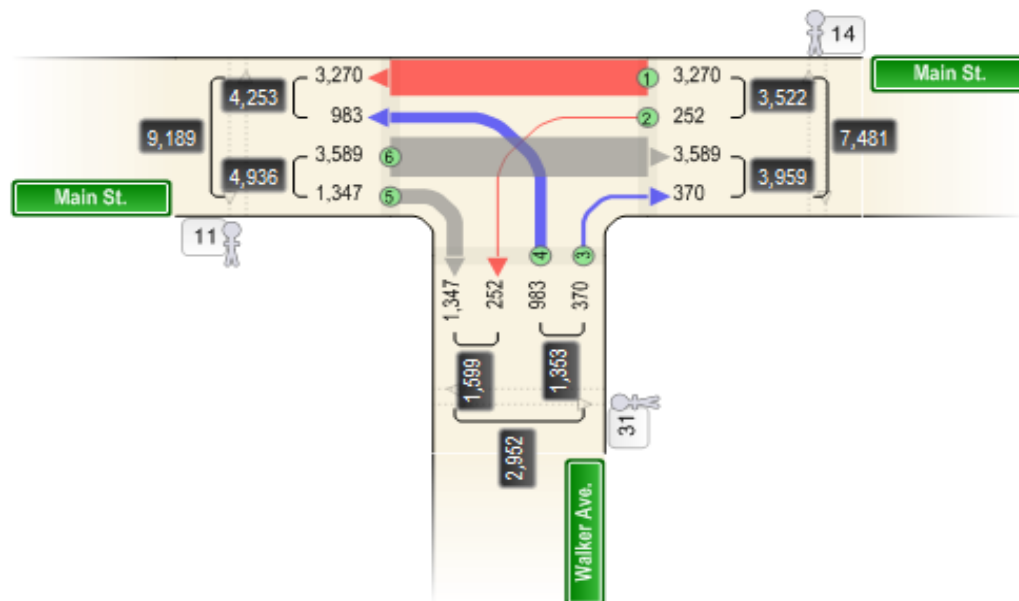
### Source

Site Number: 15022009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: Main St. @ Walker Ave.

County: bicyclists waering helmets = 70  
Jackson  
City: Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/15/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

## Source

Site Number: 15042009  
Mile Point: 1.71  
Street Number: 021  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

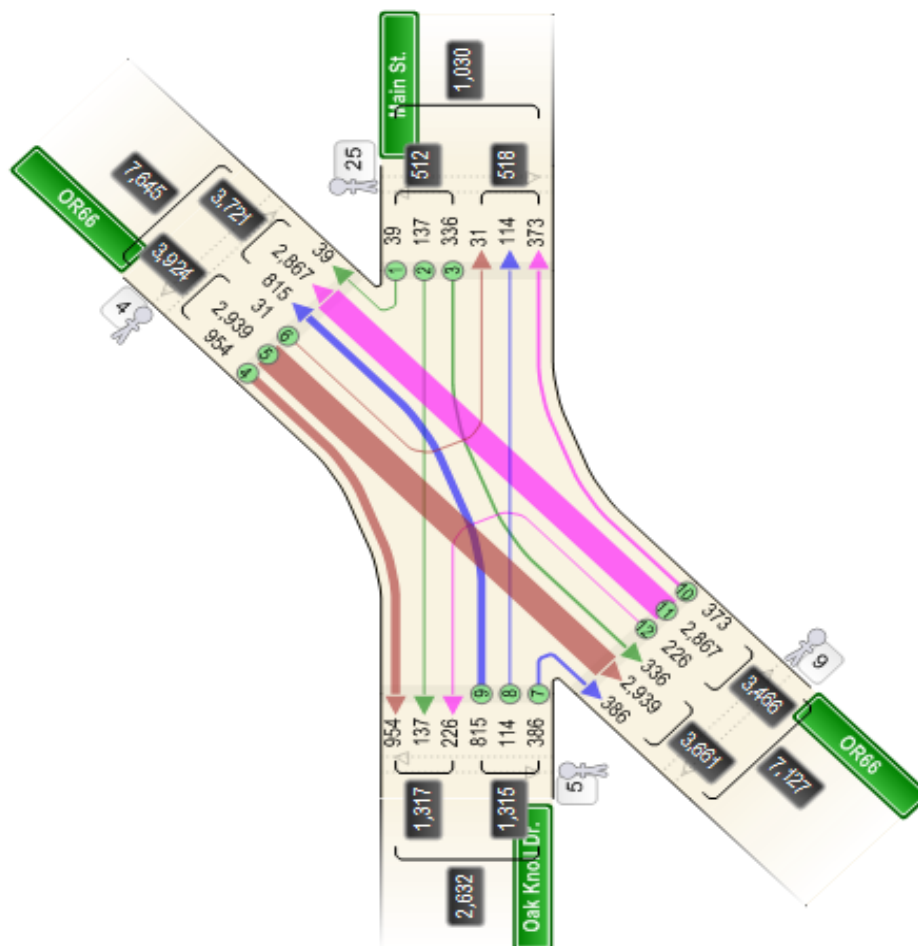
## Source Description

Location Description: OR66 @ main St. & Oak Knoll Dr.

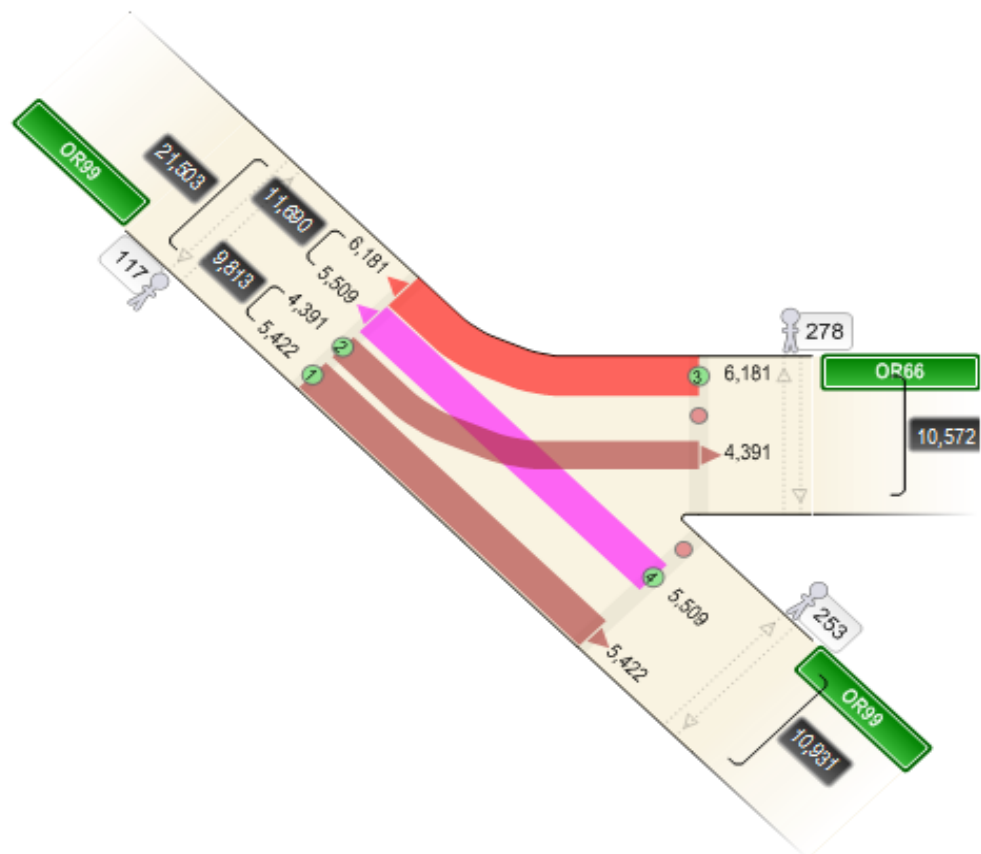
site 1604 - east leg

85 bicyclists with helmets

County: Jackson  
City: Ashland



Jackson  
Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 9/23/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

### Source

Site Number: 15062009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

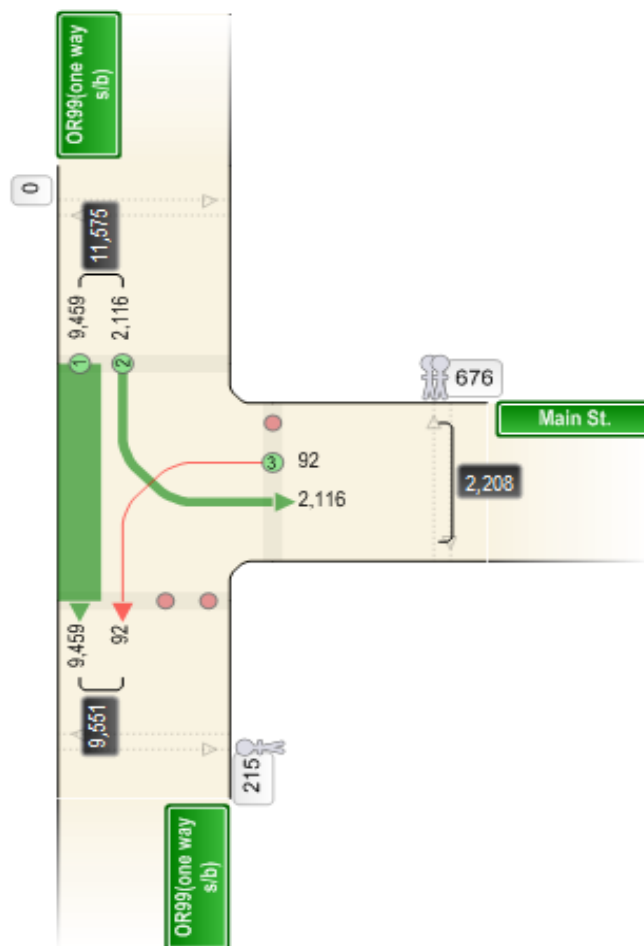
### Source Description

Location Description: OR99(one way s/b) @ Main St.

225 bicyclists with helmets  
4 scooters  
4 skateboarders

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

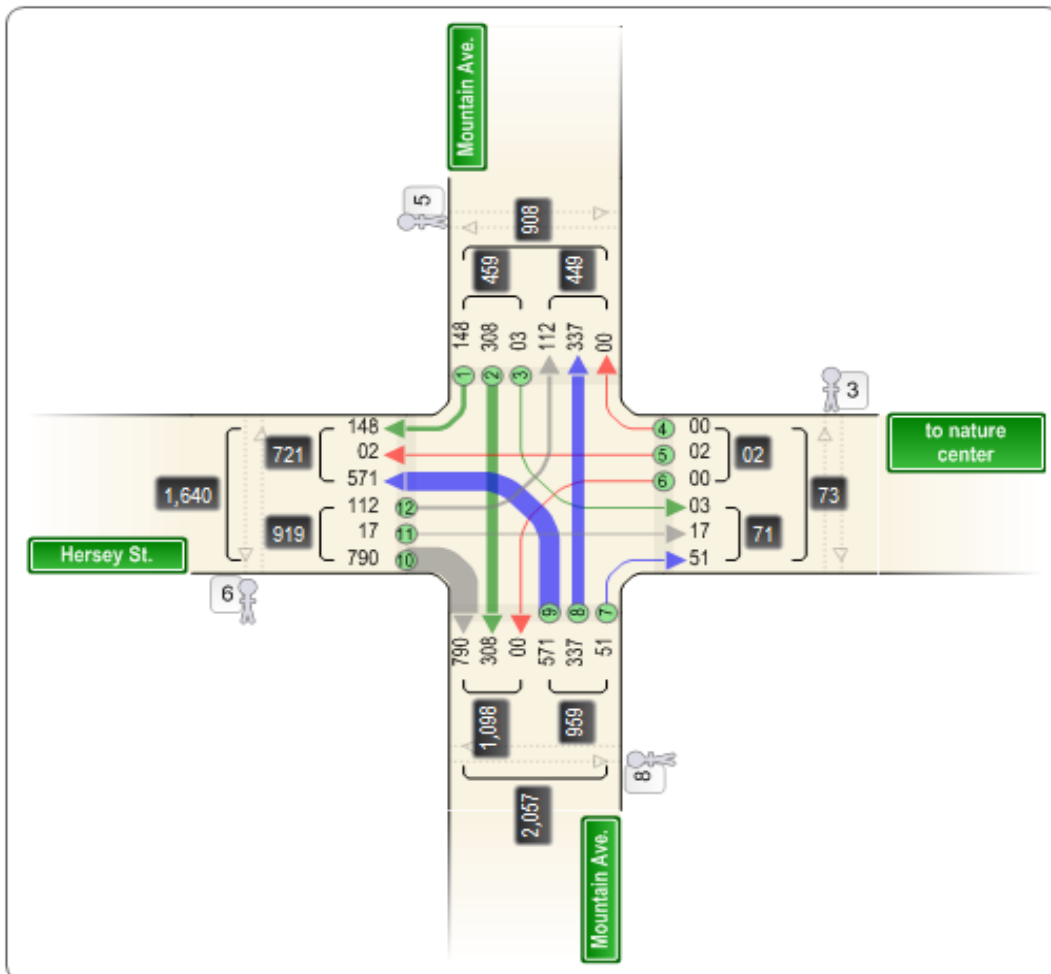
Date: 10/6/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

Site Number: 15072009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Mountain Ave. @ Hersey St. & nature center driveway  
County: Jackson  
City: Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/7/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

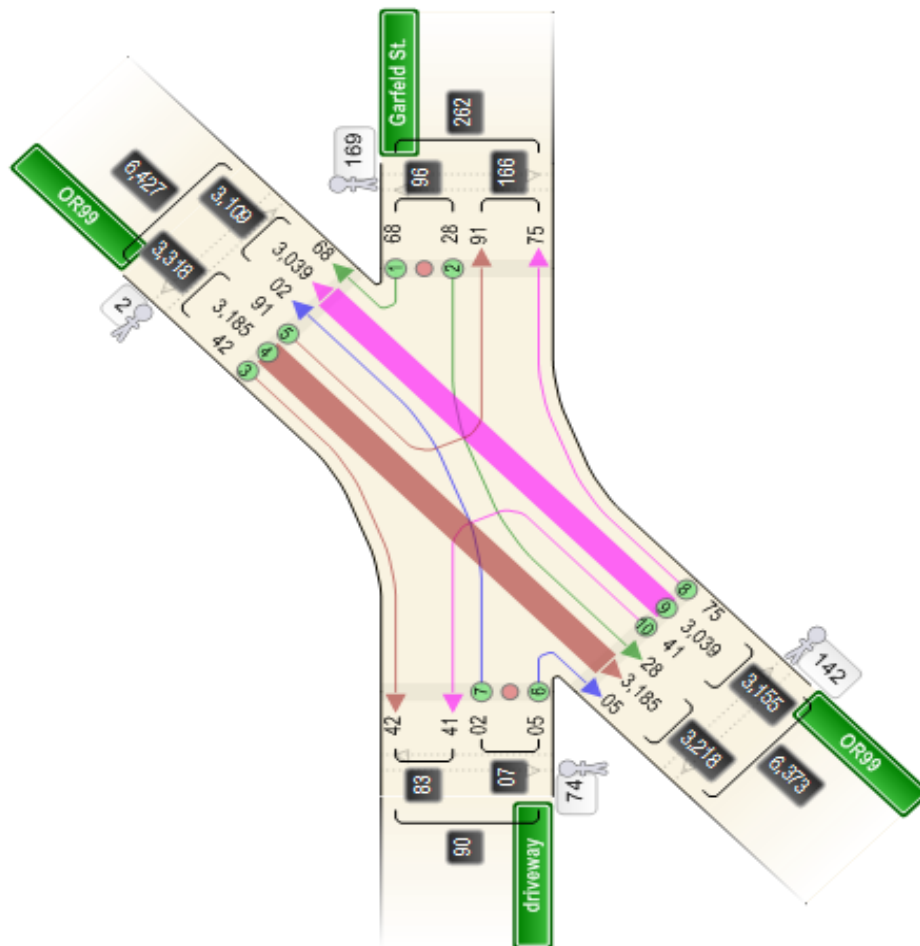
### Source

Site Number: 15082009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: OR99 @ Garfield St.

County: Jackson  
City: Ashland  
60 bicyclists with helmets



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 9/22/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

### Source

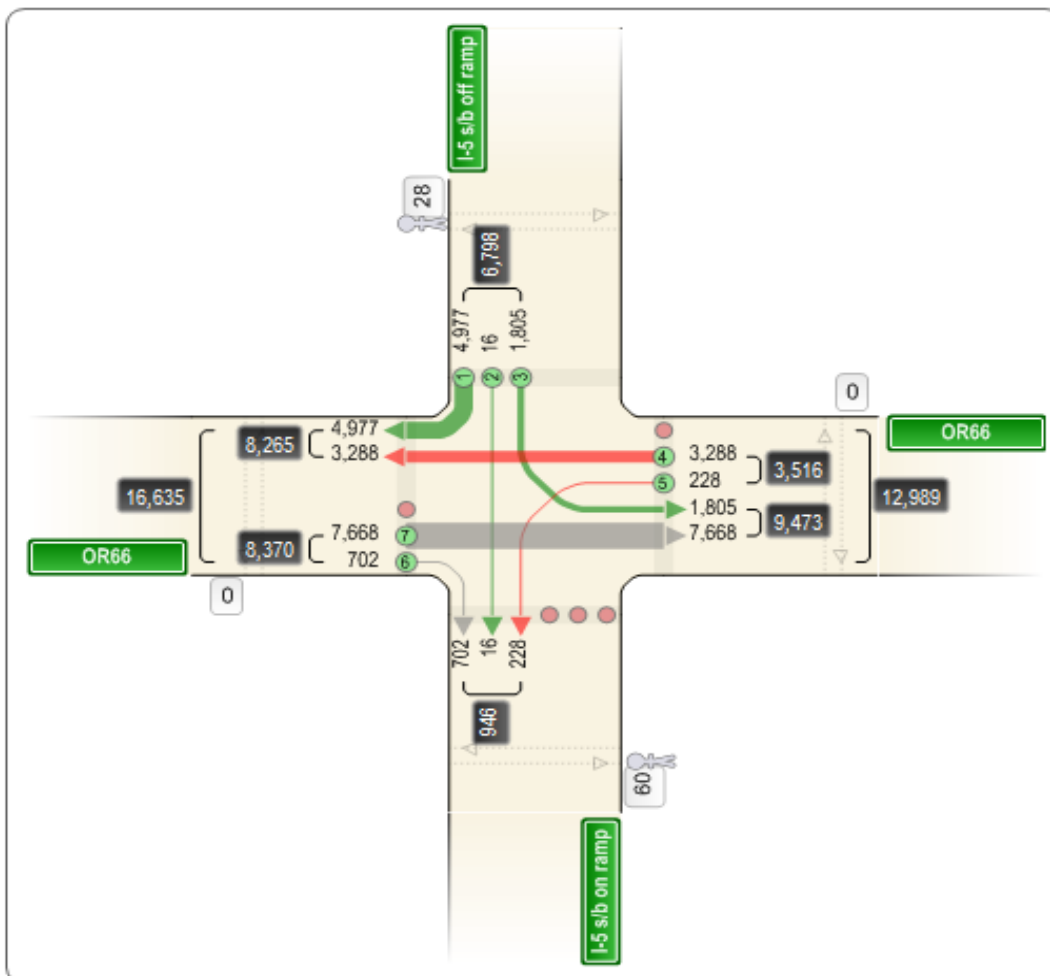
Site Number: 15092009  
Mile Point: 14.17  
Street Number: 001  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: Pacific Hwy(I-5) s/b on/off ramps @ Green Springs Hwy(OR66)  
32 bicyclists with helmets

off ramp - 15466  
on ramp 16830  
1602 - west leg  
1603 - east leg

County: Jackson  
City: Ashland





# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/16/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

## Source

Site Number: 15102009  
Mile Point: 21.85  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

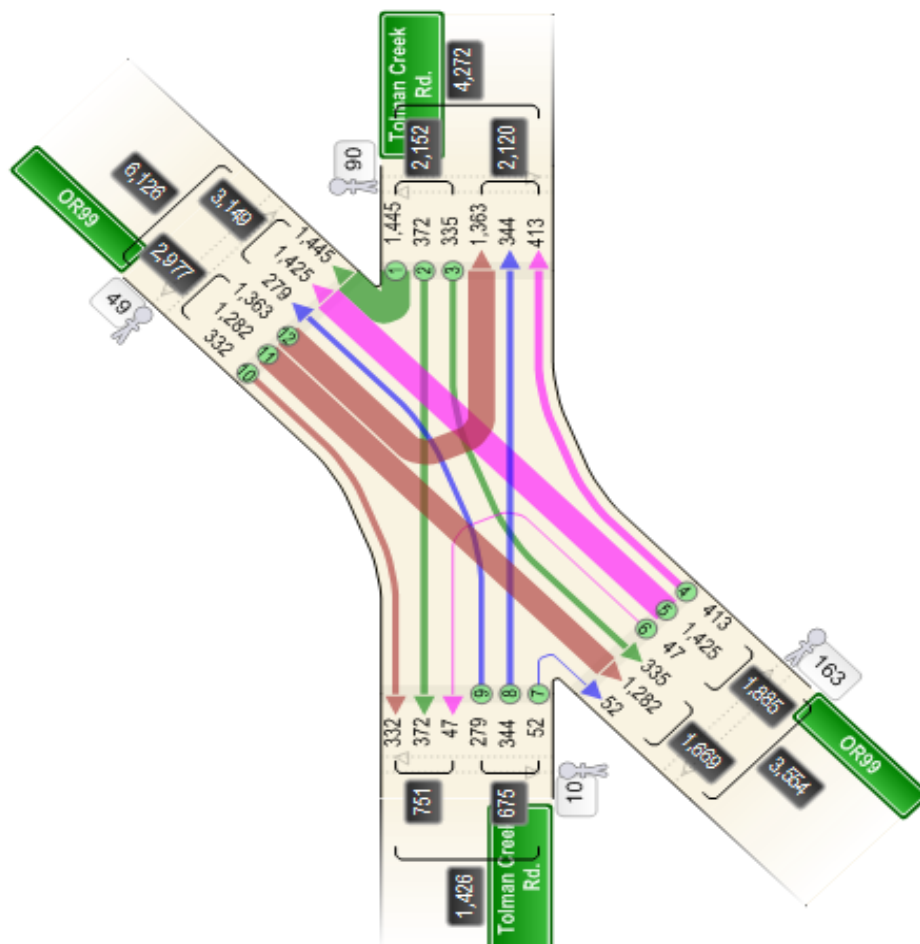
## Source Description

Location Description: Rogue Valley Hwy(OR99) @ Tolman Creek Rd.

site 2766 - south leg

77 bicyclists with helmets

County: Jackson  
City: Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/16/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

## Source

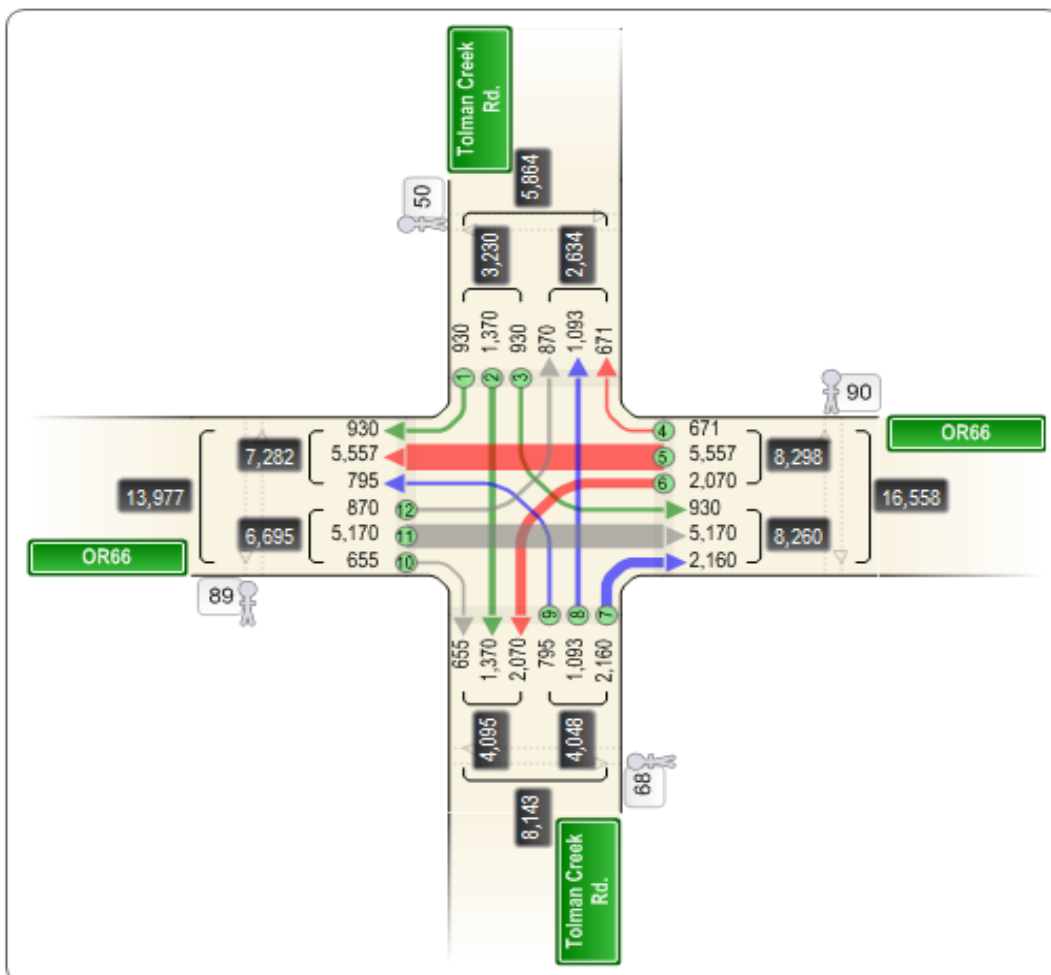
Site Number: 15112009  
Mile Point: 1.04  
Street Number: 021  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: OR66 @ Tolman Creek Rd.

site 1601-west leg  
91 bicyclists with helmets

County: Jackson  
City: Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 9/14/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

### Source

Site Number: 15122009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

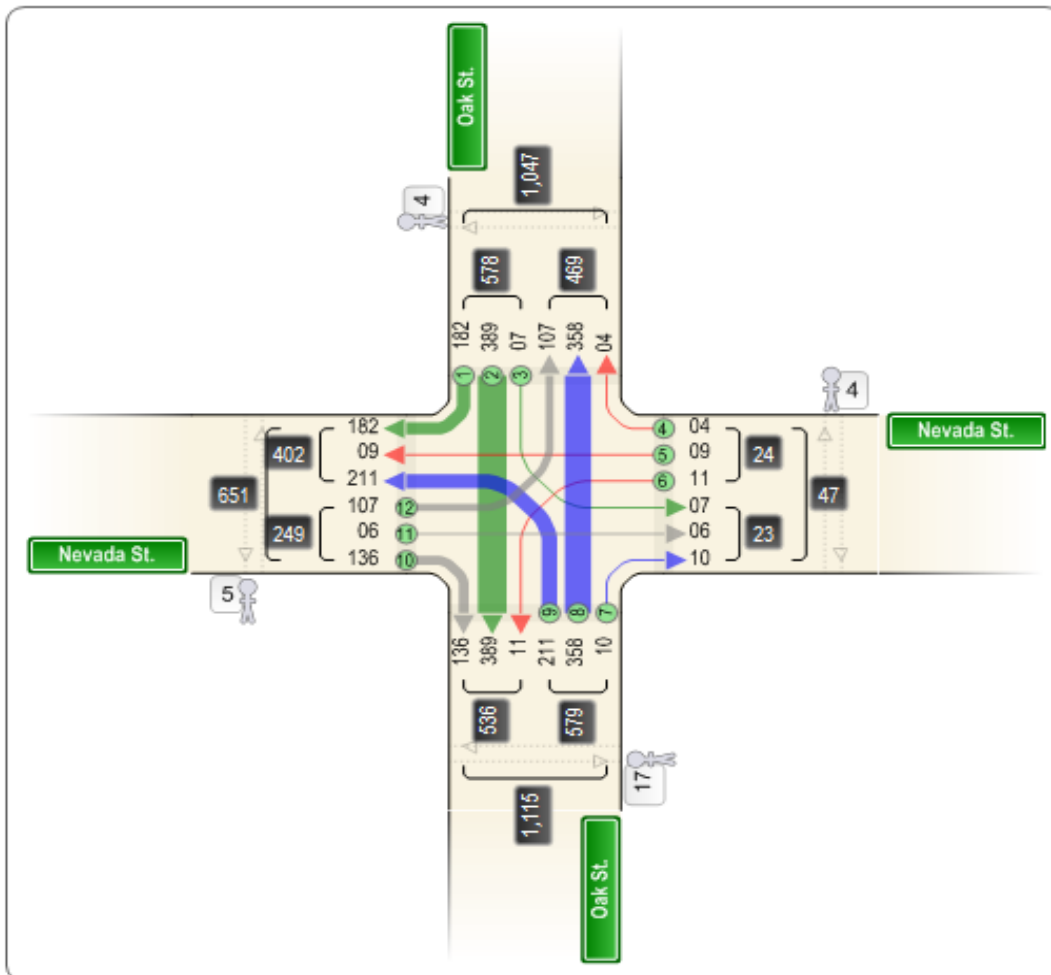
Location Description: Oak St. @ Nevada St.

4 hour count

18 bicyclists with helmets

County:  
City:

Jackson  
Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

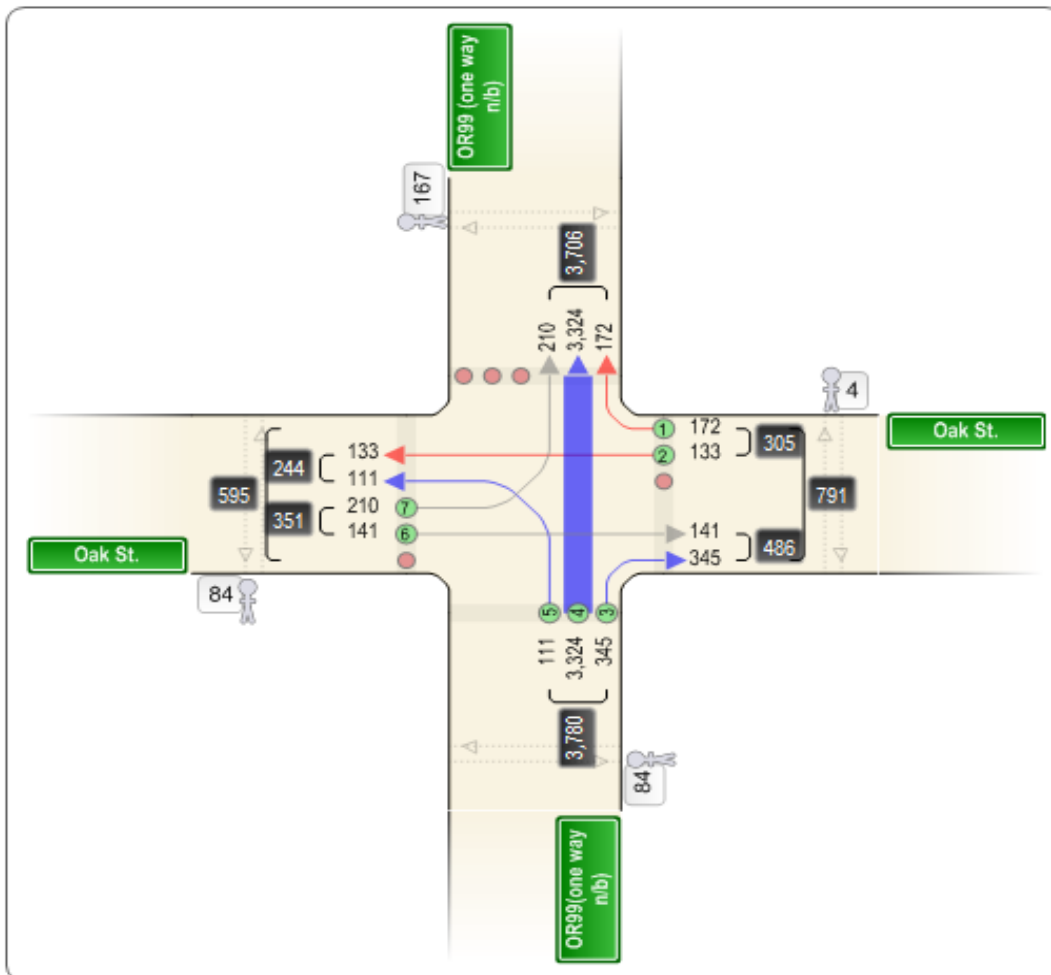
Date: 9/21/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

### Source

Site Number: 15132009  
Mile Point: 19.17  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: OR99(n/b one way) @ Oak St.  
County: Jackson  
City: Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/6/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

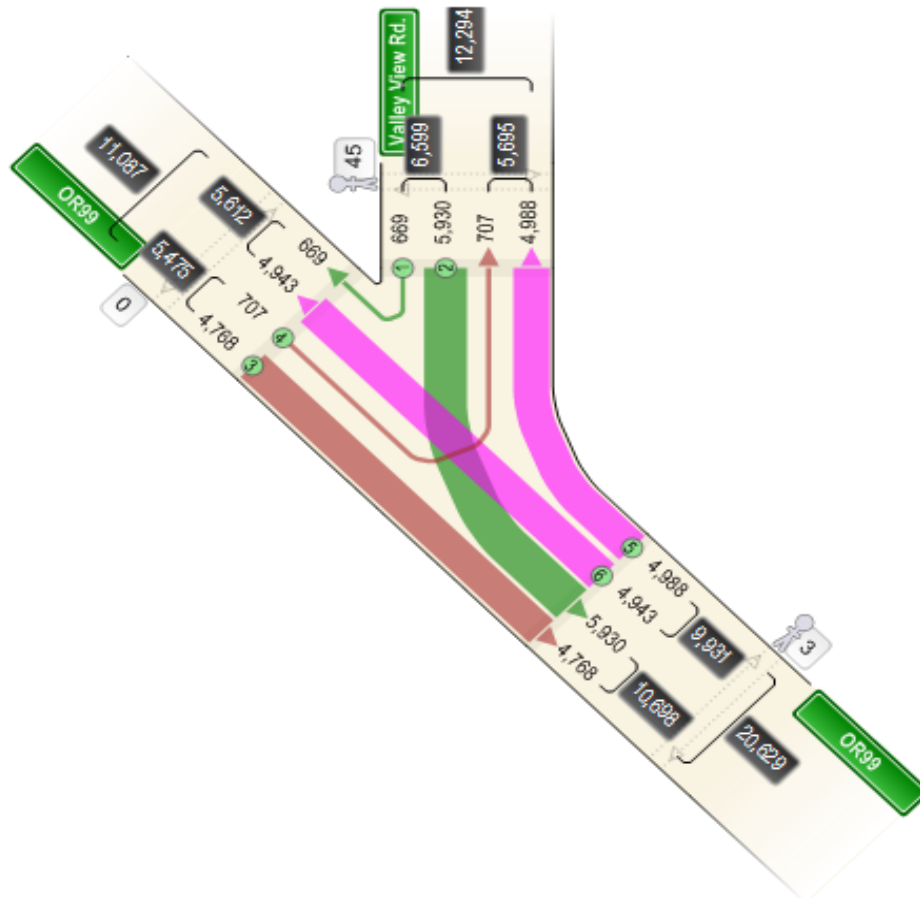
### Source

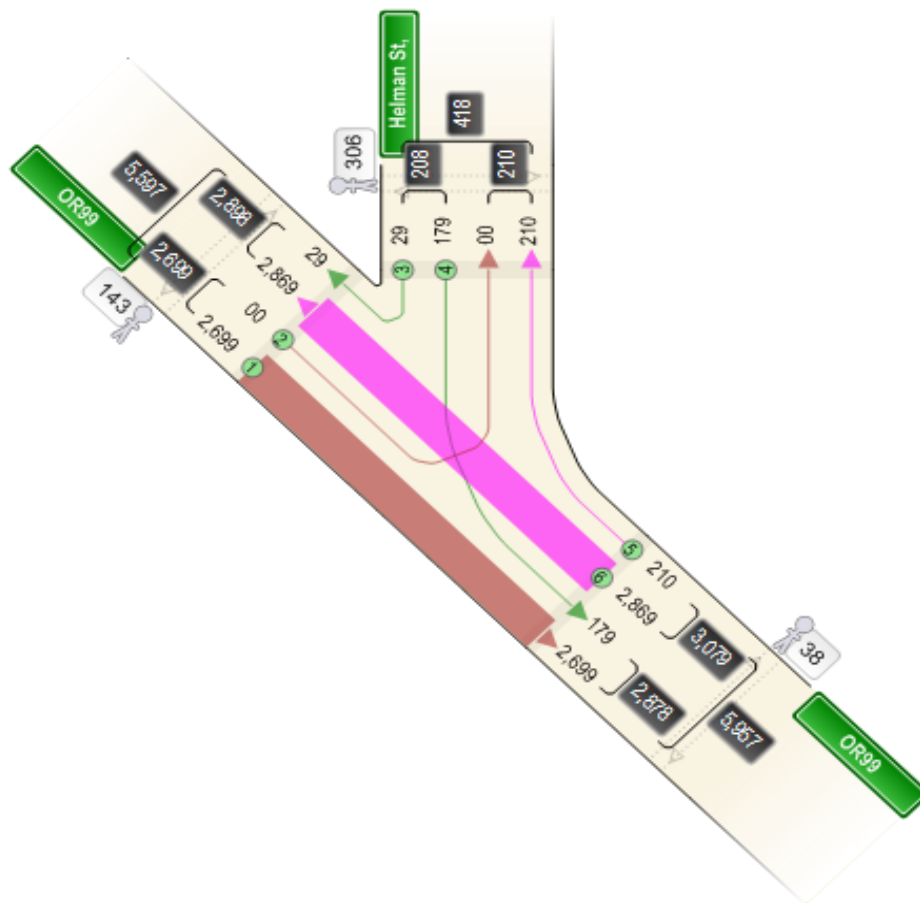
Site Number: 15152009  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: OR99 @ Valley View Rd.

County: Jackson  
City: Ashland  
site 2574 - south leg





## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 9/22/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

### Source

Site Number: 15172009  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

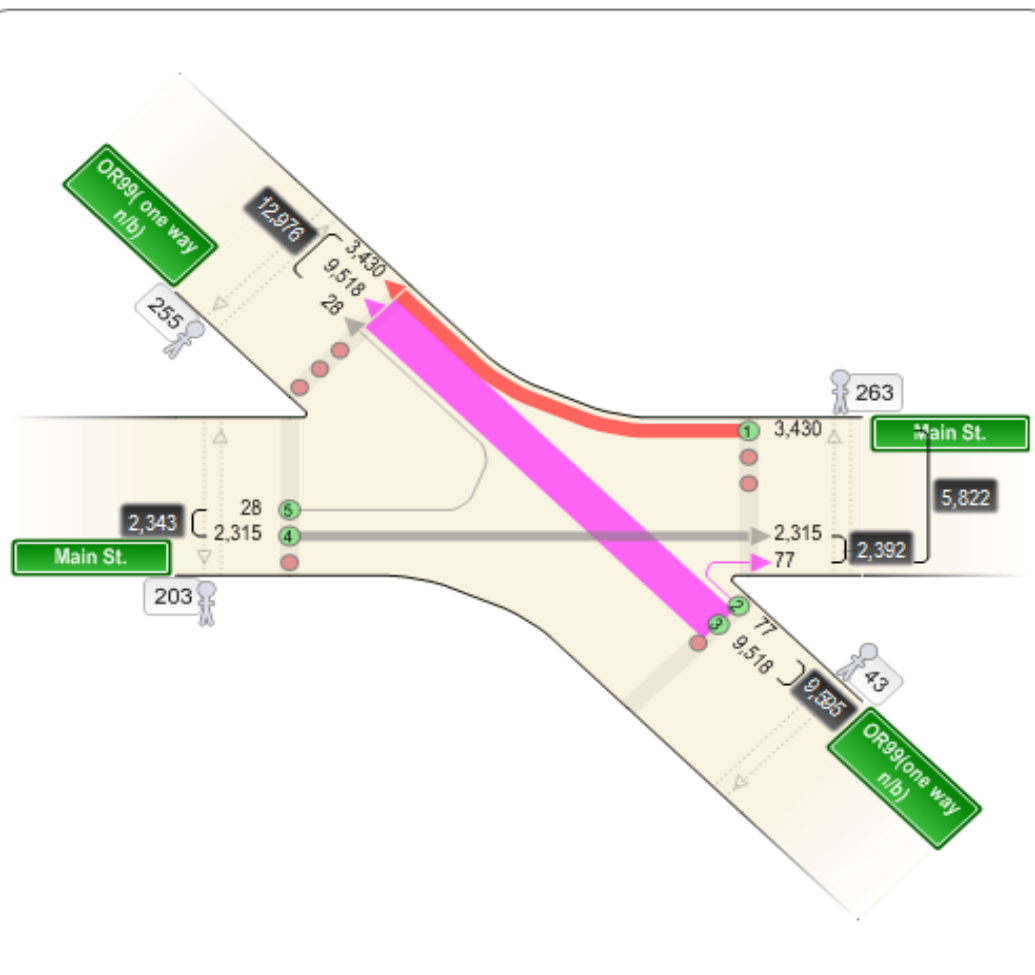
Location Description: Rogue Valley Hwy(OR99/one way n/b) @ Main St.

6 skateboarders

270 bicyclista with helmets

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/15/2009  
Hours: 2:00 PM-6:00 PM  
Weather:

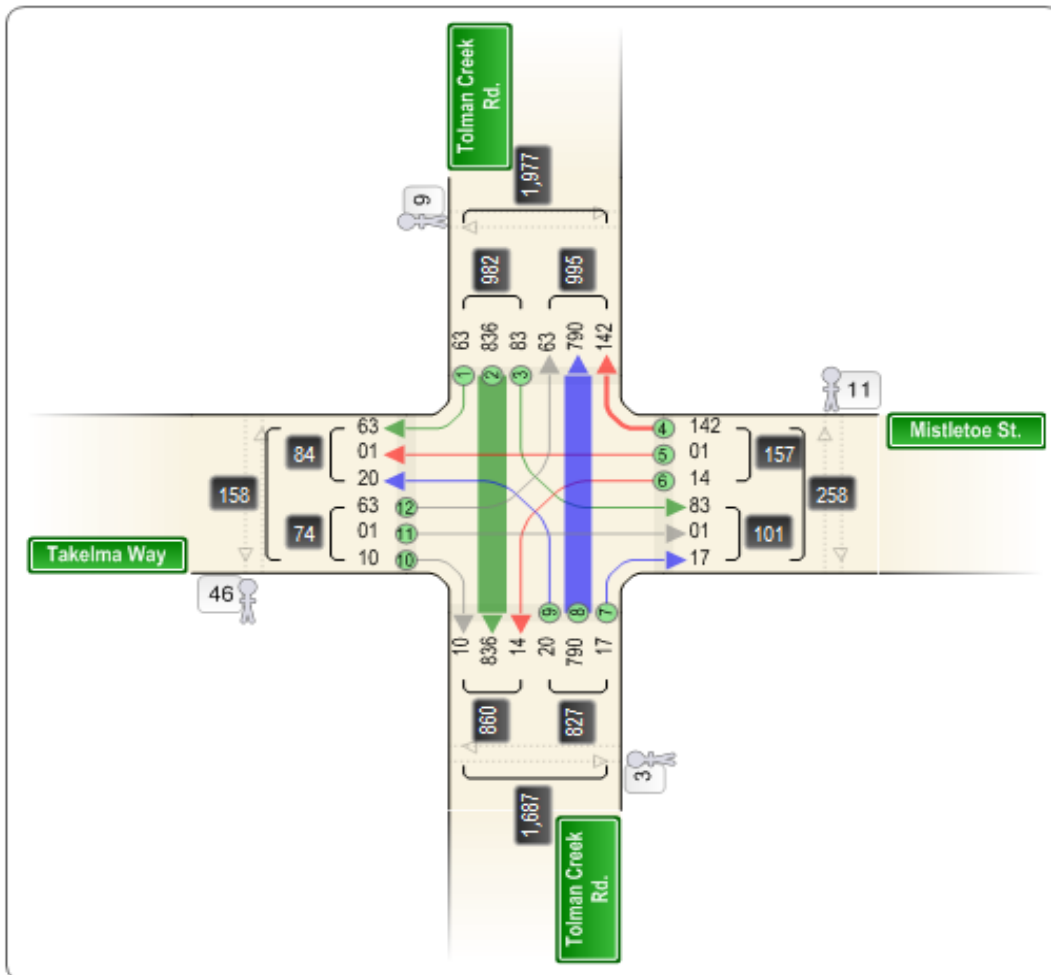
## Source

Site Number: 15182009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Tolman Creek Rd. @ Mistletoe St/ Takelma Way

County: 50 bicyclists with helmets  
Jackson  
City: Ashland





# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/15/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

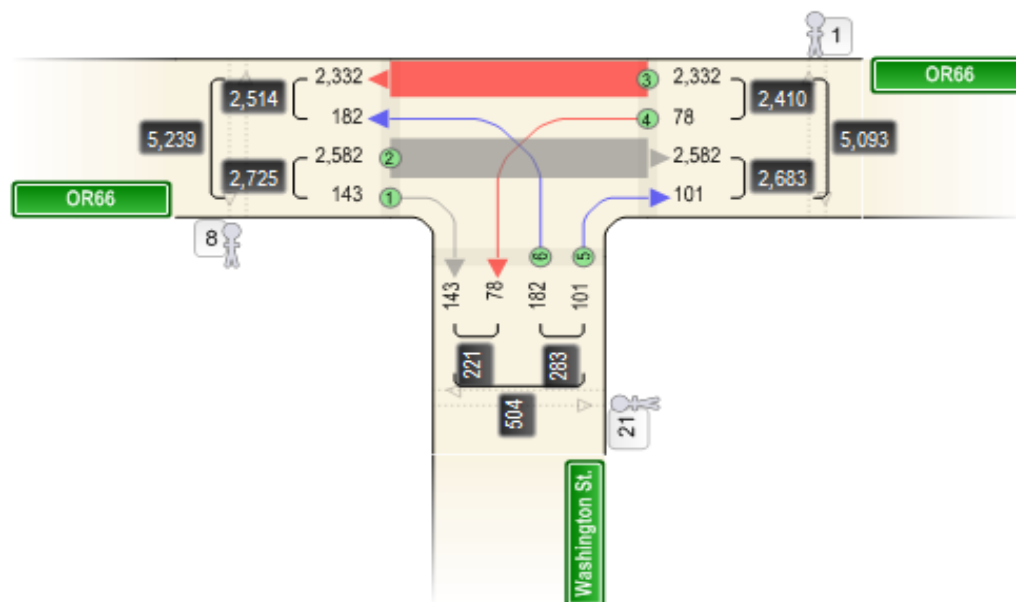
Site Number: 15192009  
Mile Point: 1.18  
Street Number: 021  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Green Springs Hwy(OR66) @ Washington St.  
site 1601 - east leg

4 hour count (2-6pm)  
24 bicyclists with helmets  
1 skateboarder

County: Jackson  
City: Ashland



**Transportation Development Division  
Transportation System Monitoring Unit  
Vehicular Volume**

**Time settings**

Date: 9/23/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

**Source**

Site Number: 15202009  
Mile Point: 22.05  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

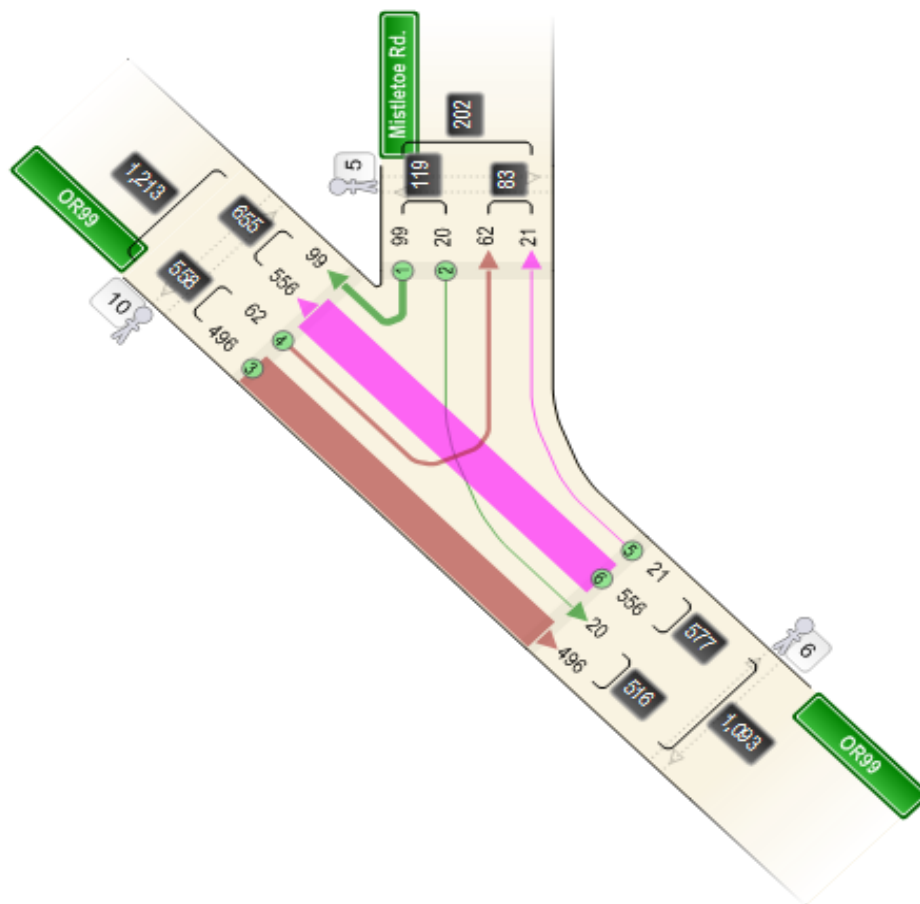
**Source Description**

Location Description: Rogue Valley Hwy(OR99) @ Mistletoe Rd.

site 2767 - north leg

4 hr count 2-6PM

County: Jackson  
City: Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 10/5/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

Site Number: 15222009  
Mile Point: 20.84  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: OR99 @ Walker Ave.

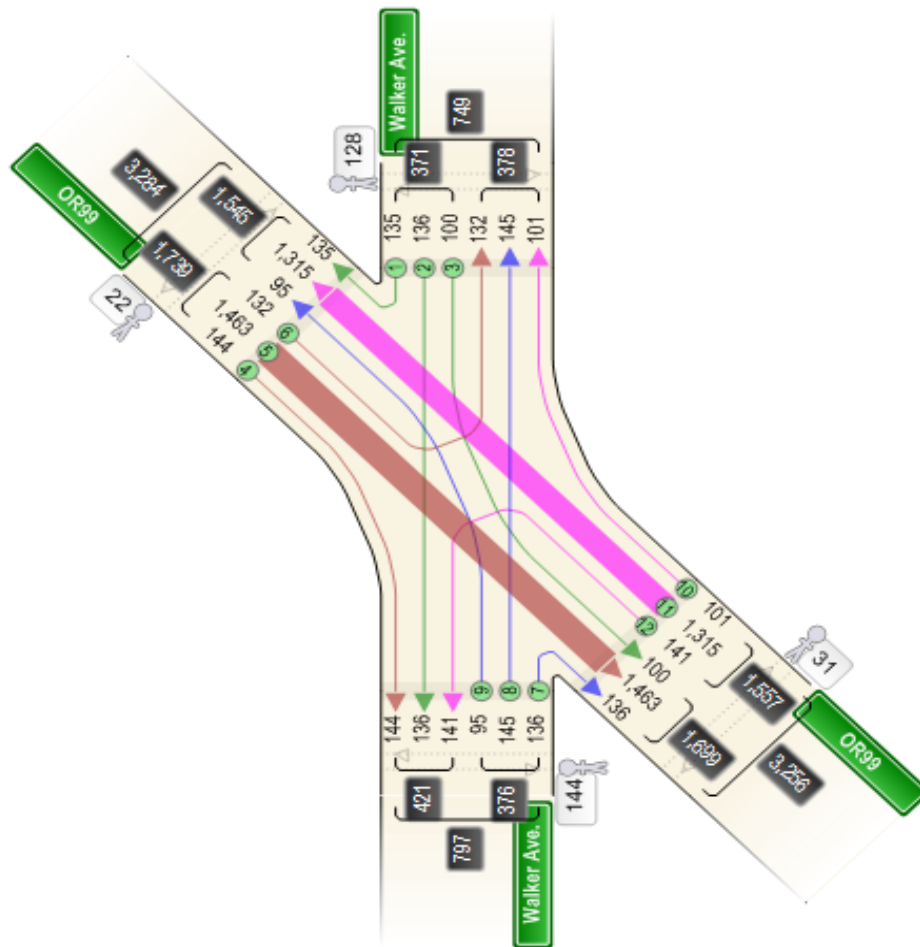
4 hr count 2-6PM

site 2764 south leg

44 bicyclists with helmets

County:  
City:

Jackson  
Ashland



**Transportation Development Division  
Transportation System Monitoring Unit  
Vehicular Volume**

**Time settings**

Date: 9/15/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

**Source**

Site Number: 15232009  
Mile Point: 1.98  
Street Number: 021  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

**Source Description**

Location Description: Green Springs Hwy(OR66) @ Dead Indian Memorial Rd.

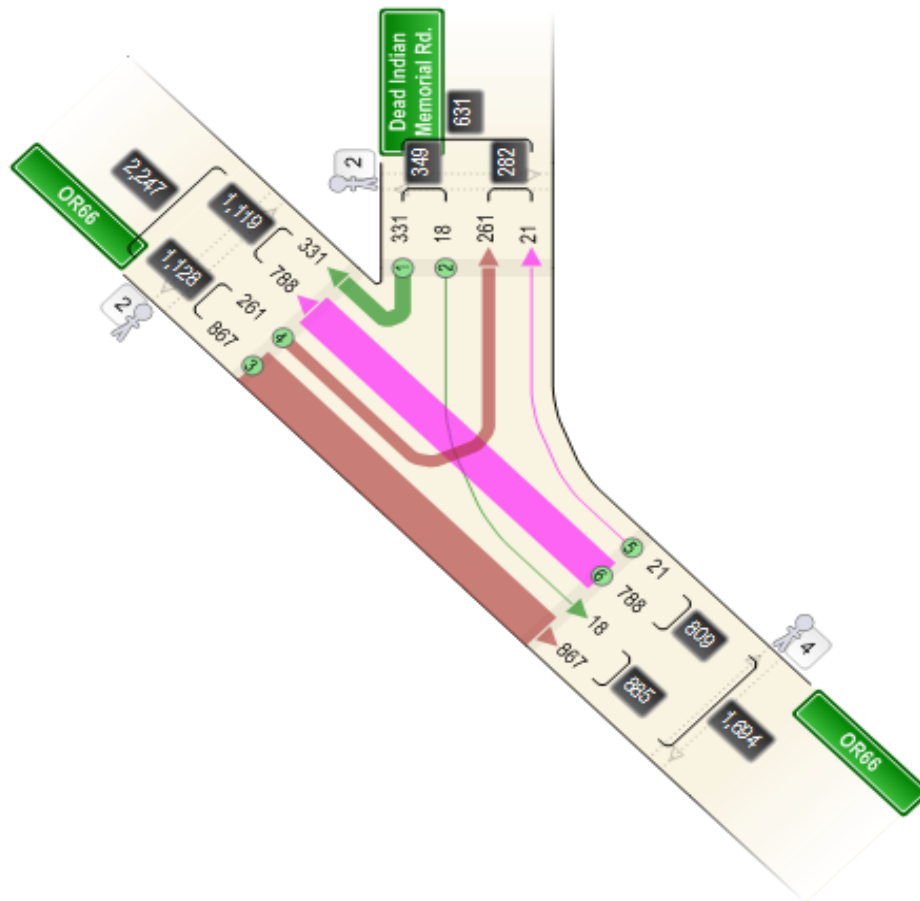
4 hr count

site 1605 - west leg

24 bicyclists with helmets

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/14/2009  
Hours: 2:00 PM-6:00 PM  
Weather:

## Source

Site Number: 15242009  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: OR99 @ Maple St. & driveway to assisted living retirement center

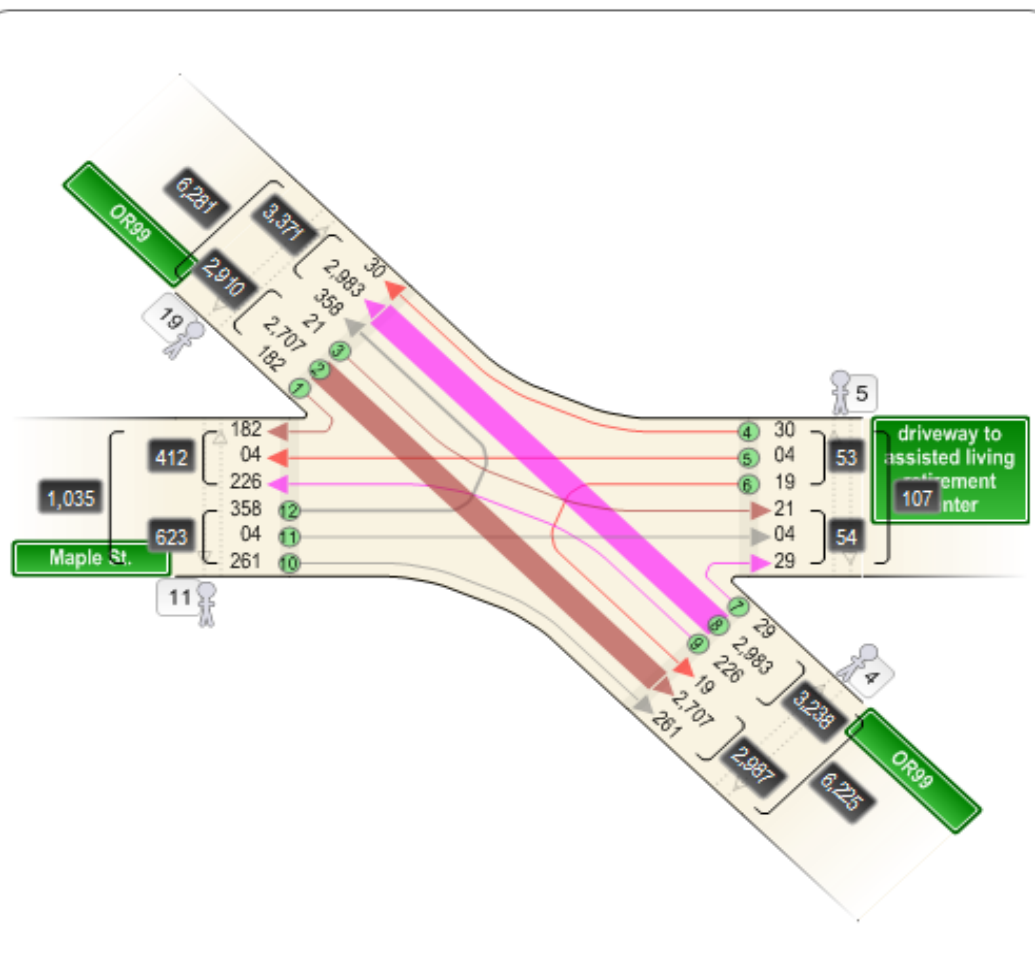
4 hr count 2- 6PM

site 2755 - north leg

25 bicyclists with helmets

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 10/5/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

Site Number: 15252009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

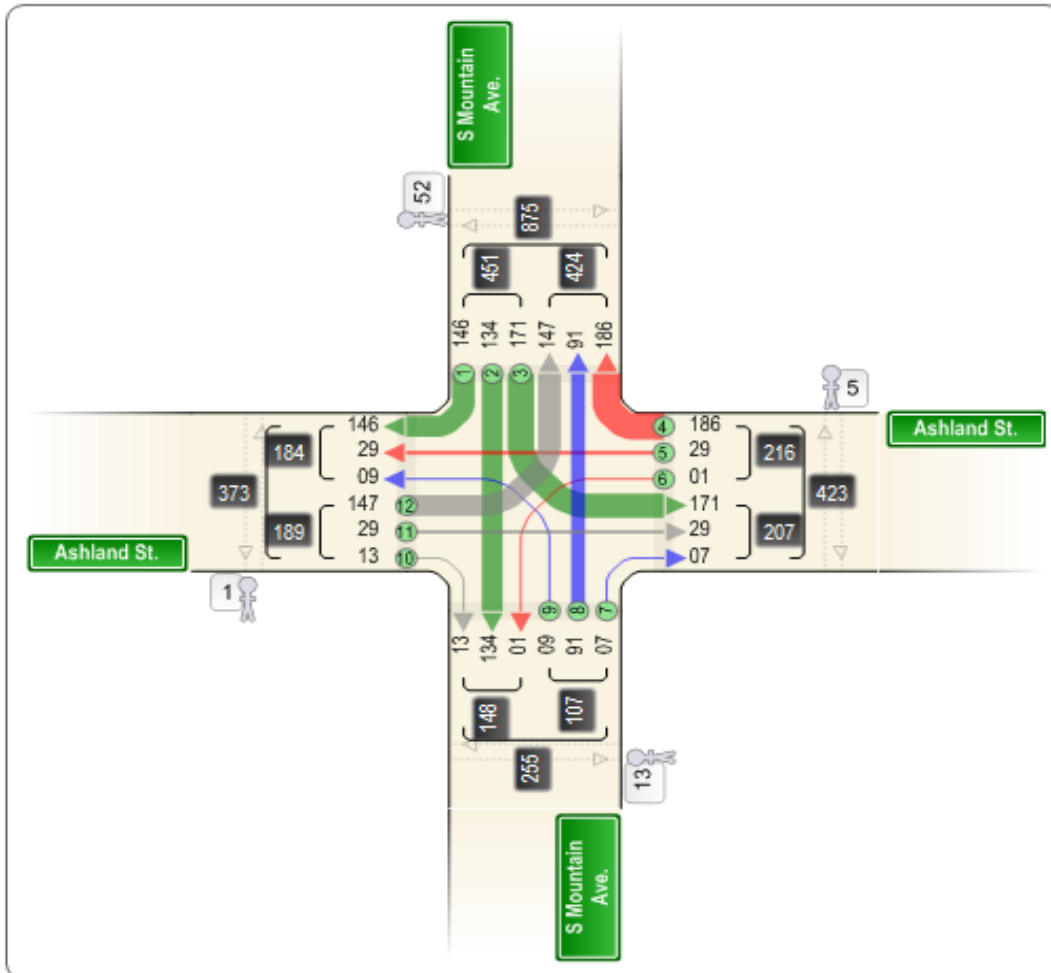
Location Description: Ashland St. @ S Mountain Ave.

4 hr count - 2-6PM

12 bicyclista with helmets

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/16/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Clear

## Source

Site Number: 15262009  
Mile Point: 14.17  
Street Number: 001  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Pacific Hwy (-5) n/b on/off ramps @ Green Springs Hwy(OR66)

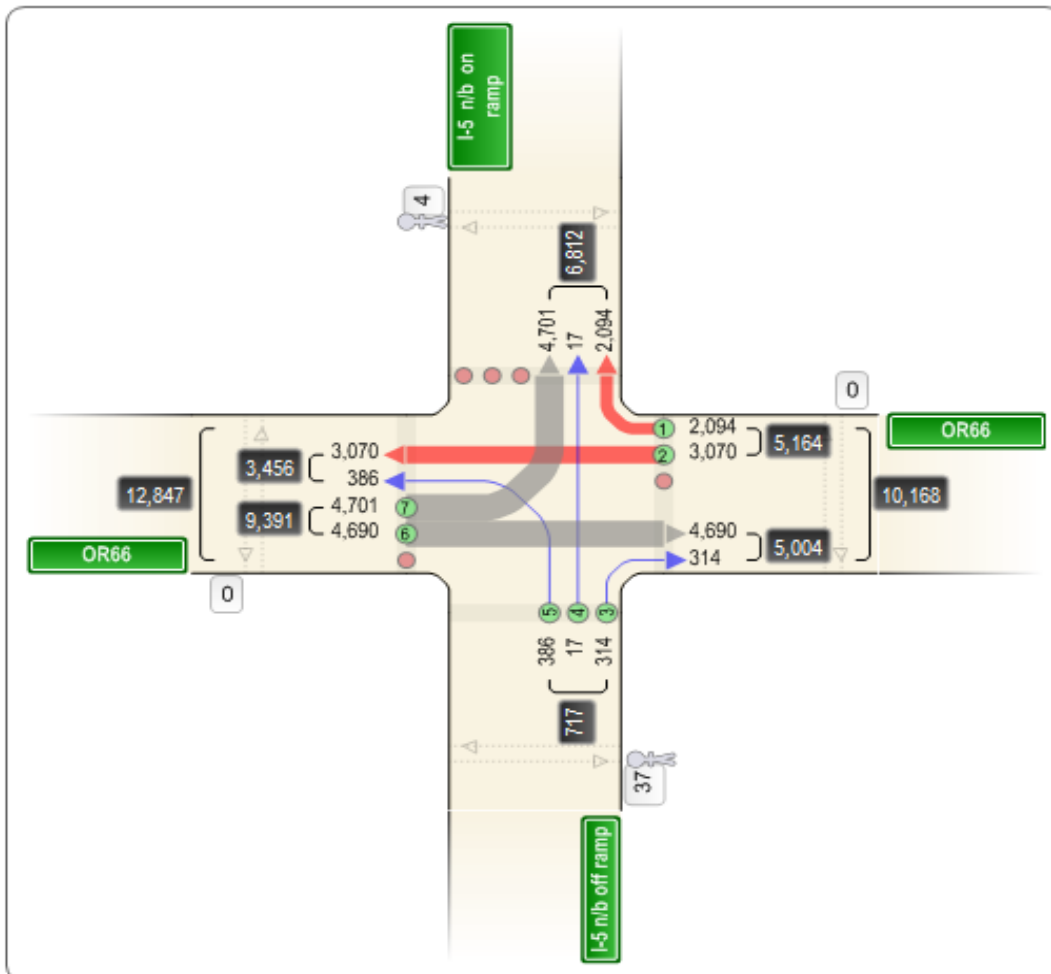
n/b off ramp site 15465  
n/b on ramp site 16830  
east leg site 16827

30 bicylists with helmets

traffic combined when dark

County:  
City:

Jackson  
Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/7/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

### Source

Site Number: 15272009  
Mile Point: 19.17  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

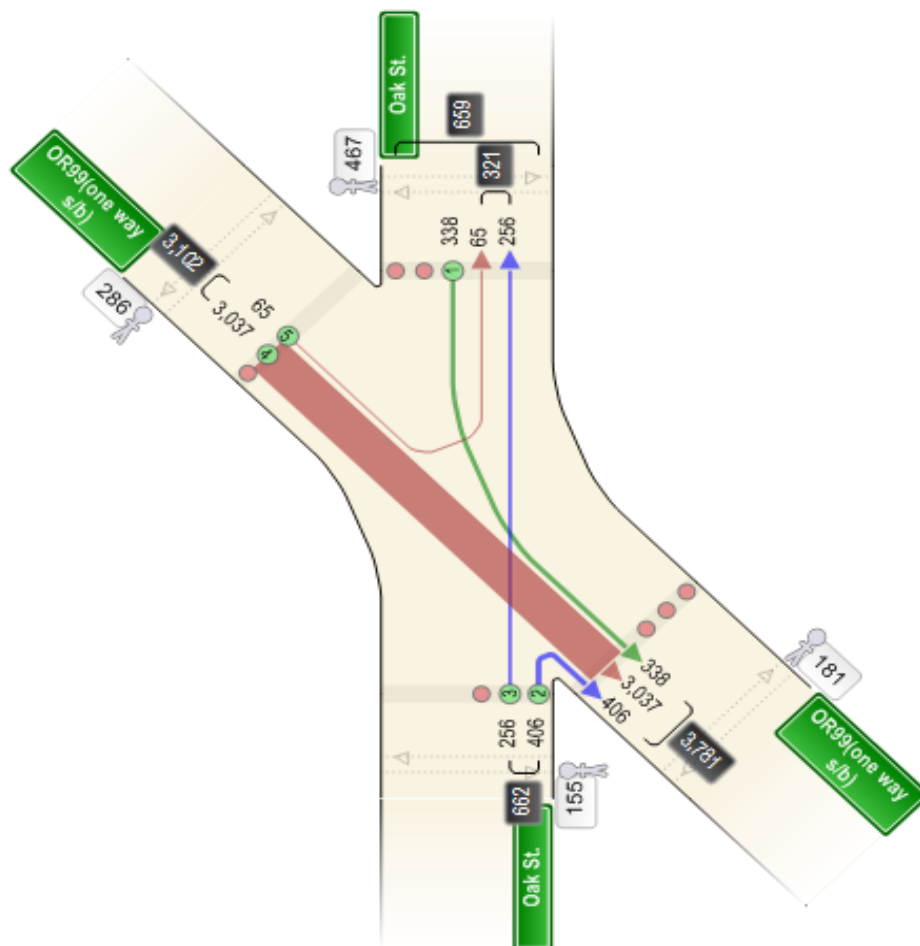
### Source Description

Location Description: OR99(Rogue Valley Hwy/one way s/b) @ Oak St.

4 hr count 2-6PM

37 bicyclists with helmets

County: Jackson  
City: Ashland





# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/14/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

Site Number: 15292009  
Mile Point: 18.67  
Street Number: 063  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Rogue Valley Hwy(OR99) @ Wimer St. & Hersey St.

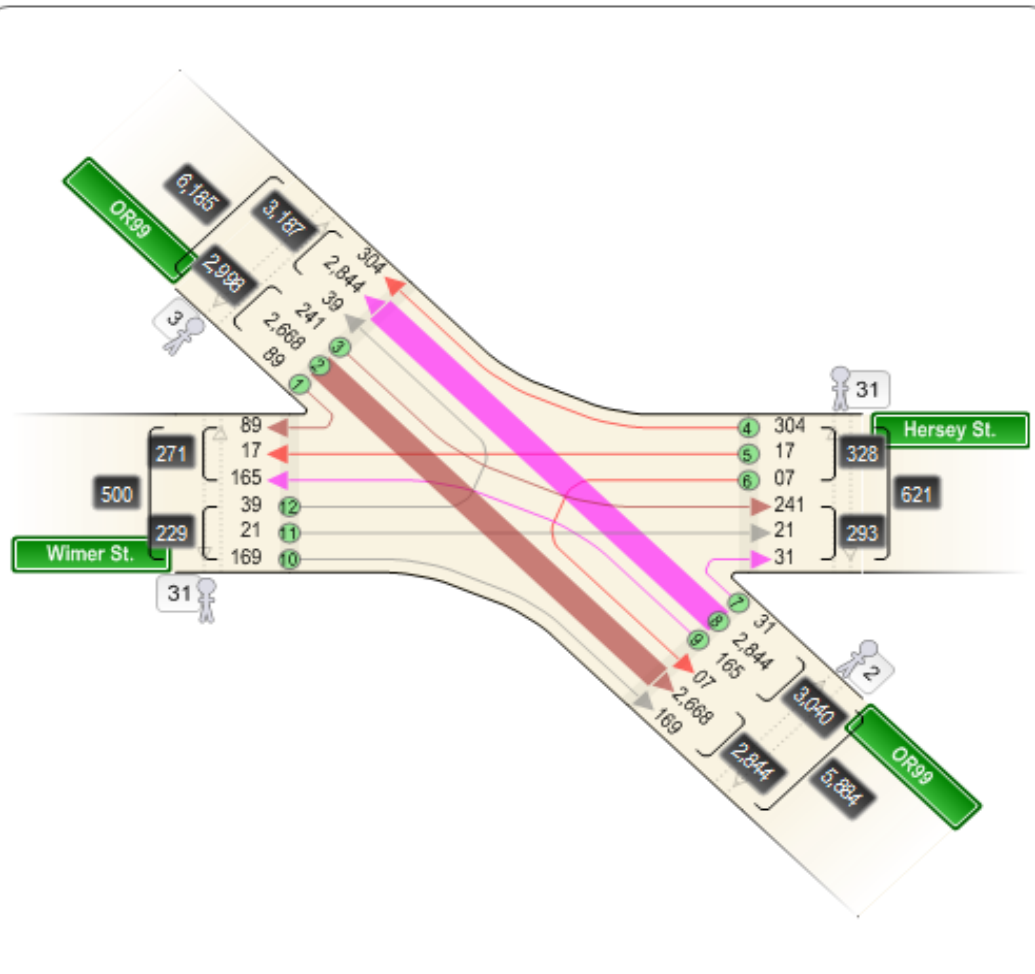
4 hour count 2-6PM

56 bicyclists with helmets

site 2756 - south leg

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 10/26/2009  
Hours: 6:00 AM-10:00 PM  
Weather: Cloudy;Rain

## Source

Site Number: 15302009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

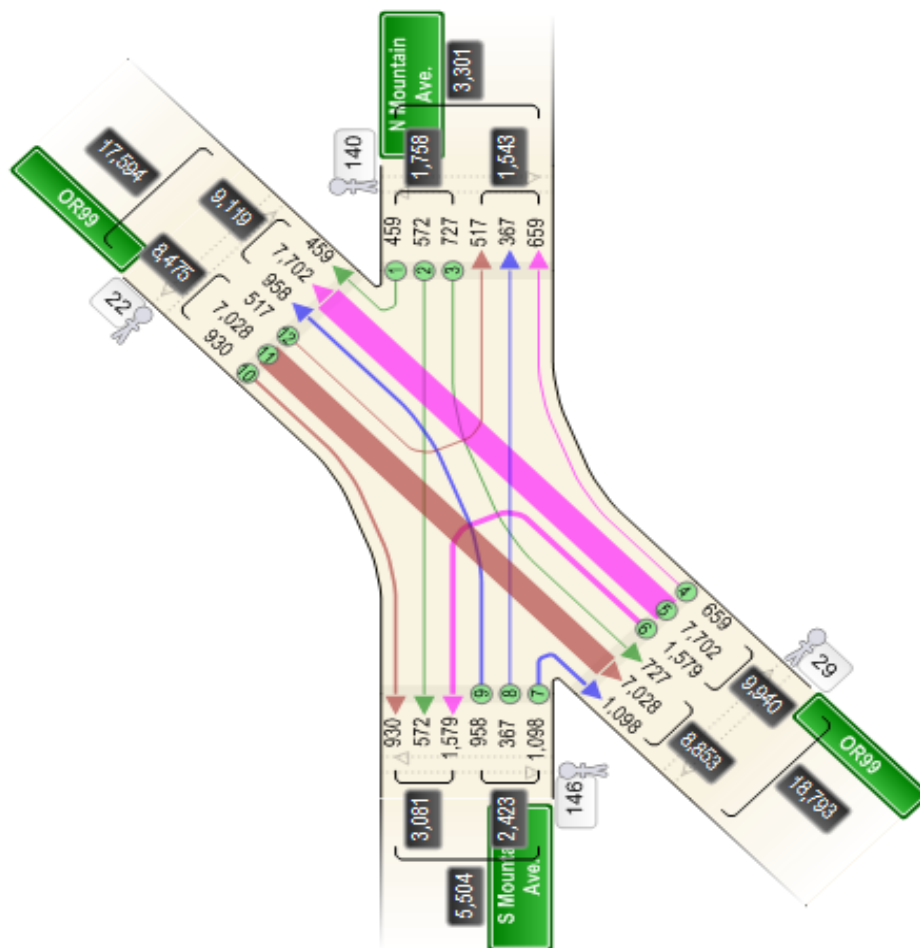
Location Description: Rogue Valley Hwy(OR99) @ Mountain Ave.

81 bicyclists with helmets

\*\* from 7.45 - 9AM volume only glare from headlights and heavy rain cannot see class

County:  
City:

Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 10/5/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

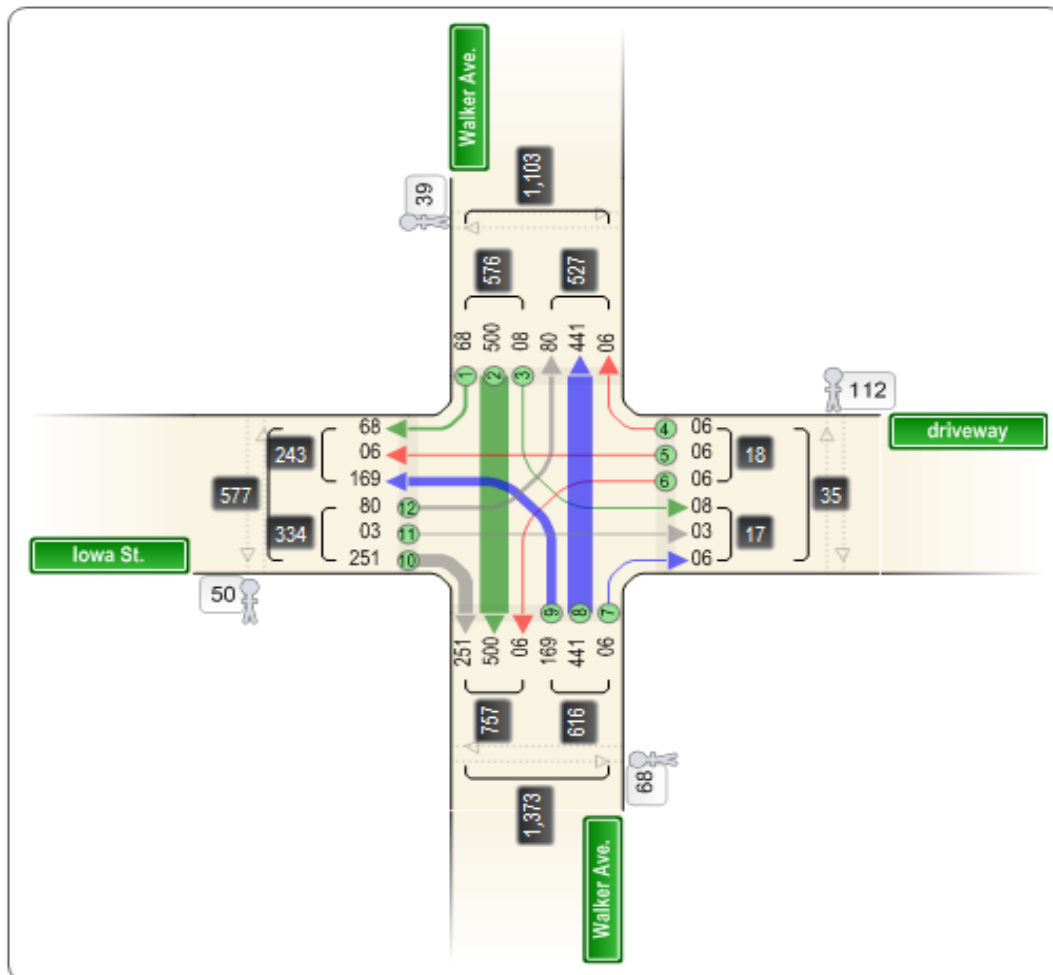
Site Number: 15312009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Walker Ave. @ Iowa St. & driveway

4 hr count 2-6PM  
52 bicyclists with helmets

County: Jackson  
City: Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/21/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

## Source

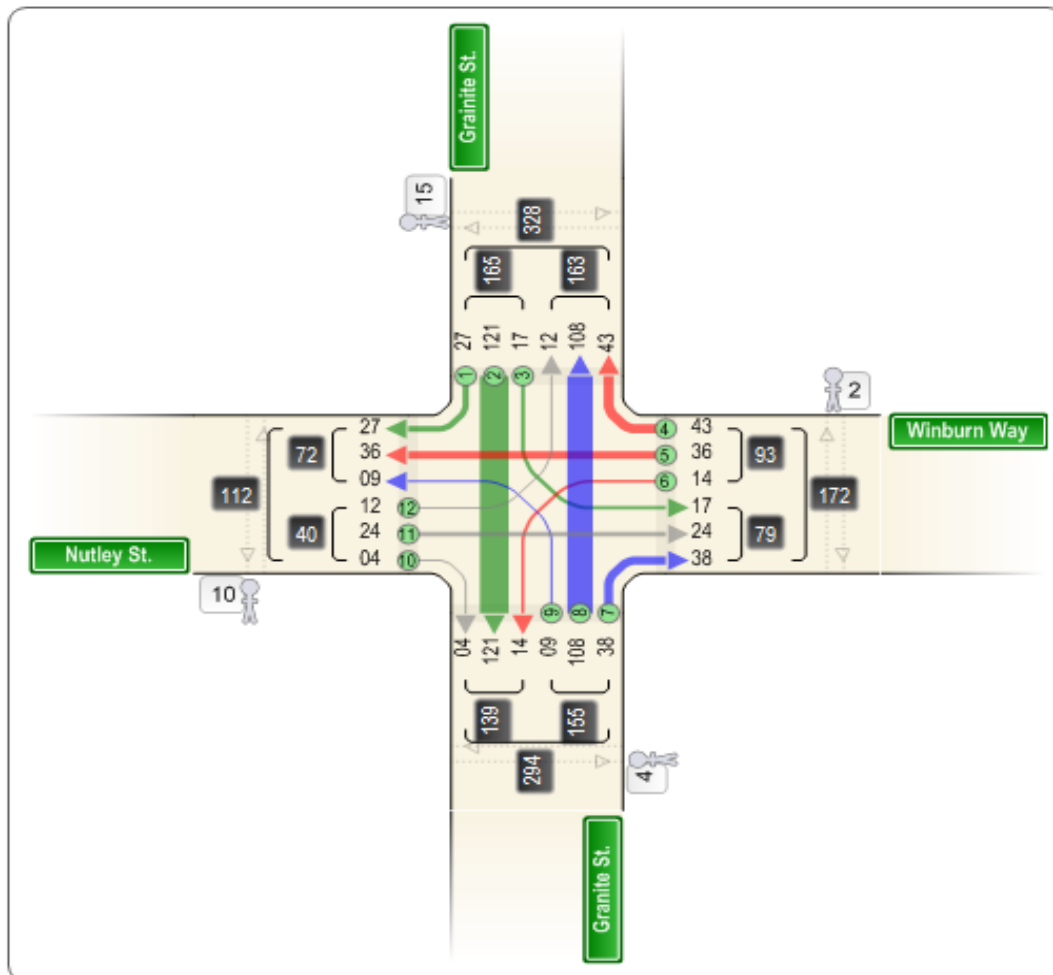
Site Number: 15322009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Granite St. @ Nutley St. & Winburn Way

4 hr count 2- 6PM  
4 bicylists with helmets

County: Jackson  
City: Ashland



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/5/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

### Source

Site Number: 15332009  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

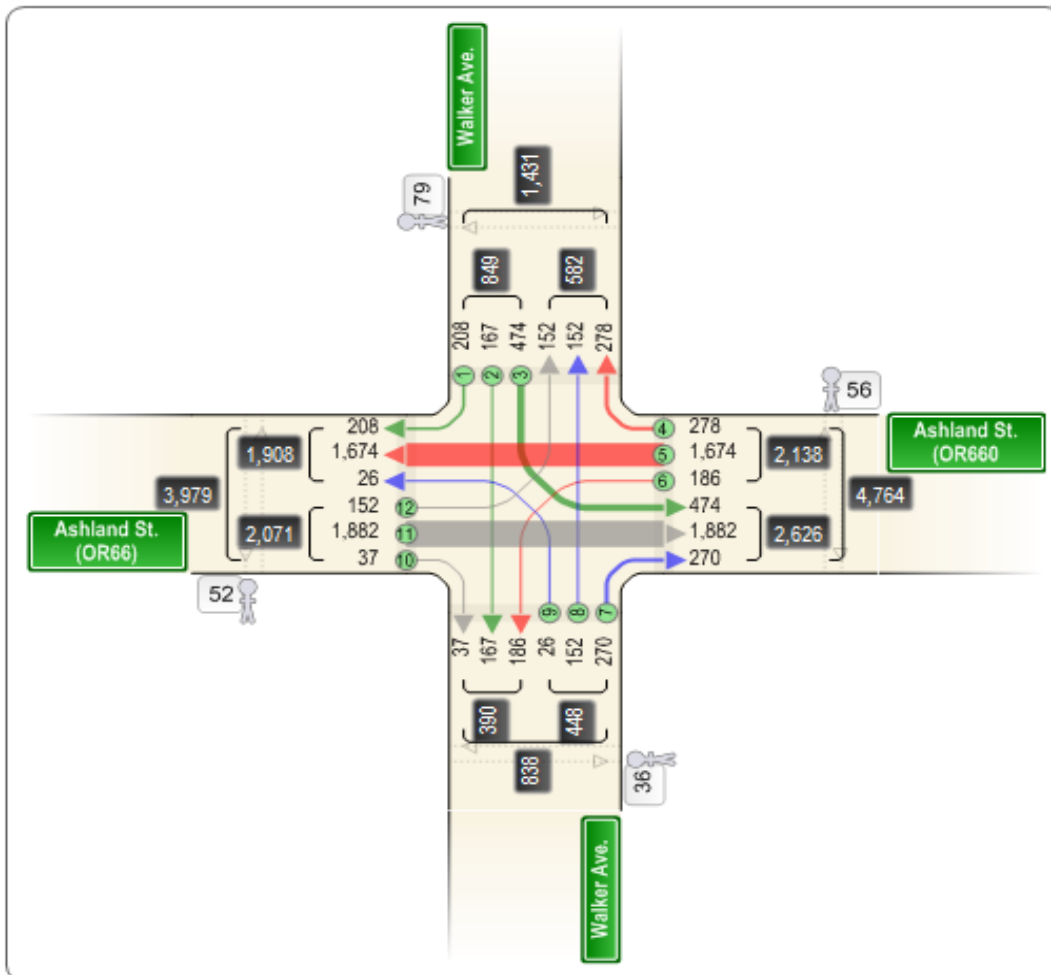
Location Description: Ashland St.(OR66) @ Walker Ave.

4hr count 2-6P

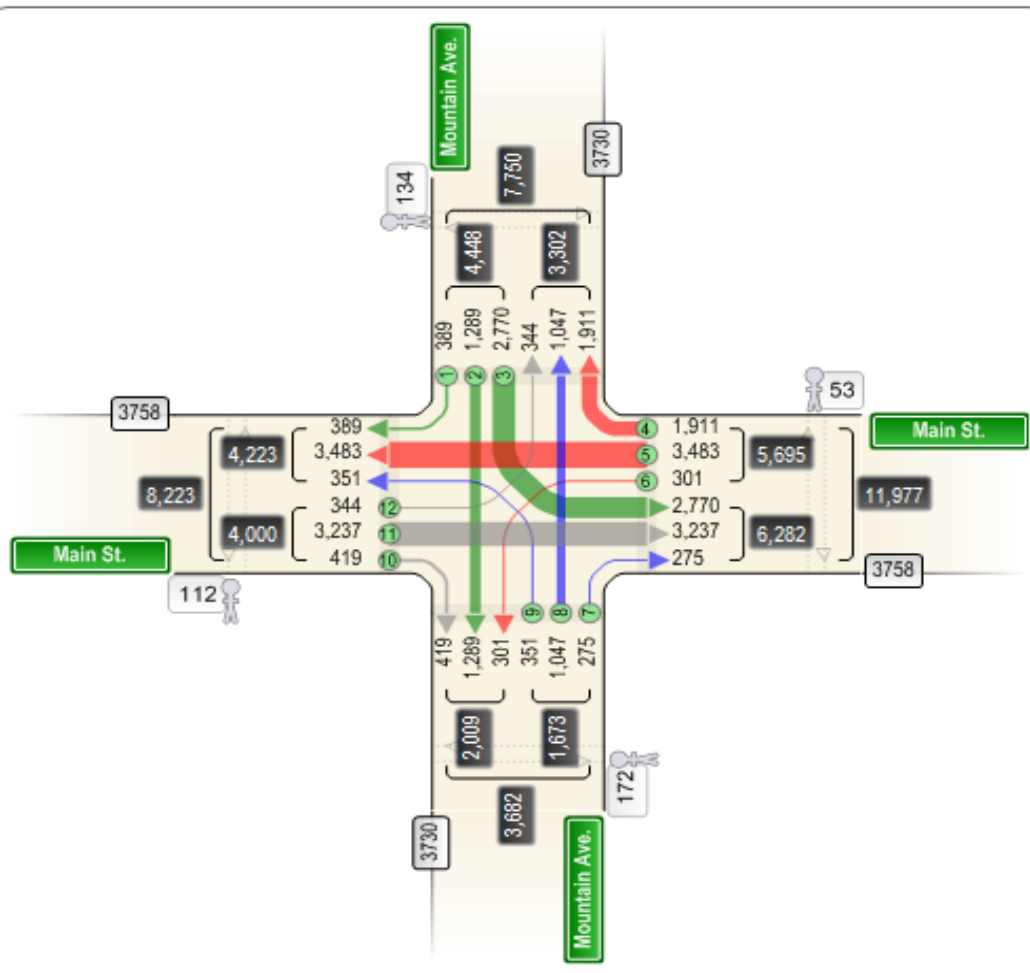
32 bicyclists with helmets

County:  
City:

Jackson  
Ashland



Jackson  
Ashland



# Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

## Time settings

Date: 9/21/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

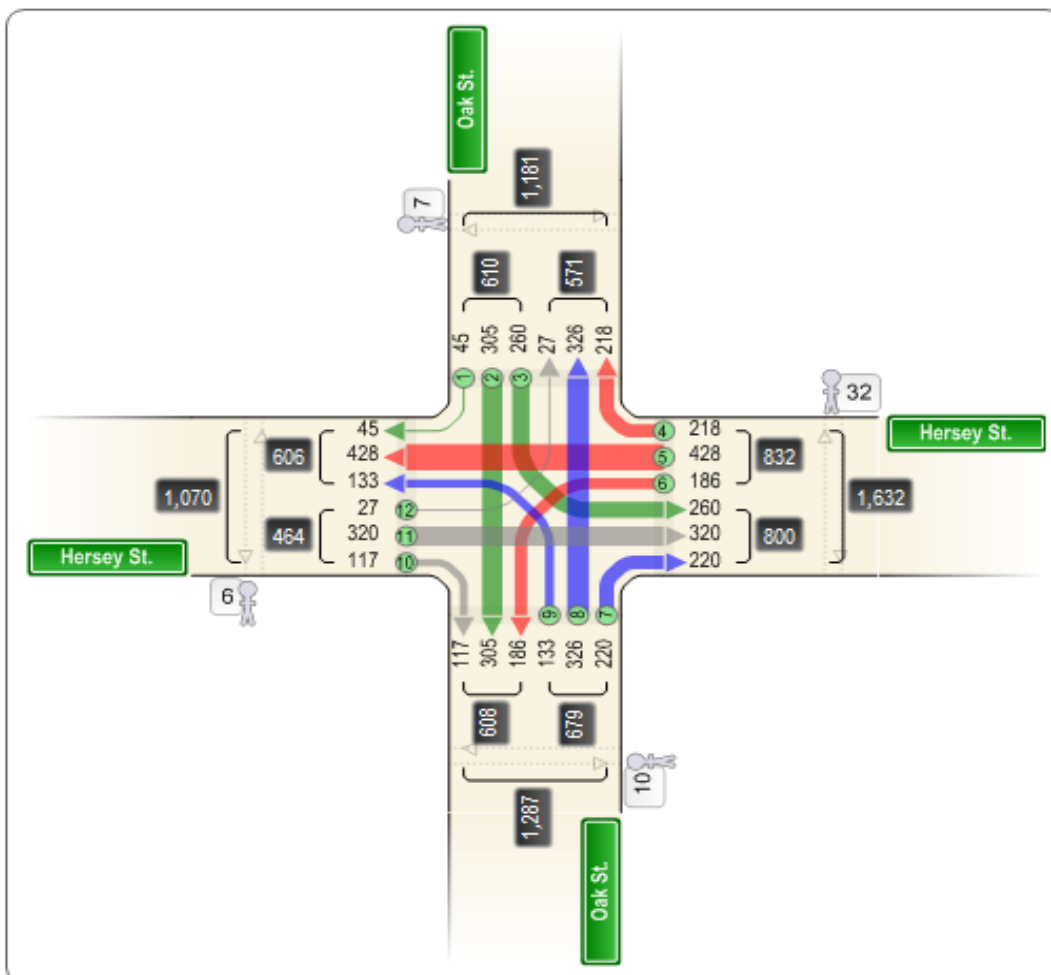
## Source

Site Number: 15352009  
Street Number: 3810  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

## Source Description

Location Description: Oak St. & Hersey St.  
Oak St. # 3810  
Hersey St. # 3761

County: Jackson  
City: Ashland  
44 bicyclists with helmets



## Transportation Development Division Transportation System Monitoring Unit Vehicular Volume

### Time settings

Date: 10/6/2009  
Hours: 2:00 PM-6:00 PM  
Weather: Clear

### Source

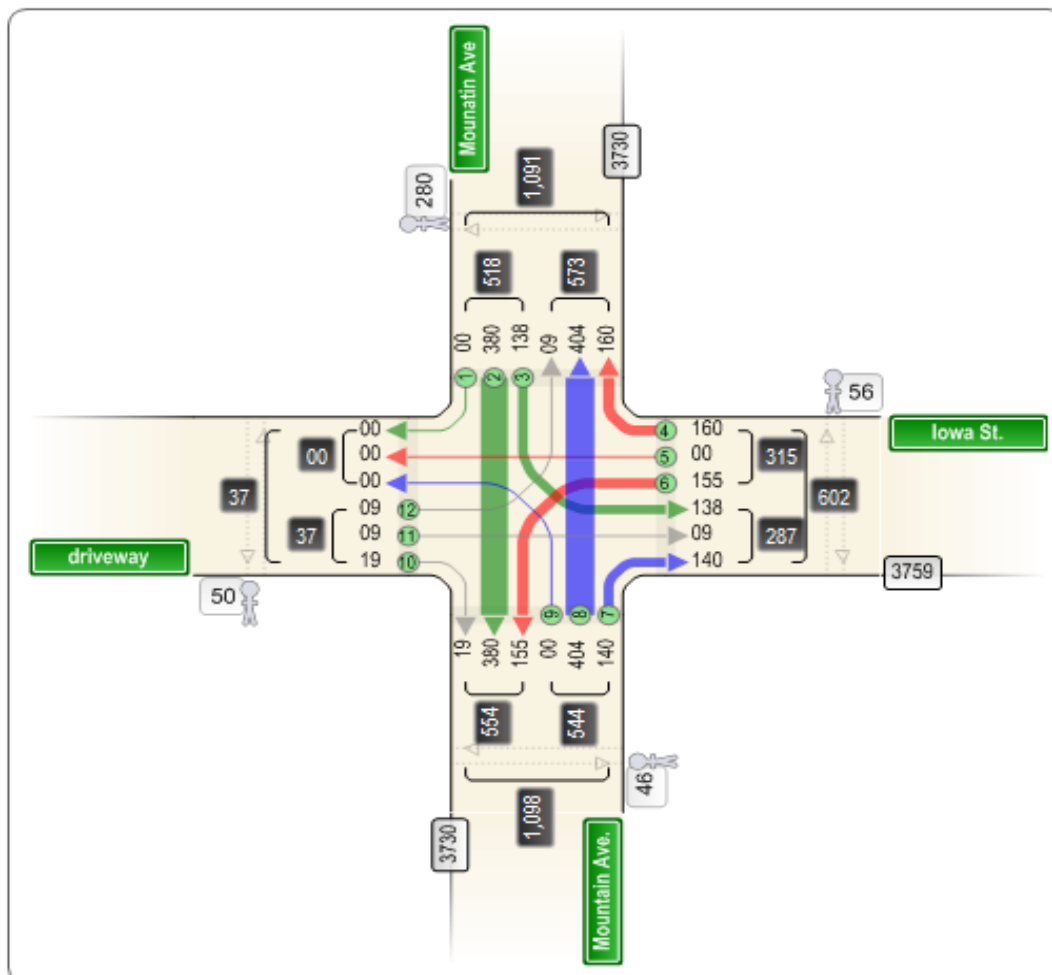
Site Number: 15362009  
Street Number: 3730  
Vehicle Type: Vehicles  
Crossing Flow: Pedestrians

### Source Description

Location Description: Mountain Ave. @ Iowa St. & driveway  
4hr count 2-6PM  
20 bicylists with helmets

Mountain Ave. 3730  
Iowa St. 3739

County: Jackson  
City: Ashland





## **Appendix B – Methodology Memorandum**

*Appendix B* contains the Methodology Memorandum prepared in August 2010 to document the analysis methodology to be used for the Ashland TSP update.

DRAFT



# KITTELSON & ASSOCIATES, INC.

TRANSPORTATION ENGINEERING / PLANNING

610 SW Alder Street, Suite 700, Portland, OR 97205 P 503.228.5230 F 503.273.8169

## MEMORANDUM

**Date:** August 18, 2010 **Project #:** 10633.0

**To:** Jim Olson, City of Ashland, Public Works  
Peter Schuytema, TPAU  
Eric Heesacker, Rouge Valley MPO/COG  
John McDonald, ODO

**From:** Marc Butorac, P.E., PTOE, Susan Wright P.E., Erin Ferguson

**Project:** City of Ashland Transportation System Plan Update

**Subject:** Project Methodology & Key Assumptions

The purpose of this memorandum is to document the methodology and key assumptions to be used in preparation of the existing and future conditions analyses for the City of Ashland Transportation System Plan (TSP) Update. The methodologies included in this memorandum are based on guidance provided in the Oregon Department of Transportation (ODOT) *Transportation System Plan Guidelines* (Reference 1) and the *Analysis Procedures Manual* (APM – Reference 2) as they relate to small urban areas.

## STUDY INTERSECTIONS

Traffic counts were conducted at the study intersections in September and October of 2009 and consist of both 16-hour and 4-hour counts. All 16-hour counts used 15-minute intervals in the 6-9 a.m. and 2-6 p.m. periods. All 4-hour counts used 15-minute intervals in the 2-6 p.m. period. All intersection traffic counts include vehicular turning movements, pedestrian movements (with or without marked crosswalks), bikes, and wheeled pedestrians (wheelchairs, skateboards, etc). Additional pedestrian counts were conducted on OR99 between Palm and Garfield Streets and on OR99 between Morse and Mountain Avenues. Table 1 summarizes the traffic count information obtained for the TSP update.

**Table 1 Traffic Counts Summary**

| Intersection                    | Count Date | Count Type | Intersection                | Count Date | Count Type |
|---------------------------------|------------|------------|-----------------------------|------------|------------|
| <b>ODOT Intersections</b>       |            |            |                             |            |            |
| OR99/<br>South Valley View Road | 10/6/09    | 16-Hour    | OR99/<br>Walker Street      | 10/5/09    | 4-Hour     |
| OR99/<br>Maple Street           | 9/14/09    | 4-Hour     | OR99/<br>Tollman Creek Road | 9/16/09    | 16-Hour    |
| OR99/<br>Hersey Street          | 9/14/09    | 4-Hour     | OR99/<br>Mistletoe Road     | 9/23/09    | 4-Hour     |
| OR99/<br>Helman Street          | 9/23/09    | 4-Hour     | OR66/<br>Walker Street      | 10/5/09    | 4-Hour     |

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|                                       |         |         |                                    |         |         |
|---------------------------------------|---------|---------|------------------------------------|---------|---------|
| OR99 (northbound)/<br>Oak Street      | 9/21/09 | 4-Hour  | OR66/<br>Tollman Creek Road        | 9/16/09 | 16-Hour |
| OR99 (southbound)/<br>Oak Street      | 10/7/09 | 4-Hour  | OR66/<br>Washington Street         | 9/16/09 | 4-Hour  |
| OR99 (northbound)/<br>Main Street     | 9/22/09 | 16-Hour | OR66/<br>I-5 Southbound Ramps      | 9/22/09 | 16-Hour |
| OR99 (southbound)/<br>Main Street     | 9/23/09 | 16-Hour | OR66/<br>I-5 Northbound Ramps      | 9/16/09 | 16-Hour |
| OR99/<br>Mountain Avenue              | 9/23/09 | 16-Hour | OR66/<br>Main Street               | 9/15/09 | 16-Hour |
| OR99/<br>Garfield Street              | 10/7/09 | 4-Hour  | OR66/<br>Dead Indian Memorial      | 9/15/09 | 4-Hour  |
| OR99/<br>OR66                         | 9/22/09 | 16-Hour |                                    |         |         |
| <b>City Intersections</b>             |         |         |                                    |         |         |
| Tollman Creek Road/<br>Mistletoe Road | 9/15/09 | 4-Hour  | Main Street/<br>Walker Avenue      | 10/7/09 | 16-Hour |
| Granite Street/<br>Winburn Way        | 9/21/09 | 4-Hour  | Walker Street/<br>Iowa Street      | 10/5/09 | 4-Hour  |
| Hersey Street/<br>Oak Street          | 9/21/09 | 4-Hour  | Mountain Avenue/<br>Ashland Street | 10/5/09 | 4-Hour  |
| Nevada Street/<br>Oak Street          | 9/14/09 | 4-Hour  | Mountain Avenue/<br>Iowa Street    | 10/6/09 | 4-Hour  |
| Mountain Avenue/<br>Main Street       | 10/6/09 | 16-Hour | Mountain Avenue/<br>Hersey Street  | 10/6/09 | 4-Hour  |

Additional traffic volumes for the I-5 mainline were obtained from the 2009 ODOT *Transportation Volume Tables* (Reference 3), which provide the average annual daily traffic at select locations on the I-5 corridor.

### **PM Peak Hour Development**

Traffic volumes were reviewed along OR66, OR99 and at for the entire combined study area to determine a one-hour peak period for the TSP intersection analysis. A consistent weekday p.m. peak hour was found to occur along OR66 between 3:45 and 4:45 p.m. and along OR99 between 3:15 and 4:15 p.m. The entire study area combined was also found to have a system peak hour occurs between 3:15 and 4:15 p.m. However, because the travel demand model that will be used to generate the future conditions analysis will produce traffic volumes representative of a 1-hour weekday p.m. peak that is assumed to occur between 4:00 and 6:00 p.m., a secondary system peak hour was identified for the City of Ashland that occurs within this time frame. As shown in Table 2, a secondary system peak hour occurs from 4:15 to 5:15 p.m. that is within 1.5% of the afternoon peak hour traffic volumes system wide. Traffic volumes from the 4:15 to 5:15 p.m. hour will be used for the existing conditions intersection analysis and used to post-process the future traffic volume projections from the travel demand model.

**Table 2 Peak Hour Summary**

| OR 66       |                  |                 | OR99          |                  |                 | All Study Intersections |                  |                 |
|-------------|------------------|-----------------|---------------|------------------|-----------------|-------------------------|------------------|-----------------|
| 1-Hour TEV  | Time             | % Dif from Peak | 1-Hour TEV    | Time             | % Dif from Peak | 1-Hour TEV              | Time             | % Dif from Peak |
| 9333        | 3:00-4:00        | -4.9%           | 14,820        | 3:00-4:00        | -1.7%           | 32,336                  | 3:00-4:00        | -1.1%           |
| 9462        | 3:15-4:15        | -3.6%           | <b>15,070</b> | <b>3:15-4:15</b> | <b>0.0 %</b>    | <b>32,701</b>           | <b>3:15-4:15</b> | <b>0.0 %</b>    |
| 9604        | 3:30-4:30        | -2.2%           | 14,909        | 3:30-4:30        | -1.1%           | 32,666                  | 3:30-4:30        | -0.1%           |
| <b>9819</b> | <b>3:45-4:45</b> | <b>0.0 %</b>    | 14,691        | 3:45-4:45        | -2.5%           | 32,577                  | 3:45-4:45        | -0.4%           |
| 9784        | 4:00-5:00        | -0.4%           | 14,311        | 4:00-5:00        | -5.0%           | 31,961                  | 4:00-5:00        | -2.3%           |
| <b>9812</b> | <b>4:15-5:15</b> | <b>-0.1 %</b>   | <b>14,408</b> | <b>4:15-5:15</b> | <b>-4.4 %</b>   | <b>32,203</b>           | <b>4:15-5:15</b> | <b>-1.5 %</b>   |
| 9767        | 4:30-5:30        | -0.5%           | 14,239        | 4:30-5:30        | -5.5%           | 32,008                  | 4:30-5:30        | -2.1%           |
| 9448        | 4:45-5:45        | -3.8%           | 13,953        | 4:45-5:45        | -7.4%           | 31,317                  | 4:45-5:45        | -4.2%           |
| 9164        | 5:00-6:00        | -6.7%           | 13,449        | 5:00-6:00        | -10.8%          | 30,314                  | 5:00-6:00        | -7.3%           |

## Intersection Operational Standards

### ODOT Facilities

ODOT uses volume-to-capacity (V/C) ratio standards to assess intersections operations. Table 6 of the *Oregon Highway Plan* (OHP - Reference 4) and table 10-1 of the *Oregon Highway Design Manual* (HDM – Reference 5) provide maximum volume-to-capacity ratios for all signalized and unsignalized intersections outside the Metro area. The OHP ratios are used to evaluate existing and future no-build conditions, while the HDM ratios are used in the creation of future TSP alternatives which involve projects along state highways. The ODOT controlled intersections within the study area are located along OR99 and OR66, which are both designated as District Highways within a Metropolitan Planning Organization (MPO). However, OR99 is also designated as a Special Transportation Area (STA) between Maple Street and Oak Street and as an Urban Business Area (UBA) between Oak Street and Main Street.

Table 3 summarized the intersection performance standards for OR99 and OR66 per the OHP. *Attachment "A" includes the Highway Segment Designation Map for the City of Ashland.*

**Table 3 Summary of ODOT Intersection Performance Standards**

| Intersection                 | Traffic Control | OHP Standard | HDM Standard | Intersection             | Traffic Control | OHP Standard | HDM Standard |
|------------------------------|-----------------|--------------|--------------|--------------------------|-----------------|--------------|--------------|
| OR99/ South Valley View Road | Signal          | V/C=0.90     | V/C=0.85     | OR99/ Mistletoe Road     | TWSC            | V/C=0.90     | V/C=0.85     |
| OR99/ Maple Street           | Signal          | V/C=0.95     | V/C=0.95     | OR66/ Tollman Creek Road | Signal          | V/C=0.90     | V/C=0.85     |
| OR99/ Hersey Street          | TWSC            | V/C=0.95     | V/C=0.95     | OR66/ Washington Street  | TWSC            | V/C=0.90     | V/C=0.85     |
| OR99/ Helman Street          | Signal          | V/C=0.95     | V/C=0.95     | OR66/ I-5 SB Ramps       | TWSC            | V/C=0.90     | V/C=0.85     |

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|                             |      |          |          |                                |      |          |          |
|-----------------------------|------|----------|----------|--------------------------------|------|----------|----------|
| OR99 NB/<br>Oak Street      | TWSC | V/C=0.95 | V/C=0.95 | OR66/<br>I-5 NB Ramps          | TWSC | V/C=0.90 | V/C=0.85 |
| OR99 SB /<br>Oak Street     | TWSC | V/C=0.95 | V/C=0.95 | OR66/Oak Knoll/<br>Main Street | TWSC | V/C=0.90 | V/C=0.85 |
| OR99/ Tollman<br>Creek Road | TWSC | V/C=0.90 | V/C=0.85 | OR66/ Dead<br>Indian Memorial  | TWSC | V/C=0.90 | V/C=0.85 |

<sup>1</sup>TWSC: Two-way stop-controlled (unsignalized)

### City of Ashland Facilities

The City of Ashland has not adopted level-of-service (LOS) or volume-to-capacity (V/C) ratio standards for signalized or unsignalized intersections but will likely establish standards as part of the TSP Update. Prior to developing intersection operation standards, City of Ashland intersections that do not meet the following operational thresholds will be identified:

- LOS "D" at signalized and all-way stop controlled intersections if the V/C ratio is not higher than 1.0 for the sum of critical movements.
- LOS "E" for the poorest operating approach at two-way stop intersections. Approaches operating at a LOS "F" where a traffic signal is not warranted will also be identified.

A summary of the operational thresholds that will be used to identify study intersections under city jurisdiction with operational issues is included in Table 4.

**Table 4 Operational Thresholds for City Intersections**

| Intersection                          | Traffic Control <sup>1</sup> | Threshold for Identification | Intersection                       | Traffic Control <sup>1</sup> | Threshold for Identification |
|---------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------|
| Tollman Creek Road/<br>Mistletoe Road | TWSC                         | LOS "E"                      | Main Street/<br>Walker Avenue      | TWSC                         | LOS "E"                      |
| Nutley Street/<br>Granite Street      | TWSC                         | LOS "E"                      | Walker Street/<br>Iowa Street      | AWSC                         | LOS "D"                      |
| Hersey Street/<br>Oak Street          | AWSC                         | LOS "D"                      | Mountain Avenue/<br>Ashland Street | TWSC                         | LOS "E"                      |
| Nevada Street/<br>Oak Street          | TWSC                         | LOS "E"                      | Mountain Avenue/<br>Iowa Street    | TWSC                         | LOS "E"                      |
| Mountain Avenue/<br>Main Street       | Signal                       | LOS "D"                      | Mountain Avenue/<br>Hersey Street  | AWSC                         | LOS "D"                      |
| OR99 NB/<br>Main Street               | Signal                       | LOS "D"                      | OR99/<br>OR66                      | Signal                       | LOS "D"                      |
| OR99 SB/<br>Main Street               | N/A                          | LOS "E"                      | OR99/<br>Walker Street             | Signal                       | LOS "D"                      |
| OR99/<br>Mountain Avenue              | Signal                       | LOS "D"                      | OR66/<br>Walker Street             | Signal                       | LOS "D"                      |
| OR99/<br>Garfield Street              | TWSC                         | LOS "E"                      |                                    |                              |                              |

<sup>1</sup>TWSC: Two-way stop-controlled (unsignalized); AWSC: All-way stop-controlled (unsignalized)

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## **Seasonal Adjustment Factor**

30<sup>th</sup> Hour Volumes (30 HV) for Ashland were calculated based on the traffic counts collected in September and October of 2009 and the application a seasonal adjustment factor. The APM identifies three methods for identifying seasonal adjustment factors for highway traffic volumes. All three methods utilize information provided by Automatic Traffic Recorders (ATR) located in select locations throughout the State Highway System that collect traffic data 24-hours a day/365 days a year. Each method was evaluated to determine the most appropriate method for the study area. Based on the evaluations and direction provided by TPAU the ATR Characteristics Table Method was used to develop 30 HV volumes for OR 99 and the Seasonal Trend Table method, utilizing an average of summer and commuter trends, was used to develop 30 HV for all other study intersections. The results of the evaluations are summarized below.

### **On-Site ATR Method**

The On-Site ATR Method requires that the ATR be located within or near the project area. If the ATR is located outside the project area, there should be no major intersections between the ATR and the project area and the Average Annual Daily Traffic (AADT) collected by the ATR must be within 10 percent of the AADT near the project area. *Information on AADT for highway segments throughout Oregon can be found in ODOT's Transportation Volume Tables.*

There are currently no ATRs located within the project area that meet all of the requirements for the On-Site ATR Method. The closest ATR (ATR #15-014) is located along OR 99 approximately one-mile north of the OR99/Valley View Road intersection in Talent, Oregon. The OR99/Valley View Road intersection carries a substantial volume of traffic to/from I-5, so much so that the AADT at the ATR is approximately half of the AADT south of the intersection and into the City.

### **ATR Characteristic Table Method**

The Characteristic Table Method requires that the ATR be located on a facility that shares similar characteristics with the facility to be adjusted, such as seasonal traffic trends, area type, and number of lanes. The Characteristic Table Method also requires that the AADT collected by the ATR must be within 10 percent of the AADT near the project area.

The ATR selected for this analysis (ATR #24-005) is located along the North Santiam Highway #162 (OR 22), 1.08 miles east of the Shaw Highway Interchange and east of Salem. OR22 is both a State Highway and a commuter facility located on an urban fringe with a weekday traffic trend, similar to OR99. The ATR was installed in January 2001 and has traffic count data for the last eight years. Based on historical traffic data provided by the ATR, the Peak Month generally occurs in August. Table 5 summarizes the average weekday traffic percent of average daily traffic (ADT) for the past five years.

**Table 5 Seasonal Adjustment Factor (ATR #24-005)**

| Year                    | 2005 | 2006 | 2007 | 2008 | 2009 |
|-------------------------|------|------|------|------|------|
| Peak Month (August)     | 116% | 114% | 116% | 117% | 116% |
| Count Month (September) | 107% | 107% | 109% | 108% | 106% |
| Count Month (October)   | 102% | 104% | 102% | 104% | 101% |

Note: Shaded values dropped from average calculation per ODOT methodology.

Based on the data in Table 7, average monthly factors were determined as follows:

- Peak month average (August):  $(116\% + 116\% + 116\%) / 3 = 116.00\%$
- Count month average (September):  $(107\% + 107\% + 108\%) / 3 = 107.33\%$
- Count month average (October):  $(102\% + 102\% + 104\%) / 3 = 102.67\%$

Therefore, the traffic counts conducted in September 2009 at the OR 99 study intersections were adjusted by a factor of 1.08 (116.00/107.33), while the traffic counts conducted in October 2009 were adjusted by a factor of 1.13 (116.00/102.67).

### Seasonal Trend Method

The Seasonal Trend Method uses average values from the ODOT ATR Characteristic Table for each seasonal traffic trend. For Ashland, an average of the Summer and Commuter seasonal traffic trend values were used to derive 30 HV volumes. Table 6 summarizes the average values for both seasonal traffic trends during the count months (September and October) and the peak period as provided in the ODOT Seasonal Trend Table.

**Table 6 Seasonal Trend Table**

| Trend                         | 1-Sept | 15-Sept | 1-Oct | 15-Oct | Sept Average | Oct Average | ODOT Peak Period Seasonal Factor |
|-------------------------------|--------|---------|-------|--------|--------------|-------------|----------------------------------|
| Summer                        | 0.88   | 0.91    | 0.95  | 0.99   | 0.89         | 0.97        | 0.83                             |
| Commuter                      | 0.91   | .093    | 0.93  | 0.94   | 0.92         | 0.93        | 0.90                             |
| <b>Average Seasonal Trend</b> |        |         |       |        | <b>0.91</b>  | <b>0.95</b> | <b>0.87</b>                      |

Based on the data in Table 6, the traffic counts conducted in September 2009 at all other study intersections were adjusted by a factor of 1.05 (0.91/0.87), while the traffic counts conducted in October 2009 were adjusted by a factor of 1.09 (0.95/0.87).

### ANALYSIS MODEL PARAMETERS

The bullets below identify the specific sources of data and methodologies we propose to utilize. Analyses of all state facilities will be conducted according to the APM, unless otherwise agreed upon by both ODOT's Transportation Planning and Analysis Unit (TPAU) and the consultant team.

1. *Intersection/Roadway Geometry* (lane numbers and arrangements, cross-section elements, signal phasing, etc.) will be verified for consistency with previous work efforts, reviewed through aerial photography, and confirmed through a site visit. Available as-built data may also be used to verify existing roadway geometry. The analysis models will be built on scaled roadway line work from GIS or aerial photography.
2. *Operational Data* (such as posted speeds, intersection control, parking, transit stops, rail crossings, right-turn on red, etc.) will be verified. Data will be reviewed during a site visit and supplemented by available GIS data, traffic count DVDs, aerials, photos, and the ODOT Video Log.
3. *Peak Hour Factors* (PHF) will be calculated for each intersection and applied to the existing conditions analyses. PHFs of 0.95 will be used for the year 2034 analysis for high-order facilities (arterials), with 0.90 applied to medium-order facilities (collectors) and 0.85 applied to local roads. If the existing PHF is greater than these default future values, the existing PHF will be applied.
4. *Traffic Volume* development is described above and resulted in the September and October counts being adjusted by 13 and 12 percent.
5. *Signal Timing Data* will be requested from the City of Ashland and ODOT for use in the existing conditions analysis. Signal parameters such as Flash Don't Walk, Walk, and Minimum Times will be retained in the forecast analysis with the signal splits optimized to better serve the future traffic volume patterns. Optimized signal cycle lengths may range between 60 and 120 seconds.
6. *Traffic Operations*
  - a. The 2000 Highway Capacity Manual (HCM) methodology shall be used for intersection analyses of the design hour conditions. The existing and future no-build analysis will utilize Synchro software using HCM reports for signalized and stop-controlled intersections. Roundabouts will be analyzed using ODOT's methodology for roundabout operations and will be compared to the results yielded from the findings from the NCHRP 3-65 report. Level-of-service, delay, and volume-to-capacity ratios will be reported at each of the study intersections regardless of roadway jurisdiction.
  - b. Queuing analysis methodology will be based on Synchro 95<sup>th</sup> percentile queue lengths. Microsimulation is not proposed as part of the long-range planning effort.

### **Traffic Analysis Software and Input Assumptions**

Synchro software, Version 7 will be used for the intersection analysis. The reported results will be the level of service, intersection delay, and v/c ratios generated by the HCM report. Analysis assumptions are listed in Table 10.



**Table 7      Synchro Operations Parameters/Assumptions**

| <b>Arterial Intersection Parameters</b>        | <b>Existing Conditions</b>                          |
|------------------------------------------------|-----------------------------------------------------|
| Peak Hour Factor                               | From traffic counts                                 |
| Conflicting Bikes and Pedestrian per Hour      | From traffic counts, as available <sup>1</sup>      |
| Area Type                                      | Other                                               |
| Ideal Saturation Flow Rate (for all movements) | 1,750 passenger cars per hour green per lane        |
| Lane Width                                     | 12 feet unless field observations suggest otherwise |
| Percent Heavy Vehicles                         | From traffic counts by movement, as available       |
| Percent Grade                                  | Estimated based on field observations               |
| Parking Maneuvers per Hour                     | Estimated based on field observations               |
| Bus Blockages                                  | None                                                |
| Intersection signal phasing and coordination   | From ODOT/City                                      |
| Intersection signal timing optimization limits | Maximum cycle length = 120 seconds                  |
| Minimum Green time                             | From timing plans                                   |
| Yellow and all-red time                        | From timing plans                                   |
| 95th percentile vehicle queues                 | Synchro HCM summary output                          |

### **Crash Analyses**

The most recent ten years of crash data will be reviewed at the study intersections, as available and where reflective of the current configuration. The data will be analyzed for type, severity and location to identify potential crash patterns. In addition, ODOT's top 10% ODOT Safety Priority System sites will be reviewed, as appropriate.

### **FORECAST YEAR VOLUME DEVELOPMENT**

The Rogue Valley Metropolitan Planning Organizations traffic model RVMPO2 identifies forecast conditions throughout the MPO boundary that comprise the Cities of Ashland and Medford and will be used for the Ashland TSP Update. RVMPO staff will also generate base year EMME/2 volumes for the study area to be used as a basis of comparison between existing and forecast conditions. As part of this process documentation of the planned system improvements, citywide mode splits, and land use assumptions will be obtained by Transportation Analysis Zone (TAZ). This documentation will be reviewed and included as a technical appendix to the analysis work.

### **NCHRP 255 Methodology**

Forecast intersection turning movement volumes will be on the procedures outlined in National Cooperative Highway Research Program (NCHRP) Report 255. This procedure accounts for a combination of the 30<sup>th</sup> highest hour volumes measured at the intersections, and base and future

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<sup>1</sup> Historical counts may not include pedestrian and bicycle data.

year model forecasts from the EMME/2 model. The general methodology to develop the volumes is outlined below.

- The Year 2010 30<sup>th</sup> highest hour design volumes are used to represent the base volumes. These volumes will directly correlate to base year model volumes.
- The percentage change in the model's base and horizon year traffic volume for each movement is calculated and applied to the 2010 30<sup>th</sup> highest hour design volumes. Each table reports the existing model and future model volumes, in addition to the percentage change as applied.
- The numerical change (delta) in the model's traffic volumes is also calculated and applied to the 2010 30<sup>th</sup> highest hour design volumes.
- The results obtained from the percentage and numerical change calculations are averaged to obtain the design hour year 2034 analysis traffic volumes.

Post processing of the traffic volumes will occur on a link basis first. Once the volumes are adjusted, the link volumes will be converted into turn movements at the intersections. This process will be applied to all of the study intersections that exist in the base year model, as available. The reasonableness of the averaging method will be reviewed at each location, especially in instances in which the numerical and percentage change yield significantly different results (which can often occur on very low volume movements in the base model that increase significantly in 2034) or when the existing model differs significantly from the existing turning movement counts. On these occasions, the available data and travel forecasts will be reviewed to determine the appropriate year 2034 analysis volumes. The resulting unbalanced year 2034 volumes will be rounded and balanced, as appropriate, for use in the forecast conditions assessment.

The intersection performance of the 30 study area intersections will be evaluated for both year 2034 No Build and Build conditions. Additional model runs and volume derivations may be required based on the recommended Build conditions.

## **NEXT STEPS**

We would like to request concurrence from TPAU, ODOT Region 4, RVMPO, and City staff on the methodology and key assumptions outlined in this memorandum prior to the preparation of the existing and future conditions analyses.

We trust this memorandum provides adequate documentation of the existing and future conditions methodology. If you have any questions or suggestions, please call us at (503) 228-5230.

## REFERENCES

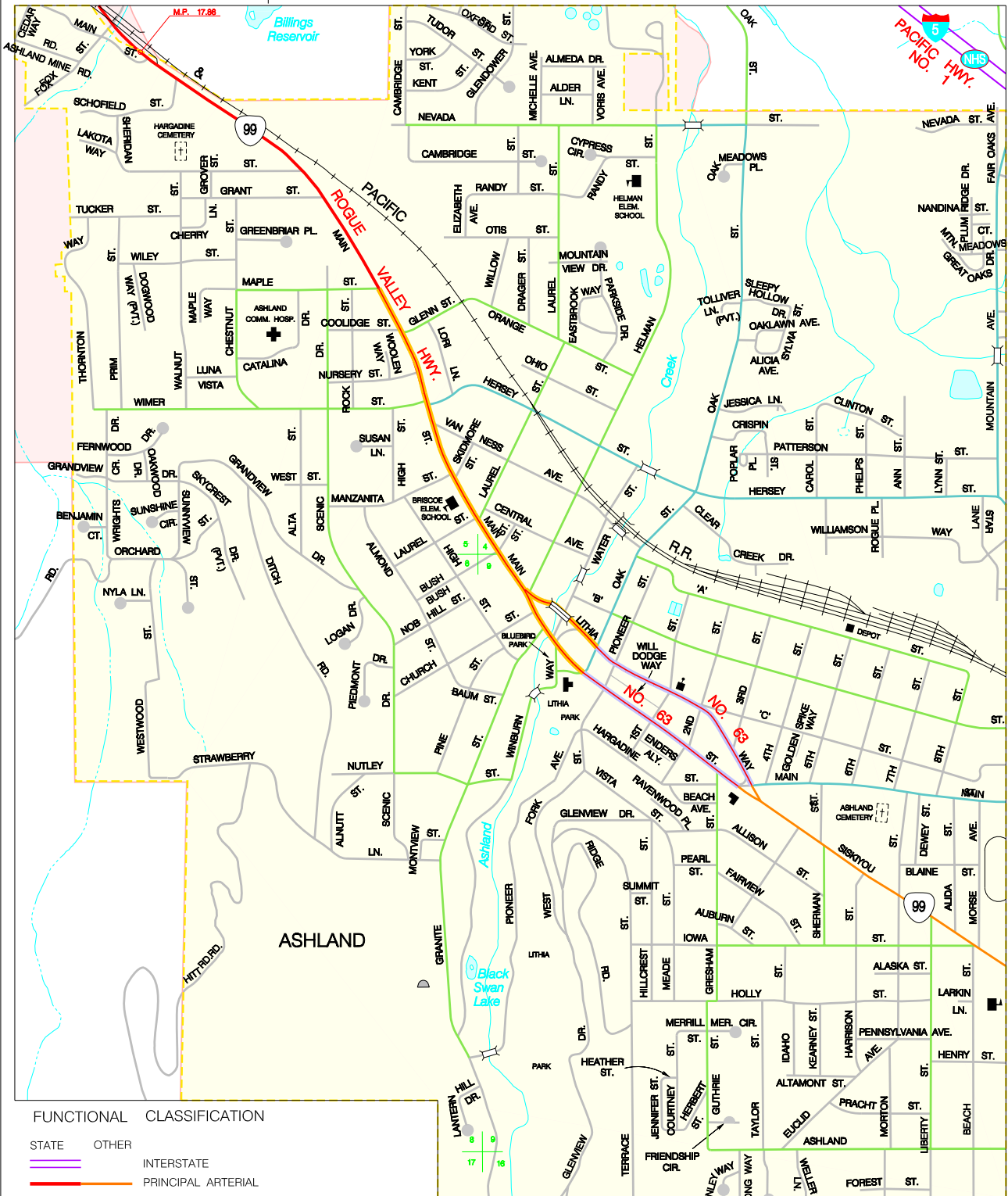
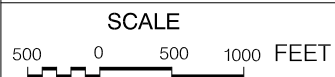
1. Oregon Department of Transportation. *Transportation System Plan Guidelines*, 2008.
2. Oregon Department of Transportation. *Analysis Procedures Manual*, 2006.
3. Oregon Department of Transportation. *Transportation Volume Tables*, 2009.
4. Oregon Department of Transportation. *Oregon Highway Plan*, 1999
5. Oregon Department of Transportation. *Highway Design Manual*, 2003.

## ATTACHMENTS

- A. Highway Segment Designation Map

# HWY. SEGMENT DESIGNATION ASHLAND, OREGON

Adopted January 20, 2005



## FUNCTIONAL CLASSIFICATION

STATE OTHER

- INTERSTATE
- PRINCIPAL ARTERIAL
- MINOR ARTERIAL
- URBAN COLLECTOR / RURAL MAJOR COLLECTOR
- MINOR COLLECTOR
- LOCAL ROAD

STA  
UBA

PREPARED BY:  
OREGON DEPARTMENT OF TRANSPORTATION  
TDD - GIS UNIT

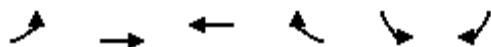
## **Appendix C – Traffic Operations Analysis Worksheets**

*Appendix C* contains the existing conditions traffic operations analysis worksheets and output from the Synchro study intersections analyses.

DRAFT

Existing Traffic Conditions  
1: OR-99 & South Valley View Rd

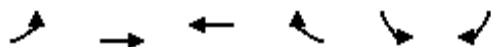
Weekday PM Peak Hour  
10/5/2010



| Lane Group                 | EBL    | EBT    | WBT    | WBR    | SBL    | SBR   |
|----------------------------|--------|--------|--------|--------|--------|-------|
| Lane Configurations        |        |        |        |        |        |       |
| Volume (vph)               | 60     | 357    | 584    | 539    | 447    | 62    |
| Ideal Flow (vphpl)         | 1750   | 1750   | 1750   | 1750   | 1750   | 1750  |
| Storage Length (ft)        | 150    |        |        | 100    | 0      | 0     |
| Storage Lanes              | 1      |        |        | 1      | 1      | 0     |
| Taper Length (ft)          | 25     |        |        | 25     | 25     | 25    |
| Lane Util. Factor          | 1.00   | 0.95   | 0.95   | 1.00   | 1.00   | 1.00  |
| Ped Bike Factor            |        |        |        | 0.97   |        |       |
| Frt                        |        |        |        | 0.850  | 0.984  |       |
| Flt Protected              | 0.950  |        |        |        | 0.958  |       |
| Satd. Flow (prot)          | 1409   | 3023   | 3167   | 1390   | 1608   | 0     |
| Flt Permitted              | 0.950  |        |        |        | 0.958  |       |
| Satd. Flow (perm)          | 1409   | 3023   | 3167   | 1347   | 1608   | 0     |
| Right Turn on Red          |        |        |        | Yes    |        | Yes   |
| Satd. Flow (RTOR)          |        |        |        | 405    | 6      |       |
| Link Speed (mph)           |        | 55     | 45     |        | 35     |       |
| Link Distance (ft)         |        | 1328   | 1103   |        | 739    |       |
| Travel Time (s)            |        | 16.5   | 16.7   |        | 14.4   |       |
| Confl. Peds. (#/hr)        |        |        |        | 5      |        |       |
| Peak Hour Factor           | 0.87   | 0.87   | 0.87   | 0.87   | 0.87   | 0.87  |
| Heavy Vehicles (%)         | 18%    | 10%    | 5%     | 7%     | 1%     | 14%   |
| Adj. Flow (vph)            | 69     | 410    | 671    | 620    | 514    | 71    |
| Shared Lane Traffic (%)    |        |        |        |        |        |       |
| Lane Group Flow (vph)      | 69     | 410    | 671    | 620    | 585    | 0     |
| Enter Blocked Intersection | No     | No     | No     | No     | No     | No    |
| Lane Alignment             | Left   | Left   | Left   | Right  | Left   | Right |
| Median Width(ft)           |        | 12     | 12     |        | 12     |       |
| Link Offset(ft)            |        | 0      | 0      |        | 0      |       |
| Crosswalk Width(ft)        |        | 16     | 16     |        | 16     |       |
| Two way Left Turn Lane     |        |        |        |        |        |       |
| Headway Factor             | 1.11   | 1.11   | 1.11   | 1.11   | 1.11   | 1.11  |
| Turning Speed (mph)        | 15     |        |        | 15     | 15     | 15    |
| Number of Detectors        | 2      | 2      | 2      | 1      | 2      |       |
| Detector Template          | Left   |        |        | Right  | Left   |       |
| Leading Detector (ft)      | 78     | 453    | 323    | 143    | 78     |       |
| Trailing Detector (ft)     | 72     | 222    | 157    | 137    | 72     |       |
| Detector 1 Position(ft)    | 2      | 222    | 157    | 137    | 2      |       |
| Detector 1 Size(ft)        | 6      | 6      | 6      | 6      | 6      |       |
| Detector 1 Type            | Call   | Extend | Extend | Extend | Call   |       |
| Detector 1 Channel         |        |        |        |        |        |       |
| Detector 1 Extend (s)      | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |       |
| Detector 1 Queue (s)       | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |       |
| Detector 1 Delay (s)       | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |       |
| Detector 2 Position(ft)    | 72     | 447    | 317    |        | 72     |       |
| Detector 2 Size(ft)        | 6      | 6      | 6      |        | 6      |       |
| Detector 2 Type            | Extend | Extend | Extend |        | Extend |       |
| Detector 2 Channel         |        |        |        |        |        |       |
| Detector 2 Extend (s)      | 0.0    | 0.0    | 0.0    |        | 0.0    |       |
| Turn Type                  | Prot   |        |        | Perm   |        |       |

Existing Traffic Conditions  
1: OR-99 & South Valley View Rd

Weekday PM Peak Hour  
10/5/2010



| Lane Group              | EBL   | EBT   | WBT   | WBR   | SBL   | SBR  |
|-------------------------|-------|-------|-------|-------|-------|------|
| Protected Phases        | 1     | 6     | 2     |       | 8     |      |
| Permitted Phases        |       |       |       | 2     |       |      |
| Detector Phase          | 1     | 6     | 2     | 2     | 8     |      |
| Switch Phase            |       |       |       |       |       |      |
| Minimum Initial (s)     | 3.0   | 10.0  | 10.0  | 10.0  | 5.0   |      |
| Minimum Split (s)       | 7.0   | 15.0  | 33.0  | 33.0  | 32.0  |      |
| Total Split (s)         | 29.0  | 50.0  | 50.0  | 50.0  | 44.0  | 0.0  |
| Total Split (%)         | 23.6% | 40.7% | 40.7% | 40.7% | 35.8% | 0.0% |
| Maximum Green (s)       | 25.0  | 45.0  | 45.0  | 45.0  | 40.0  |      |
| Yellow Time (s)         | 4.0   | 5.0   | 5.0   | 5.0   | 4.0   |      |
| All-Red Time (s)        | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |      |
| Lost Time Adjust (s)    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| Total Lost Time (s)     | 4.0   | 5.0   | 5.0   | 5.0   | 4.0   | 4.0  |
| Lead/Lag                | Lead  |       | Lag   | Lag   |       |      |
| Lead-Lag Optimize?      | Yes   |       | Yes   | Yes   |       |      |
| Vehicle Extension (s)   | 2.5   | 5.2   | 5.2   | 5.2   | 3.5   |      |
| Minimum Gap (s)         | 1.0   | 3.2   | 3.2   | 3.2   | 3.5   |      |
| Time Before Reduce (s)  | 10.0  | 10.0  | 10.0  | 10.0  | 0.0   |      |
| Time To Reduce (s)      | 5.0   | 20.0  | 20.0  | 20.0  | 0.0   |      |
| Recall Mode             | None  | Min   | Min   | Min   | None  |      |
| Walk Time (s)           |       |       | 7.0   | 7.0   | 7.0   |      |
| Flash Dont Walk (s)     |       |       | 21.0  | 21.0  | 21.0  |      |
| Pedestrian Calls (#/hr) |       |       | 0     | 0     | 0     |      |
| Act Effect Green (s)    | 8.8   | 45.3  | 34.6  | 34.6  | 41.1  |      |
| Actuated g/C Ratio      | 0.09  | 0.47  | 0.36  | 0.36  | 0.43  |      |
| v/c Ratio               | 0.53  | 0.29  | 0.59  | 0.83  | 0.84  |      |
| Control Delay           | 59.6  | 14.8  | 27.1  | 20.4  | 41.0  |      |
| Queue Delay             | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |      |
| Total Delay             | 59.6  | 14.8  | 27.1  | 20.4  | 41.0  |      |
| LOS                     | E     | B     | C     | C     | D     |      |
| Approach Delay          |       | 21.2  | 23.9  |       | 41.0  |      |
| Approach LOS            |       | C     | C     |       | D     |      |

Intersection Summary

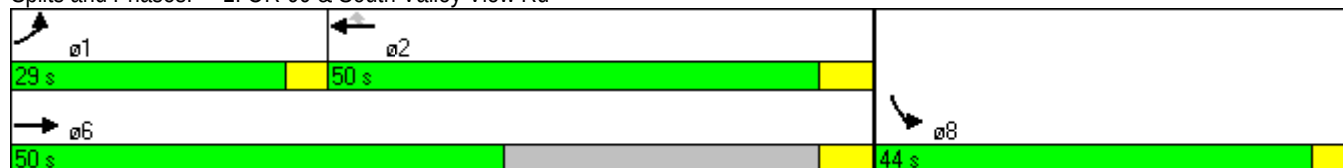
Area Type: Other  
Cycle Length: 123  
Actuated Cycle Length: 95.6  
Natural Cycle: 75  
Control Type: Actuated-Uncoordinated  
Maximum v/c Ratio: 0.84  
Intersection Signal Delay: 27.6  
Intersection Capacity Utilization 63.8%  
Analysis Period (min) 15

Intersection LOS: C  
ICU Level of Service B

Existing Traffic Conditions  
 1: OR-99 & South Valley View Rd

Weekday PM Peak Hour  
 10/5/2010

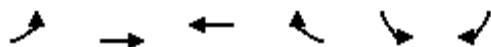
Splits and Phases: 1: OR-99 & South Valley View Rd





Existing Traffic Conditions  
1: OR-99 & South Valley View Rd

Weekday PM Peak Hour  
10/5/2010



| Movement                          | EBL   | EBT  | WBT   | WBR                  | SBL   | SBR  |
|-----------------------------------|-------|------|-------|----------------------|-------|------|
| Lane Configurations               |       |      |       |                      |       |      |
| Volume (vph)                      | 60    | 357  | 584   | 539                  | 447   | 62   |
| Ideal Flow (vphpl)                | 1750  | 1750 | 1750  | 1750                 | 1750  | 1750 |
| Total Lost time (s)               | 4.0   | 5.0  | 5.0   | 5.0                  | 4.0   |      |
| Lane Util. Factor                 | 1.00  | 0.95 | 0.95  | 1.00                 | 1.00  |      |
| Frpb, ped/bikes                   | 1.00  | 1.00 | 1.00  | 0.97                 | 1.00  |      |
| Flpb, ped/bikes                   | 1.00  | 1.00 | 1.00  | 1.00                 | 1.00  |      |
| Frt                               | 1.00  | 1.00 | 1.00  | 0.85                 | 0.98  |      |
| Flt Protected                     | 0.95  | 1.00 | 1.00  | 1.00                 | 0.96  |      |
| Satd. Flow (prot)                 | 1409  | 3023 | 3167  | 1351                 | 1607  |      |
| Flt Permitted                     | 0.95  | 1.00 | 1.00  | 1.00                 | 0.96  |      |
| Satd. Flow (perm)                 | 1409  | 3023 | 3167  | 1351                 | 1607  |      |
| Peak-hour factor, PHF             | 0.87  | 0.87 | 0.87  | 0.87                 | 0.87  | 0.87 |
| Adj. Flow (vph)                   | 69    | 410  | 671   | 620                  | 514   | 71   |
| RTOR Reduction (vph)              | 0     | 0    | 0     | 259                  | 3     | 0    |
| Lane Group Flow (vph)             | 69    | 410  | 671   | 361                  | 582   | 0    |
| Confl. Peds. (#/hr)               |       |      |       | 5                    |       |      |
| Heavy Vehicles (%)                | 18%   | 10%  | 5%    | 7%                   | 1%    | 14%  |
| Turn Type                         | Prot  |      |       | Perm                 |       |      |
| Protected Phases                  | 1     | 6    | 2     |                      | 8     |      |
| Permitted Phases                  |       |      |       | 2                    |       |      |
| Actuated Green, G (s)             | 7.6   | 46.2 | 34.6  | 34.6                 | 41.1  |      |
| Effective Green, g (s)            | 7.6   | 46.2 | 34.6  | 34.6                 | 41.1  |      |
| Actuated g/C Ratio                | 0.08  | 0.48 | 0.36  | 0.36                 | 0.43  |      |
| Clearance Time (s)                | 4.0   | 5.0  | 5.0   | 5.0                  | 4.0   |      |
| Vehicle Extension (s)             | 2.5   | 5.2  | 5.2   | 5.2                  | 3.5   |      |
| Lane Grp Cap (vph)                | 111   | 1450 | 1138  | 485                  | 686   |      |
| v/s Ratio Prot                    | c0.05 | 0.14 | 0.21  |                      | c0.36 |      |
| v/s Ratio Perm                    |       |      |       | c0.27                |       |      |
| v/c Ratio                         | 0.62  | 0.28 | 0.59  | 0.74                 | 0.85  |      |
| Uniform Delay, d1                 | 43.0  | 15.1 | 25.1  | 27.0                 | 24.8  |      |
| Progression Factor                | 1.00  | 1.00 | 1.00  | 1.00                 | 1.00  |      |
| Incremental Delay, d2             | 9.0   | 0.2  | 1.3   | 7.4                  | 9.8   |      |
| Delay (s)                         | 52.0  | 15.3 | 26.4  | 34.4                 | 34.6  |      |
| Level of Service                  | D     | B    | C     | C                    | C     |      |
| Approach Delay (s)                |       | 20.6 | 30.2  |                      | 34.6  |      |
| Approach LOS                      |       | C    | C     |                      | C     |      |
| <b>Intersection Summary</b>       |       |      |       |                      |       |      |
| HCM Average Control Delay         |       |      | 29.3  | HCM Level of Service |       | C    |
| HCM Volume to Capacity ratio      |       |      | 0.78  |                      |       |      |
| Actuated Cycle Length (s)         |       |      | 96.3  | Sum of lost time (s) |       | 13.0 |
| Intersection Capacity Utilization |       |      | 63.8% | ICU Level of Service |       | B    |
| Analysis Period (min)             |       |      | 15    |                      |       |      |
| c Critical Lane Group             |       |      |       |                      |       |      |

Existing Traffic Conditions  
2: Maple St & OR-99

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |   |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)               | 103                                                                               | 1                                                                                 | 78                                                                                | 5                                                                                 | 1                                                                                 | 7                                                                                 | 49                                                                                  | 819                                                                                 | 7                                                                                   | 1                                                                                   | 752                                                                                 | 28                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 160                                                                                 |                                                                                     | 0                                                                                   | 120                                                                                 |                                                                                     | 0                                                                                   |
| Storage Lanes              | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                   |                                                                                     | 0                                                                                   | 1                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                  |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                                | 0.95                                                                                | 0.95                                                                                | 1.00                                                                                | 0.95                                                                                | 0.95                                                                                |
| Ped Bike Factor            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Frt                        |                                                                                   | 0.942                                                                             |                                                                                   |                                                                                   | 0.928                                                                             |                                                                                   |                                                                                     | 0.999                                                                               |                                                                                     |                                                                                     | 0.995                                                                               |                                                                                     |
| Flt Protected              |                                                                                   | 0.972                                                                             |                                                                                   |                                                                                   | 0.980                                                                             |                                                                                   | 0.950                                                                               |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (prot)          | 0                                                                                 | 1568                                                                              | 0                                                                                 | 0                                                                                 | 1492                                                                              | 0                                                                                 | 1662                                                                                | 3256                                                                                | 0                                                                                   | 1662                                                                                | 3274                                                                                | 0                                                                                   |
| Flt Permitted              |                                                                                   | 0.816                                                                             |                                                                                   |                                                                                   | 0.881                                                                             |                                                                                   | 0.295                                                                               |                                                                                     |                                                                                     | 0.273                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (perm)          | 0                                                                                 | 1316                                                                              | 0                                                                                 | 0                                                                                 | 1341                                                                              | 0                                                                                 | 516                                                                                 | 3256                                                                                | 0                                                                                   | 478                                                                                 | 3274                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                     |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 56                                                                                |                                                                                   |                                                                                   | 8                                                                                 |                                                                                   |                                                                                     | 2                                                                                   |                                                                                     |                                                                                     | 7                                                                                   |                                                                                     |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                     | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 231                                                                               |                                                                                   |                                                                                   | 234                                                                               |                                                                                   |                                                                                     | 1145                                                                                |                                                                                     |                                                                                     | 889                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 6.3                                                                               |                                                                                   |                                                                                   | 6.4                                                                               |                                                                                   |                                                                                     | 31.2                                                                                |                                                                                     |                                                                                     | 24.2                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     | 3                                                                                   |
| Peak Hour Factor           | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Heavy Vehicles (%)         | 3%                                                                                | 100%                                                                              | 0%                                                                                | 0%                                                                                | 100%                                                                              | 0%                                                                                | 0%                                                                                  | 2%                                                                                  | 0%                                                                                  | 0%                                                                                  | 1%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 116                                                                               | 1                                                                                 | 88                                                                                | 6                                                                                 | 1                                                                                 | 8                                                                                 | 55                                                                                  | 920                                                                                 | 8                                                                                   | 1                                                                                   | 845                                                                                 | 31                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 0                                                                                 | 205                                                                               | 0                                                                                 | 0                                                                                 | 15                                                                                | 0                                                                                 | 55                                                                                  | 928                                                                                 | 0                                                                                   | 1                                                                                   | 876                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                                | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                     | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                  |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 1                                                                                 | 1                                                                                 |                                                                                   | 1                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                   | 1                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |
| Detector Template          | Left                                                                              |                                                                                   |                                                                                   | Left                                                                              |                                                                                   |                                                                                   | Left                                                                                |                                                                                     |                                                                                     | Left                                                                                |                                                                                     |                                                                                     |
| Leading Detector (ft)      | 20                                                                                | 18                                                                                |                                                                                   | 20                                                                                | 18                                                                                |                                                                                   | 78                                                                                  | 143                                                                                 |                                                                                     | 20                                                                                  | 143                                                                                 |                                                                                     |
| Trailing Detector (ft)     | 0                                                                                 | 2                                                                                 |                                                                                   | 0                                                                                 | 2                                                                                 |                                                                                   | 72                                                                                  | 137                                                                                 |                                                                                     | 0                                                                                   | 137                                                                                 |                                                                                     |
| Detector 1 Position(ft)    | 0                                                                                 | 2                                                                                 |                                                                                   | 0                                                                                 | 2                                                                                 |                                                                                   | 2                                                                                   | 137                                                                                 |                                                                                     | 0                                                                                   | 137                                                                                 |                                                                                     |
| Detector 1 Size(ft)        | 20                                                                                | 16                                                                                |                                                                                   | 20                                                                                | 16                                                                                |                                                                                   | 6                                                                                   | 6                                                                                   |                                                                                     | 20                                                                                  | 6                                                                                   |                                                                                     |
| Detector 1 Type            | Cl+Ex                                                                             | Cl+Ex                                                                             |                                                                                   | Cl+Ex                                                                             | Cl+Ex                                                                             |                                                                                   | Call                                                                                | Extend                                                                              |                                                                                     | Cl+Ex                                                                               | Cl+Ex                                                                               |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 2 Position(ft)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 72                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Size(ft)        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Type            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Extend                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                                |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |

Existing Traffic Conditions  
2: Maple St & OR-99

Weekday PM Peak Hour

10/5/2010

|                         |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Protected Phases        |                                                                                   | 8                                                                                 |                                                                                   |                                                                                   | 4                                                                                 |                                                                                   |                                                                                    | 6                                                                                   |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Permitted Phases        | 8                                                                                 |                                                                                   |                                                                                   | 4                                                                                 |                                                                                   |                                                                                   | 6                                                                                  |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |                                                                                     |
| Detector Phase          | 8                                                                                 | 8                                                                                 |                                                                                   | 4                                                                                 | 4                                                                                 |                                                                                   | 6                                                                                  | 6                                                                                   |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |
| Switch Phase            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)     | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                               | 5.0                                                                               |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                |                                                                                     |
| Minimum Split (s)       | 28.0                                                                              | 28.0                                                                              |                                                                                   | 28.0                                                                              | 28.0                                                                              |                                                                                   | 21.0                                                                               | 21.0                                                                                |                                                                                     | 25.0                                                                                | 25.0                                                                                |                                                                                     |
| Total Split (s)         | 34.0                                                                              | 34.0                                                                              | 0.0                                                                               | 34.0                                                                              | 34.0                                                                              | 0.0                                                                               | 44.0                                                                               | 44.0                                                                                | 0.0                                                                                 | 44.0                                                                                | 44.0                                                                                | 0.0                                                                                 |
| Total Split (%)         | 43.6%                                                                             | 43.6%                                                                             | 0.0%                                                                              | 43.6%                                                                             | 43.6%                                                                             | 0.0%                                                                              | 56.4%                                                                              | 56.4%                                                                               | 0.0%                                                                                | 56.4%                                                                               | 56.4%                                                                               | 0.0%                                                                                |
| Maximum Green (s)       | 30.0                                                                              | 30.0                                                                              |                                                                                   | 30.0                                                                              | 30.0                                                                              |                                                                                   | 40.0                                                                               | 40.0                                                                                |                                                                                     | 40.0                                                                                | 40.0                                                                                |                                                                                     |
| Yellow Time (s)         | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| All-Red Time (s)        | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Lost Time Adjust (s)    | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Lost Time (s)     | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                                | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| Lead/Lag                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lead-Lag Optimize?      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)   | 2.5                                                                               | 2.5                                                                               |                                                                                   | 2.5                                                                               | 2.5                                                                               |                                                                                   | 6.9                                                                                | 6.9                                                                                 |                                                                                     | 6.9                                                                                 | 6.9                                                                                 |                                                                                     |
| Minimum Gap (s)         | 1.0                                                                               | 1.0                                                                               |                                                                                   | 1.0                                                                               | 1.0                                                                               |                                                                                   | 4.9                                                                                | 4.9                                                                                 |                                                                                     | 4.9                                                                                 | 4.9                                                                                 |                                                                                     |
| Time Before Reduce (s)  | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                               | 5.0                                                                               |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                |                                                                                     |
| Time To Reduce (s)      | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 20.0                                                                               | 20.0                                                                                |                                                                                     | 20.0                                                                                | 20.0                                                                                |                                                                                     |
| Recall Mode             | None                                                                              | None                                                                              |                                                                                   | None                                                                              | None                                                                              |                                                                                   | Min                                                                                | Min                                                                                 |                                                                                     | Min                                                                                 | Min                                                                                 |                                                                                     |
| Walk Time (s)           | 7.0                                                                               | 7.0                                                                               |                                                                                   | 7.0                                                                               | 7.0                                                                               |                                                                                   | 7.0                                                                                | 7.0                                                                                 |                                                                                     | 7.0                                                                                 | 7.0                                                                                 |                                                                                     |
| Flash Dont Walk (s)     | 17.0                                                                              | 17.0                                                                              |                                                                                   | 17.0                                                                              | 17.0                                                                              |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 14.0                                                                                | 14.0                                                                                |                                                                                     |
| Pedestrian Calls (#/hr) | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                  | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     |
| Act Effect Green (s)    |                                                                                   | 10.3                                                                              |                                                                                   |                                                                                   | 10.3                                                                              |                                                                                   | 25.2                                                                               | 25.2                                                                                |                                                                                     | 25.2                                                                                | 25.2                                                                                |                                                                                     |
| Actuated g/C Ratio      |                                                                                   | 0.24                                                                              |                                                                                   |                                                                                   | 0.24                                                                              |                                                                                   | 0.58                                                                               | 0.58                                                                                |                                                                                     | 0.58                                                                                | 0.58                                                                                |                                                                                     |
| v/c Ratio               |                                                                                   | 0.58                                                                              |                                                                                   |                                                                                   | 0.05                                                                              |                                                                                   | 0.19                                                                               | 0.49                                                                                |                                                                                     | 0.00                                                                                | 0.46                                                                                |                                                                                     |
| Control Delay           |                                                                                   | 17.7                                                                              |                                                                                   |                                                                                   | 10.2                                                                              |                                                                                   | 7.6                                                                                | 7.3                                                                                 |                                                                                     | 5.0                                                                                 | 7.0                                                                                 |                                                                                     |
| Queue Delay             |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Total Delay             |                                                                                   | 17.7                                                                              |                                                                                   |                                                                                   | 10.2                                                                              |                                                                                   | 7.6                                                                                | 7.3                                                                                 |                                                                                     | 5.0                                                                                 | 7.0                                                                                 |                                                                                     |
| LOS                     |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   | A                                                                                  | A                                                                                   |                                                                                     | A                                                                                   | A                                                                                   |                                                                                     |
| Approach Delay          |                                                                                   | 17.7                                                                              |                                                                                   |                                                                                   | 10.2                                                                              |                                                                                   |                                                                                    | 7.3                                                                                 |                                                                                     |                                                                                     | 7.0                                                                                 |                                                                                     |
| Approach LOS            |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   |                                                                                    | A                                                                                   |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |

Intersection Summary

Area Type: Other

Cycle Length: 78

Actuated Cycle Length: 43.7

Natural Cycle: 55

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.58

Intersection Signal Delay: 8.2

Intersection LOS: A

Intersection Capacity Utilization 60.8%

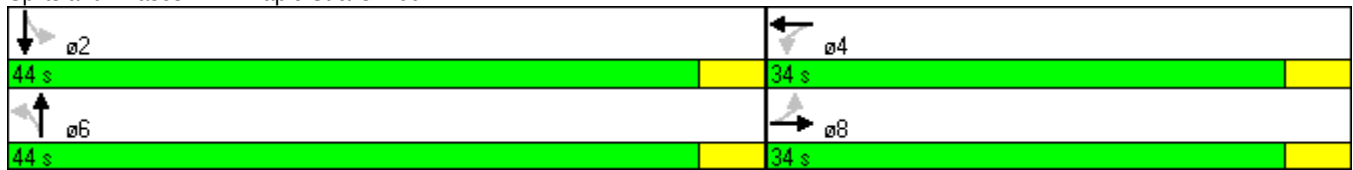
ICU Level of Service B

Analysis Period (min) 15

Existing Traffic Conditions  
2: Maple St & OR-99

Weekday PM Peak Hour  
10/5/2010

Splits and Phases: 2: Maple St & OR-99



Existing Traffic Conditions  
2: Maple St & OR-99

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)                      | 103                                                                               | 1                                                                                 | 78                                                                                | 5                                                                                 | 1                                                                                 | 7                                                                                 | 49                                                                                  | 819                                                                                 | 7                                                                                   | 1                                                                                   | 752                                                                                 | 28                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   | 4.0                                                                                 | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| Lane Util. Factor                 |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                                | 0.95                                                                                |                                                                                     | 1.00                                                                                | 0.95                                                                                |                                                                                     |
| Frpb, ped/bikes                   |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Flpb, ped/bikes                   |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Frt                               |                                                                                   | 0.94                                                                              |                                                                                   |                                                                                   | 0.93                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 0.99                                                                                |                                                                                     |
| Flt Protected                     |                                                                                   | 0.97                                                                              |                                                                                   |                                                                                   | 0.98                                                                              |                                                                                   | 0.95                                                                                | 1.00                                                                                |                                                                                     | 0.95                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (prot)                 |                                                                                   | 1569                                                                              |                                                                                   |                                                                                   | 1493                                                                              |                                                                                   | 1661                                                                                | 3256                                                                                |                                                                                     | 1662                                                                                | 3273                                                                                |                                                                                     |
| Flt Permitted                     |                                                                                   | 0.82                                                                              |                                                                                   |                                                                                   | 0.88                                                                              |                                                                                   | 0.29                                                                                | 1.00                                                                                |                                                                                     | 0.27                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (perm)                 |                                                                                   | 1317                                                                              |                                                                                   |                                                                                   | 1341                                                                              |                                                                                   | 515                                                                                 | 3256                                                                                |                                                                                     | 478                                                                                 | 3273                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Adj. Flow (vph)                   | 116                                                                               | 1                                                                                 | 88                                                                                | 6                                                                                 | 1                                                                                 | 8                                                                                 | 55                                                                                  | 920                                                                                 | 8                                                                                   | 1                                                                                   | 845                                                                                 | 31                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 43                                                                                | 0                                                                                 | 0                                                                                 | 6                                                                                 | 0                                                                                 | 0                                                                                   | 1                                                                                   | 0                                                                                   | 0                                                                                   | 3                                                                                   | 0                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 162                                                                               | 0                                                                                 | 0                                                                                 | 9                                                                                 | 0                                                                                 | 55                                                                                  | 927                                                                                 | 0                                                                                   | 1                                                                                   | 873                                                                                 | 0                                                                                   |
| Confl. Peds. (#/hr)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     | 3                                                                                   |
| Heavy Vehicles (%)                | 3%                                                                                | 100%                                                                              | 0%                                                                                | 0%                                                                                | 100%                                                                              | 0%                                                                                | 0%                                                                                  | 2%                                                                                  | 0%                                                                                  | 0%                                                                                  | 1%                                                                                  | 0%                                                                                  |
| Turn Type                         | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                                |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |
| Protected Phases                  |                                                                                   | 8                                                                                 |                                                                                   |                                                                                   | 4                                                                                 |                                                                                   |                                                                                     | 6                                                                                   |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Permitted Phases                  | 8                                                                                 |                                                                                   |                                                                                   | 4                                                                                 |                                                                                   |                                                                                   | 6                                                                                   |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |                                                                                     |
| Actuated Green, G (s)             |                                                                                   | 10.3                                                                              |                                                                                   |                                                                                   | 10.3                                                                              |                                                                                   | 25.2                                                                                | 25.2                                                                                |                                                                                     | 25.2                                                                                | 25.2                                                                                |                                                                                     |
| Effective Green, g (s)            |                                                                                   | 10.3                                                                              |                                                                                   |                                                                                   | 10.3                                                                              |                                                                                   | 25.2                                                                                | 25.2                                                                                |                                                                                     | 25.2                                                                                | 25.2                                                                                |                                                                                     |
| Actuated g/C Ratio                |                                                                                   | 0.24                                                                              |                                                                                   |                                                                                   | 0.24                                                                              |                                                                                   | 0.58                                                                                | 0.58                                                                                |                                                                                     | 0.58                                                                                | 0.58                                                                                |                                                                                     |
| Clearance Time (s)                |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   | 4.0                                                                                 | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| Vehicle Extension (s)             |                                                                                   | 2.5                                                                               |                                                                                   |                                                                                   | 2.5                                                                               |                                                                                   | 6.9                                                                                 | 6.9                                                                                 |                                                                                     | 6.9                                                                                 | 6.9                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                |                                                                                   | 312                                                                               |                                                                                   |                                                                                   | 318                                                                               |                                                                                   | 298                                                                                 | 1886                                                                                |                                                                                     | 277                                                                                 | 1896                                                                                |                                                                                     |
| v/s Ratio Prot                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | c0.28                                                                               |                                                                                     |                                                                                     |                                                                                     | 0.27                                                                                |
| v/s Ratio Perm                    |                                                                                   | c0.12                                                                             |                                                                                   |                                                                                   | 0.01                                                                              |                                                                                   | 0.11                                                                                |                                                                                     |                                                                                     | 0.00                                                                                |                                                                                     |                                                                                     |
| v/c Ratio                         |                                                                                   | 0.52                                                                              |                                                                                   |                                                                                   | 0.03                                                                              |                                                                                   | 0.18                                                                                | 0.49                                                                                |                                                                                     | 0.00                                                                                | 0.46                                                                                |                                                                                     |
| Uniform Delay, d1                 |                                                                                   | 14.4                                                                              |                                                                                   |                                                                                   | 12.8                                                                              |                                                                                   | 4.3                                                                                 | 5.4                                                                                 |                                                                                     | 3.9                                                                                 | 5.2                                                                                 |                                                                                     |
| Progression Factor                |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             |                                                                                   | 1.2                                                                               |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   | 1.0                                                                                 | 0.7                                                                                 |                                                                                     | 0.0                                                                                 | 0.6                                                                                 |                                                                                     |
| Delay (s)                         |                                                                                   | 15.6                                                                              |                                                                                   |                                                                                   | 12.8                                                                              |                                                                                   | 5.4                                                                                 | 6.1                                                                                 |                                                                                     | 3.9                                                                                 | 5.9                                                                                 |                                                                                     |
| Level of Service                  |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   | A                                                                                   | A                                                                                   |                                                                                     | A                                                                                   | A                                                                                   |                                                                                     |
| Approach Delay (s)                |                                                                                   | 15.6                                                                              |                                                                                   |                                                                                   | 12.8                                                                              |                                                                                   |                                                                                     | 6.0                                                                                 |                                                                                     |                                                                                     | 5.9                                                                                 |                                                                                     |
| Approach LOS                      |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   |                                                                                     | A                                                                                   |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |
| <b>Intersection Summary</b>       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 7.0                                                                               |                                                                                   |                                                                                   | HCM Level of Service                                                              |                                                                                     |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.50                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 43.5                                                                              |                                                                                   |                                                                                   | Sum of lost time (s)                                                              |                                                                                     |                                                                                     |                                                                                     | 8.0                                                                                 |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 60.8%                                                                             |                                                                                   |                                                                                   | ICU Level of Service                                                              |                                                                                     |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
3: Wimer St & OR-99

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 7                                                                                 | 11                                                                                | 51                                                                                | 4                                                                                 | 4                                                                                 | 85                                                                                | 53                                                                                 | 773                                                                                 | 9                                                                                   | 72                                                                                  | 740                                                                                 | 19                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.900                                                                             |                                                                                   |                                                                                   | 0.877                                                                             |                                                                                   |                                                                                    | 0.998                                                                               |                                                                                     |                                                                                     | 0.997                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   | 0.998                                                                             |                                                                                   |                                                                                    | 0.997                                                                               |                                                                                     |                                                                                     | 0.996                                                                               |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1542                                                                              | 0                                                                                 | 0                                                                                 | 1518                                                                              | 0                                                                                 | 0                                                                                  | 3241                                                                                | 0                                                                                   | 0                                                                                   | 3273                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   | 0.998                                                                             |                                                                                   |                                                                                    | 0.997                                                                               |                                                                                     |                                                                                     | 0.996                                                                               |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1542                                                                              | 0                                                                                 | 0                                                                                 | 1518                                                                              | 0                                                                                 | 0                                                                                  | 3241                                                                                | 0                                                                                   | 0                                                                                   | 3273                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 287                                                                               |                                                                                   |                                                                                   | 248                                                                               |                                                                                   |                                                                                    | 1939                                                                                |                                                                                     |                                                                                     | 1145                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 7.8                                                                               |                                                                                   |                                                                                   | 6.8                                                                               |                                                                                   |                                                                                    | 52.9                                                                                |                                                                                     |                                                                                     | 31.2                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               |                                                                                   |                                                                                   | 1                                                                                 | 1                                                                                 |                                                                                   |                                                                                   | 9                                                                                  |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 9                                                                                   |
| Peak Hour Factor                  | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                               | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 10%                                                                               | 0%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 2%                                                                                 | 2%                                                                                  | 11%                                                                                 | 0%                                                                                  | 1%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 8                                                                                 | 13                                                                                | 59                                                                                | 5                                                                                 | 5                                                                                 | 98                                                                                | 61                                                                                 | 889                                                                                 | 10                                                                                  | 83                                                                                  | 851                                                                                 | 22                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 80                                                                                | 0                                                                                 | 0                                                                                 | 108                                                                               | 0                                                                                 | 0                                                                                  | 960                                                                                 | 0                                                                                   | 0                                                                                   | 956                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)                   |                                                                                   | -30                                                                               |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 67.9%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service C            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
3: Wimer St & OR-99

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 7                                                                                 | 11                                                                                | 51                                                                                | 4                                                                                 | 4                                                                                 | 85                                                                                | 53                                                                                 | 773                                                                                 | 9                                                                                   | 72                                                                                  | 740                                                                                 | 19                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                              | 0.87                                                                               | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                | 0.87                                                                                |
| Hourly flow rate (vph)            | 8                                                                                 | 13                                                                                | 59                                                                                | 5                                                                                 | 5                                                                                 | 98                                                                                | 61                                                                                 | 889                                                                                 | 10                                                                                  | 83                                                                                  | 851                                                                                 | 22                                                                                  |
| Pedestrians                       |                                                                                   | 9                                                                                 |                                                                                   |                                                                                   | 9                                                                                 |                                                                                   |                                                                                    | 1                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                    | 12.0                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   | 1                                                                                 |                                                                                   |                                                                                   | 1                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 1145                                                                                |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 1702                                                                              | 2066                                                                              | 446                                                                               | 1681                                                                              | 2071                                                                              | 458                                                                               | 881                                                                                |                                                                                     |                                                                                     | 908                                                                                 |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 1702                                                                              | 2066                                                                              | 446                                                                               | 1681                                                                              | 2071                                                                              | 458                                                                               | 881                                                                                |                                                                                     |                                                                                     | 908                                                                                 |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.5                                                                               | 6.7                                                                               | 6.9                                                                               | 7.5                                                                               | 6.5                                                                               | 6.9                                                                               | 4.1                                                                                |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.5                                                                               | 4.1                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 79                                                                                | 68                                                                                | 90                                                                                | 87                                                                                | 90                                                                                | 82                                                                                | 92                                                                                 |                                                                                     |                                                                                     | 89                                                                                  |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 39                                                                                | 39                                                                                | 560                                                                               | 36                                                                                | 44                                                                                | 548                                                                               | 757                                                                                |                                                                                     |                                                                                     | 752                                                                                 |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | NB 2                                                                              | SB 1                                                                              | SB 2                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 79                                                                                | 107                                                                               | 505                                                                               | 455                                                                               | 508                                                                               | 447                                                                               |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 8                                                                                 | 5                                                                                 | 61                                                                                | 0                                                                                 | 83                                                                                | 0                                                                                 |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 59                                                                                | 98                                                                                | 0                                                                                 | 10                                                                                | 0                                                                                 | 22                                                                                |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 125                                                                               | 261                                                                               | 757                                                                               | 1700                                                                              | 752                                                                               | 1700                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.63                                                                              | 0.41                                                                              | 0.08                                                                              | 0.27                                                                              | 0.11                                                                              | 0.26                                                                              |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 82                                                                                | 47                                                                                | 7                                                                                 | 0                                                                                 | 9                                                                                 | 0                                                                                 |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 73.6                                                                              | 28.1                                                                              | 2.2                                                                               | 0.0                                                                               | 3.0                                                                               | 0.0                                                                               |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | F                                                                                 | D                                                                                 | A                                                                                 |                                                                                   | A                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 73.6                                                                              | 28.1                                                                              | 1.2                                                                               |                                                                                   | 1.6                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | F                                                                                 | D                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 5.5                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 67.9%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                    |                                                                                     | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
4: OR-99 & Helman St

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |                                                                                   |                                                                                   | FF                                                                                |                                                                                   | FF                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | P                                                                                   |                                                                                     |
| Volume (vph)               | 0                                                                                 | 0                                                                                 | 747                                                                               | 0                                                                                 | 788                                                                               | 60                                                                                | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 54                                                                                  | 9                                                                                   |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 0.88                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.98                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.99                                                                                |                                                                                     |
| Frt                        |                                                                                   |                                                                                   | 0.850                                                                             |                                                                                   | 0.989                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.982                                                                               |                                                                                     |
| Flt Protected              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)          | 0                                                                                 | 0                                                                                 | 2567                                                                              | 0                                                                                 | 3234                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1701                                                                                | 0                                                                                   |
| Flt Permitted              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)          | 0                                                                                 | 0                                                                                 | 2567                                                                              | 0                                                                                 | 3234                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1701                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   |                                                                                   | 1109                                                                              |                                                                                   | 15                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 9                                                                                   |                                                                                     |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 20                                                                                |                                                                                   |                                                                                    | 20                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 1939                                                                              |                                                                                   |                                                                                   | 136                                                                               |                                                                                   |                                                                                    | 128                                                                                 |                                                                                     |                                                                                     | 618                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 52.9                                                                              |                                                                                   |                                                                                   | 4.6                                                                               |                                                                                   |                                                                                    | 4.4                                                                                 |                                                                                     |                                                                                     | 16.9                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 84                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 84                                                                                | 57                                                                                 |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 57                                                                                  |
| Peak Hour Factor           | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 0%                                                                                | 2%                                                                                | 2%                                                                                | 0%                                                                                | 2%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 0                                                                                 | 0                                                                                 | 786                                                                               | 0                                                                                 | 829                                                                               | 63                                                                                | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 57                                                                                  | 9                                                                                   |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 0                                                                                 | 0                                                                                 | 786                                                                               | 0                                                                                 | 892                                                                               | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 66                                                                                  | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Number of Detectors        |                                                                                   |                                                                                   | 1                                                                                 |                                                                                   | 1                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 1                                                                                   |                                                                                     |
| Detector Template          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Leading Detector (ft)      |                                                                                   |                                                                                   | 143                                                                               |                                                                                   | 143                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 18                                                                                  |                                                                                     |
| Trailing Detector (ft)     |                                                                                   |                                                                                   | 137                                                                               |                                                                                   | 137                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Detector 1 Position(ft)    |                                                                                   |                                                                                   | 137                                                                               |                                                                                   | 137                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Detector 1 Size(ft)        |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   | 6                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Detector 1 Type            |                                                                                   |                                                                                   | Extend                                                                            |                                                                                   | Extend                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | Cl+Ex                                                                               |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.0                                                                                 |                                                                                     |
| Turn Type                  |                                                                                   |                                                                                   | custom                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Protected Phases           |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   | 2                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector Phase             |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   | 2                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Switch Phase               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)        |                                                                                   |                                                                                   | 3.0                                                                               |                                                                                   | 10.0                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 3.0                                                                                 |                                                                                     |
| Minimum Split (s)          |                                                                                   |                                                                                   | 23.0                                                                              |                                                                                   | 20.0                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 24.0                                                                                |                                                                                     |
| Total Split (s)            | 0.0                                                                               | 0.0                                                                               | 41.0                                                                              | 0.0                                                                               | 41.0                                                                              | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 34.0                                                                                | 0.0                                                                                 |
| Total Split (%)            | 0.0%                                                                              | 0.0%                                                                              | 54.7%                                                                             | 0.0%                                                                              | 54.7%                                                                             | 0.0%                                                                              | 0.0%                                                                               | 0.0%                                                                                | 0.0%                                                                                | 0.0%                                                                                | 45.3%                                                                               | 0.0%                                                                                |



Existing Traffic Conditions  
4: OR-99 & Helman St

Weekday PM Peak Hour  
10/5/2010

|                         |  |     |       |     |       |     |     |     |     |     |      |     |
|-------------------------|------------------------------------------------------------------------------------|-----|-------|-----|-------|-----|-----|-----|-----|-----|------|-----|
| Lane Group              | EBL                                                                                | EBT | EBR   | WBL | WBT   | WBR | NBL | NBT | NBR | SBL | SBT  | SBR |
| Maximum Green (s)       |                                                                                    |     | 37.0  |     | 37.0  |     |     |     |     |     | 30.0 |     |
| Yellow Time (s)         |                                                                                    |     | 4.0   |     | 4.0   |     |     |     |     |     | 4.0  |     |
| All-Red Time (s)        |                                                                                    |     | 0.0   |     | 0.0   |     |     |     |     |     | 0.0  |     |
| Lost Time Adjust (s)    | 0.0                                                                                | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |
| Total Lost Time (s)     | 4.0                                                                                | 4.0 | 4.0   | 4.0 | 4.0   | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0  | 4.0 |
| Lead/Lag                |                                                                                    |     |       |     |       |     |     |     |     |     |      |     |
| Lead-Lag Optimize?      |                                                                                    |     |       |     |       |     |     |     |     |     |      |     |
| Vehicle Extension (s)   |                                                                                    |     | 0.2   |     | 6.0   |     |     |     |     |     | 2.5  |     |
| Minimum Gap (s)         |                                                                                    |     | 0.2   |     | 4.0   |     |     |     |     |     | 1.0  |     |
| Time Before Reduce (s)  |                                                                                    |     | 0.0   |     | 10.0  |     |     |     |     |     | 10.0 |     |
| Time To Reduce (s)      |                                                                                    |     | 0.0   |     | 10.0  |     |     |     |     |     | 5.0  |     |
| Recall Mode             |                                                                                    |     | C-Max |     | C-Max |     |     |     |     |     | Ped  |     |
| Walk Time (s)           |                                                                                    |     | 10.0  |     | 5.0   |     |     |     |     |     | 5.0  |     |
| Flash Dont Walk (s)     |                                                                                    |     | 9.0   |     | 11.0  |     |     |     |     |     | 15.0 |     |
| Pedestrian Calls (#/hr) |                                                                                    |     | 0     |     | 0     |     |     |     |     |     | 0    |     |
| Act Effect Green (s)    |                                                                                    |     | 47.0  |     | 47.0  |     |     |     |     |     | 20.0 |     |
| Actuated g/C Ratio      |                                                                                    |     | 0.63  |     | 0.63  |     |     |     |     |     | 0.27 |     |
| v/c Ratio               |                                                                                    |     | 0.39  |     | 0.44  |     |     |     |     |     | 0.14 |     |
| Control Delay           |                                                                                    |     | 0.6   |     | 7.9   |     |     |     |     |     | 19.7 |     |
| Queue Delay             |                                                                                    |     | 0.0   |     | 0.0   |     |     |     |     |     | 0.0  |     |
| Total Delay             |                                                                                    |     | 0.6   |     | 7.9   |     |     |     |     |     | 19.7 |     |
| LOS                     |                                                                                    |     | A     |     | A     |     |     |     |     |     | B    |     |
| Approach Delay          |                                                                                    |     |       |     | 7.9   |     |     |     |     |     | 19.7 |     |
| Approach LOS            |                                                                                    |     |       |     | A     |     |     |     |     |     | B    |     |

Intersection Summary

Area Type: Other

Cycle Length: 75

Actuated Cycle Length: 75

Offset: 0 (0%), Referenced to phase 2:WBT and 6:EBR, Start of Yellow

Natural Cycle: 50

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.44

Intersection Signal Delay: 5.0

Intersection LOS: A

Intersection Capacity Utilization 51.7%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 4: OR-99 & Helman St

|                                                                                                                                                                                          |                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>ø2<br><br>41 s | <br>ø4<br><br>34 s |
| <br>ø6<br><br>41 s |                                                                                                                                                                                          |

Existing Traffic Conditions  
4: OR-99 & Helman St

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |                                                                                   |  |                                                                                   |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 747                                                                               | 0                                                                                 | 788                                                                               | 60                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   | 54                                                                                  | 9                                                                                   |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Lane Util. Factor                 |                                                                                   |                                                                                   | 0.88                                                                              |                                                                                   | 0.95                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frpb, ped/bikes                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 0.98                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.99                                                                                |                                                                                     |
| Flpb, ped/bikes                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frt                               |                                                                                   |                                                                                   | 0.85                                                                              |                                                                                   | 0.99                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.98                                                                                |                                                                                     |
| Flt Protected                     |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Satd. Flow (prot)                 |                                                                                   |                                                                                   | 2567                                                                              |                                                                                   | 3236                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1700                                                                                |                                                                                     |
| Flt Permitted                     |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Satd. Flow (perm)                 |                                                                                   |                                                                                   | 2567                                                                              |                                                                                   | 3236                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1700                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 786                                                                               | 0                                                                                 | 829                                                                               | 63                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   | 57                                                                                  | 9                                                                                   |
| RTOR Reduction (vph)              | 0                                                                                 | 0                                                                                 | 293                                                                               | 0                                                                                 | 6                                                                                 | 0                                                                                 | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   | 7                                                                                   | 0                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 493                                                                               | 0                                                                                 | 886                                                                               | 0                                                                                 | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   | 59                                                                                  | 0                                                                                   |
| Confl. Peds. (#/hr)               | 84                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 84                                                                                | 57                                                                                  |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 57                                                                                  |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 2%                                                                                | 0%                                                                                | 2%                                                                                | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Turn Type                         | custom                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Protected Phases                  |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   | 2                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Green, G (s)             |                                                                                   |                                                                                   | 47.0                                                                              |                                                                                   | 47.0                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.0                                                                                |                                                                                     |
| Effective Green, g (s)            |                                                                                   |                                                                                   | 47.0                                                                              |                                                                                   | 47.0                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.0                                                                                |                                                                                     |
| Actuated g/C Ratio                |                                                                                   |                                                                                   | 0.63                                                                              |                                                                                   | 0.63                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.27                                                                                |                                                                                     |
| Clearance Time (s)                |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Vehicle Extension (s)             |                                                                                   |                                                                                   | 0.2                                                                               |                                                                                   | 6.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2.5                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                |                                                                                   |                                                                                   | 1609                                                                              |                                                                                   | 2028                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 453                                                                                 |                                                                                     |
| v/s Ratio Prot                    |                                                                                   |                                                                                   | 0.19                                                                              |                                                                                   | c0.27                                                                             |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | c0.03                                                                               |                                                                                     |
| v/s Ratio Perm                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/c Ratio                         |                                                                                   |                                                                                   | 0.31                                                                              |                                                                                   | 0.44                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.13                                                                                |                                                                                     |
| Uniform Delay, d1                 |                                                                                   |                                                                                   | 6.5                                                                               |                                                                                   | 7.2                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 20.9                                                                                |                                                                                     |
| Progression Factor                |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             |                                                                                   |                                                                                   | 0.5                                                                               |                                                                                   | 0.7                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.1                                                                                 |                                                                                     |
| Delay (s)                         |                                                                                   |                                                                                   | 7.0                                                                               |                                                                                   | 7.9                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 21.0                                                                                |                                                                                     |
| Level of Service                  |                                                                                   |                                                                                   | A                                                                                 |                                                                                   | A                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |
| Approach Delay (s)                |                                                                                   | 7.0                                                                               |                                                                                   |                                                                                   | 7.9                                                                               |                                                                                   |                                                                                     | 0.0                                                                                 |                                                                                     |                                                                                     | 21.0                                                                                |                                                                                     |
| Approach LOS                      |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                     | A                                                                                   |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |
| <b>Intersection Summary</b>       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 8.0                                                                               |                                                                                   | HCM Level of Service                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.35                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 75.0                                                                              |                                                                                   | Sum of lost time (s)                                                              |                                                                                   |                                                                                     |                                                                                     | 8.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 51.7%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
5: Main St & Oak St

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |  |  |  |                                                                                     |                                                                                     |
| Volume (vph)                      | 20                                                                                | 894                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 74                                                                                  | 105                                                                                 | 119                                                                                 | 0                                                                                   | 0                                                                                   |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               | 0.850                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flt Protected                     | 0.999                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 3258                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 1750                                                                                | 1488                                                                                | 1646                                                                                | 0                                                                                   | 0                                                                                   |
| Flt Permitted                     | 0.999                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 3258                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 1750                                                                                | 1488                                                                                | 1646                                                                                | 0                                                                                   | 0                                                                                   |
| Link Speed (mph)                  | 20                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Link Distance (ft)                | 555                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Travel Time (s)                   | 18.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Confl. Peds. (#/hr)               | 88                                                                                |                                                                                   | 48                                                                                | 48                                                                                |                                                                                   | 88                                                                                | 83                                                                                 |                                                                                     | 50                                                                                  | 50                                                                                  |                                                                                     | 83                                                                                  |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                               | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 2%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 1%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 21                                                                                | 922                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 76                                                                                  | 108                                                                                 | 123                                                                                 | 0                                                                                   | 0                                                                                   |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 943                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 76                                                                                  | 108                                                                                 | 123                                                                                 | 0                                                                                   | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      | Free                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 57.5%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service B            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
5: Main St & Oak St

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |  |  |  |                                                                                     |                                                                                     |
| Volume (veh/h)                    | 20                                                                                | 894                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 74                                                                                  | 105                                                                                 | 119                                                                                 | 0                                                                                   | 0                                                                                   |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                               | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                |
| Hourly flow rate (vph)            | 21                                                                                | 922                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 76                                                                                  | 108                                                                                 | 123                                                                                 | 0                                                                                   | 0                                                                                   |
| Pedestrians                       |                                                                                   | 83                                                                                |                                                                                   |                                                                                   | 50                                                                                |                                                                                   |                                                                                    | 48                                                                                  |                                                                                     |                                                                                     | 88                                                                                  |                                                                                     |
| Lane Width (ft)                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                    | 12.0                                                                                |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Percent Blockage                  |                                                                                   | 7                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 4                                                                                   |                                                                                     |                                                                                     | 7                                                                                   |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   | 872                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 88                                                                                |                                                                                   |                                                                                   | 970                                                                               |                                                                                   |                                                                                   | 1094                                                                               | 1099                                                                                | 559                                                                                 | 678                                                                                 | 1099                                                                                | 171                                                                                 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 88                                                                                |                                                                                   |                                                                                   | 970                                                                               |                                                                                   |                                                                                   | 1094                                                                               | 1099                                                                                | 559                                                                                 | 678                                                                                 | 1099                                                                                | 171                                                                                 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                   | 7.5                                                                                | 6.5                                                                                 | 6.9                                                                                 | 7.5                                                                                 | 6.5                                                                                 | 6.9                                                                                 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |                                                                                   | 3.5                                                                                | 4.0                                                                                 | 3.3                                                                                 | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 |
| p0 queue free %                   | 99                                                                                |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   | 100                                                                                | 59                                                                                  | 76                                                                                  | 18                                                                                  | 100                                                                                 | 100                                                                                 |
| cM capacity (veh/h)               | 1409                                                                              |                                                                                   |                                                                                   | 690                                                                               |                                                                                   |                                                                                   | 138                                                                                | 188                                                                                 | 459                                                                                 | 150                                                                                 | 188                                                                                 | 733                                                                                 |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | NB 1                                                                              | NB 2                                                                              | SB 1                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 328                                                                               | 614                                                                               | 76                                                                                | 108                                                                               | 123                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 21                                                                                | 0                                                                                 | 0                                                                                 | 0                                                                                 | 123                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 108                                                                               | 0                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 1409                                                                              | 1700                                                                              | 188                                                                               | 459                                                                               | 150                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.01                                                                              | 0.36                                                                              | 0.41                                                                              | 0.24                                                                              | 0.82                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 1                                                                                 | 0                                                                                 | 45                                                                                | 23                                                                                | 132                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 0.6                                                                               | 0.0                                                                               | 36.7                                                                              | 15.3                                                                              | 90.5                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | A                                                                                 |                                                                                   | E                                                                                 | C                                                                                 | F                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 0.2                                                                               |                                                                                   | 24.1                                                                              |                                                                                   | 90.5                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      |                                                                                   |                                                                                   | C                                                                                 |                                                                                   | F                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 12.6                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 57.5%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                    |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
6: E Main St & OR-99

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |  |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 189                                                                               | 796                                                                               |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                              |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |
| Satd. Flow (prot)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 1630                                                                              | 3260                                                                              |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |
| Satd. Flow (perm)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 1630                                                                              | 3260                                                                              |
| Link Speed (mph)                  | 25                                                                                |                                                                                   | 20                                                                                |                                                                                   |                                                                                   | 20                                                                                |
| Link Distance (ft)                | 133                                                                               |                                                                                   | 236                                                                               |                                                                                   |                                                                                   | 1657                                                                              |
| Travel Time (s)                   | 3.6                                                                               |                                                                                   | 8.0                                                                               |                                                                                   |                                                                                   | 56.5                                                                              |
| Confl. Peds. (#/hr)               | 27                                                                                |                                                                                   |                                                                                   | 91                                                                                | 91                                                                                |                                                                                   |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 2%                                                                                |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 195                                                                               | 821                                                                               |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 195                                                                               | 821                                                                               |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              |
| Median Width(ft)                  | 0                                                                                 |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 212.4%                                                                            |                                                                                   |                                                                                   | ICU Level of Service H                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
6: E Main St & OR-99

Weekday PM Peak Hour

10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |  |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 189                                                                               | 796                                                                               |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Grade                             | 0%                                                                                |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 195                                                                               | 821                                                                               |
| Pedestrians                       | 91                                                                                |                                                                                   | 27                                                                                |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   | 0.0                                                                               |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              | 4.0                                                                               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 918                                                                               | 91                                                                                |                                                                                   |                                                                                   | 91                                                                                |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 918                                                                               | 91                                                                                |                                                                                   |                                                                                   | 91                                                                                |                                                                                   |
| tC, single (s)                    | 6.8                                                                               | 6.9                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   | 87                                                                                |                                                                                   |
| cM capacity (veh/h)               | 239                                                                               | 955                                                                               |                                                                                   |                                                                                   | 1502                                                                              |                                                                                   |
| Direction, Lane #                 | SB 1                                                                              | SB 2                                                                              | SB 3                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 195                                                                               | 410                                                                               | 410                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 195                                                                               | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1502                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.13                                                                              | 0.24                                                                              | 0.24                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 11                                                                                | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 7.8                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 1.5                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 1.5                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 212.4%                                                                            | ICU Level of Service                                                              |                                                                                   | H                                                                                 |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
7: OR-99 & Mountain Ave

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Volume (vph)               | 34                                                                                | 653                                                                               | 37                                                                                | 81                                                                                | 702                                                                               | 60                                                                                | 119                                                                                | 19                                                                                  | 98                                                                                  | 57                                                                                  | 34                                                                                  | 44                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 75                                                                                |                                                                                   | 0                                                                                 | 120                                                                               |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 50                                                                                  | 100                                                                                 |                                                                                     | 0                                                                                   |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 1                                                                                   |                                                                                     | 1                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            | 1.00                                                                              | 0.99                                                                              |                                                                                   | 0.96                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.99                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                        |                                                                                   | 0.992                                                                             |                                                                                   |                                                                                   | 0.988                                                                             |                                                                                   |                                                                                    | 0.944                                                                               |                                                                                     |                                                                                     |                                                                                     | 0.850                                                                               |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.976                                                                               |                                                                                     |                                                                                     | 0.970                                                                               |                                                                                     |
| Satd. Flow (prot)          | 1662                                                                              | 3245                                                                              | 0                                                                                 | 1662                                                                              | 3246                                                                              | 0                                                                                 | 0                                                                                  | 1604                                                                                | 0                                                                                   | 0                                                                                   | 1677                                                                                | 1488                                                                                |
| Flt Permitted              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.976                                                                               |                                                                                     |                                                                                     | 0.636                                                                               |                                                                                     |
| Satd. Flow (perm)          | 1655                                                                              | 3245                                                                              | 0                                                                                 | 1597                                                                              | 3246                                                                              | 0                                                                                 | 0                                                                                  | 1604                                                                                | 0                                                                                   | 0                                                                                   | 1099                                                                                | 1488                                                                                |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 5                                                                                 |                                                                                   |                                                                                   | 9                                                                                 |                                                                                   |                                                                                    | 40                                                                                  |                                                                                     |                                                                                     |                                                                                     | 48                                                                                  |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 3150                                                                              |                                                                                   |                                                                                   | 983                                                                               |                                                                                   |                                                                                    | 1339                                                                                |                                                                                     |                                                                                     | 456                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 85.9                                                                              |                                                                                   |                                                                                   | 26.8                                                                              |                                                                                   |                                                                                    | 36.5                                                                                |                                                                                     |                                                                                     | 12.4                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 6                                                                                 |                                                                                   | 40                                                                                | 40                                                                                |                                                                                   | 6                                                                                 |                                                                                    |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |                                                                                     |
| Peak Hour Factor           | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 2%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 37                                                                                | 710                                                                               | 40                                                                                | 88                                                                                | 763                                                                               | 65                                                                                | 129                                                                                | 21                                                                                  | 107                                                                                 | 62                                                                                  | 37                                                                                  | 48                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 37                                                                                | 750                                                                               | 0                                                                                 | 88                                                                                | 828                                                                               | 0                                                                                 | 0                                                                                  | 257                                                                                 | 0                                                                                   | 0                                                                                   | 99                                                                                  | 48                                                                                  |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 2                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                 | 1                                                                                 |                                                                                   | 1                                                                                  | 1                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   | 1                                                                                   |
| Detector Template          | Left                                                                              |                                                                                   |                                                                                   | Left                                                                              |                                                                                   |                                                                                   | Left                                                                               |                                                                                     |                                                                                     | Left                                                                                |                                                                                     | Right                                                                               |
| Leading Detector (ft)      | 78                                                                                | 143                                                                               |                                                                                   | 78                                                                                | 143                                                                               |                                                                                   | 20                                                                                 | 18                                                                                  |                                                                                     | 20                                                                                  | 18                                                                                  | 143                                                                                 |
| Trailing Detector (ft)     | 72                                                                                | 137                                                                               |                                                                                   | 72                                                                                | 137                                                                               |                                                                                   | 0                                                                                  | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   | 137                                                                                 |
| Detector 1 Position(ft)    | 2                                                                                 | 137                                                                               |                                                                                   | 2                                                                                 | 137                                                                               |                                                                                   | 0                                                                                  | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   | 137                                                                                 |
| Detector 1 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 20                                                                                 | 16                                                                                  |                                                                                     | 20                                                                                  | 16                                                                                  | 6                                                                                   |
| Detector 1 Type            | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                              | Extend                                                                            |                                                                                   | Cl+Ex                                                                              | Cl+Ex                                                                               |                                                                                     | Cl+Ex                                                                               | Cl+Ex                                                                               | Extend                                                                              |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Detector 2 Position(ft)    | 72                                                                                |                                                                                   |                                                                                   | 72                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Size(ft)        | 6                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Type            | Extend                                                                            |                                                                                   |                                                                                   | Extend                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Split                                                                              |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     | Perm                                                                                |

Existing Traffic Conditions  
7: OR-99 & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                         |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Protected Phases        | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                  | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     | 4                                                                                   |
| Detector Phase          | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                  | 8                                                                                   |                                                                                     | 4                                                                                   | 4                                                                                   | 4                                                                                   |
| Switch Phase            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)     | 3.0                                                                               | 10.0                                                                              |                                                                                   | 3.0                                                                               | 10.0                                                                              |                                                                                   | 3.0                                                                                | 3.0                                                                                 |                                                                                     | 3.0                                                                                 | 3.0                                                                                 | 3.0                                                                                 |
| Minimum Split (s)       | 6.5                                                                               | 20.0                                                                              |                                                                                   | 6.5                                                                               | 23.0                                                                              |                                                                                   | 30.0                                                                               | 30.0                                                                                |                                                                                     | 32.0                                                                                | 32.0                                                                                | 32.0                                                                                |
| Total Split (s)         | 9.0                                                                               | 20.0                                                                              | 0.0                                                                               | 9.0                                                                               | 20.0                                                                              | 0.0                                                                               | 30.0                                                                               | 30.0                                                                                | 0.0                                                                                 | 31.0                                                                                | 31.0                                                                                | 31.0                                                                                |
| Total Split (%)         | 10.0%                                                                             | 22.2%                                                                             | 0.0%                                                                              | 10.0%                                                                             | 22.2%                                                                             | 0.0%                                                                              | 33.3%                                                                              | 33.3%                                                                               | 0.0%                                                                                | 34.4%                                                                               | 34.4%                                                                               | 34.4%                                                                               |
| Maximum Green (s)       | 5.5                                                                               | 16.0                                                                              |                                                                                   | 5.5                                                                               | 16.0                                                                              |                                                                                   | 26.0                                                                               | 26.0                                                                                |                                                                                     | 27.0                                                                                | 27.0                                                                                | 27.0                                                                                |
| Yellow Time (s)         | 3.5                                                                               | 4.0                                                                               |                                                                                   | 3.5                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| All-Red Time (s)        | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Lost Time Adjust (s)    | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Lost Time (s)     | 3.5                                                                               | 4.0                                                                               | 4.0                                                                               | 3.5                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                                | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| Lead/Lag                | Lead                                                                              | Lag                                                                               |                                                                                   | Lead                                                                              | Lag                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lead-Lag Optimize?      | Yes                                                                               | Yes                                                                               |                                                                                   | Yes                                                                               | Yes                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)   | 2.5                                                                               | 6.0                                                                               |                                                                                   | 2.5                                                                               | 6.0                                                                               |                                                                                   | 2.5                                                                                | 2.5                                                                                 |                                                                                     | 2.5                                                                                 | 2.5                                                                                 | 2.5                                                                                 |
| Minimum Gap (s)         | 1.0                                                                               | 4.0                                                                               |                                                                                   | 1.0                                                                               | 4.0                                                                               |                                                                                   | 1.0                                                                                | 1.0                                                                                 |                                                                                     | 1.0                                                                                 | 1.0                                                                                 | 1.0                                                                                 |
| Time Before Reduce (s)  | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                | 10.0                                                                                |
| Time To Reduce (s)      | 5.0                                                                               | 20.0                                                                              |                                                                                   | 5.0                                                                               | 20.0                                                                              |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 | 5.0                                                                                 |
| Recall Mode             | None                                                                              | C-Max                                                                             |                                                                                   | None                                                                              | C-Max                                                                             |                                                                                   | None                                                                               | None                                                                                |                                                                                     | None                                                                                | None                                                                                | None                                                                                |
| Walk Time (s)           |                                                                                   | 7.0                                                                               |                                                                                   |                                                                                   | 7.0                                                                               |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 | 5.0                                                                                 |
| Flash Dont Walk (s)     |                                                                                   | 9.0                                                                               |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   | 21.0                                                                               | 21.0                                                                                |                                                                                     | 23.0                                                                                | 23.0                                                                                | 23.0                                                                                |
| Pedestrian Calls (#/hr) |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   | 0                                                                                  | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Act Effect Green (s)    | 5.2                                                                               | 39.9                                                                              |                                                                                   | 8.9                                                                               | 46.5                                                                              |                                                                                   |                                                                                    | 17.2                                                                                |                                                                                     |                                                                                     | 10.0                                                                                | 10.0                                                                                |
| Actuated g/C Ratio      | 0.06                                                                              | 0.44                                                                              |                                                                                   | 0.10                                                                              | 0.52                                                                              |                                                                                   |                                                                                    | 0.19                                                                                |                                                                                     |                                                                                     | 0.11                                                                                | 0.11                                                                                |
| v/c Ratio               | 0.39                                                                              | 0.52                                                                              |                                                                                   | 0.53                                                                              | 0.49                                                                              |                                                                                   |                                                                                    | 0.76                                                                                |                                                                                     |                                                                                     | 0.80                                                                                | 0.23                                                                                |
| Control Delay           | 51.7                                                                              | 24.1                                                                              |                                                                                   | 41.3                                                                              | 23.0                                                                              |                                                                                   |                                                                                    | 42.9                                                                                |                                                                                     |                                                                                     | 79.5                                                                                | 12.8                                                                                |
| Queue Delay             | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |
| Total Delay             | 51.7                                                                              | 24.1                                                                              |                                                                                   | 41.3                                                                              | 23.0                                                                              |                                                                                   |                                                                                    | 42.9                                                                                |                                                                                     |                                                                                     | 79.5                                                                                | 12.8                                                                                |
| LOS                     | D                                                                                 | C                                                                                 |                                                                                   | D                                                                                 | C                                                                                 |                                                                                   |                                                                                    | D                                                                                   |                                                                                     |                                                                                     | E                                                                                   | B                                                                                   |
| Approach Delay          |                                                                                   | 25.4                                                                              |                                                                                   |                                                                                   | 24.8                                                                              |                                                                                   |                                                                                    | 42.9                                                                                |                                                                                     |                                                                                     | 57.7                                                                                |                                                                                     |
| Approach LOS            |                                                                                   | C                                                                                 |                                                                                   |                                                                                   | C                                                                                 |                                                                                   |                                                                                    | D                                                                                   |                                                                                     |                                                                                     | E                                                                                   |                                                                                     |

Intersection Summary

Area Type: Other

Cycle Length: 90

Actuated Cycle Length: 90

Offset: 82 (91%), Referenced to phase 2:EBT and 6:WBT, Start of Yellow

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.80

Intersection Signal Delay: 29.5

Intersection LOS: C

Intersection Capacity Utilization 58.0%

ICU Level of Service B

Analysis Period (min) 15



Splits and Phases: 7: OR-99 & Mountain Ave

|                                                                                      |                                                                                      |                                                                                      |                                                                                        |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ø1 |  ø2 |  ø4 |  ø8 |
| 9 s                                                                                  | 20 s                                                                                 | 31 s                                                                                 | 30 s                                                                                   |
|  ø5 |  ø6 |                                                                                      |                                                                                        |
| 9 s                                                                                  | 20 s                                                                                 |                                                                                      |                                                                                        |

Existing Traffic Conditions  
7: OR-99 & Mountain Ave

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |  |
| Volume (vph)                      | 34                                                                                | 653                                                                               | 37                                                                                | 81                                                                                | 702                                                                               | 60                                                                                | 119                                                                                 | 19                                                                                  | 98                                                                                  | 57                                                                                  | 34                                                                                  | 44                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               | 3.5                                                                               | 4.0                                                                               |                                                                                   | 3.5                                                                               | 4.0                                                                               |                                                                                   |                                                                                     | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |
| Lane Util. Factor                 | 1.00                                                                              | 0.95                                                                              |                                                                                   | 1.00                                                                              | 0.95                                                                              |                                                                                   |                                                                                     | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                | 1.00                                                                                |
| Frpb, ped/bikes                   | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                     | 0.99                                                                                |                                                                                     |                                                                                     | 1.00                                                                                | 1.00                                                                                |
| Flpb, ped/bikes                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                     | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                | 1.00                                                                                |
| Frt                               | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 0.99                                                                              |                                                                                   |                                                                                     | 0.94                                                                                |                                                                                     |                                                                                     | 1.00                                                                                | 0.85                                                                                |
| Flt Protected                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   |                                                                                     | 0.98                                                                                |                                                                                     |                                                                                     | 0.97                                                                                | 1.00                                                                                |
| Satd. Flow (prot)                 | 1662                                                                              | 3245                                                                              |                                                                                   | 1662                                                                              | 3247                                                                              |                                                                                   |                                                                                     | 1602                                                                                |                                                                                     |                                                                                     | 1675                                                                                | 1488                                                                                |
| Flt Permitted                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   |                                                                                     | 0.98                                                                                |                                                                                     |                                                                                     | 0.64                                                                                | 1.00                                                                                |
| Satd. Flow (perm)                 | 1662                                                                              | 3245                                                                              |                                                                                   | 1662                                                                              | 3247                                                                              |                                                                                   |                                                                                     | 1602                                                                                |                                                                                     |                                                                                     | 1099                                                                                | 1488                                                                                |
| Peak-hour factor, PHF             | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Adj. Flow (vph)                   | 37                                                                                | 710                                                                               | 40                                                                                | 88                                                                                | 763                                                                               | 65                                                                                | 129                                                                                 | 21                                                                                  | 107                                                                                 | 62                                                                                  | 37                                                                                  | 48                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 3                                                                                 | 0                                                                                 | 0                                                                                 | 5                                                                                 | 0                                                                                 | 0                                                                                   | 32                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 43                                                                                  |
| Lane Group Flow (vph)             | 37                                                                                | 747                                                                               | 0                                                                                 | 88                                                                                | 823                                                                               | 0                                                                                 | 0                                                                                   | 225                                                                                 | 0                                                                                   | 0                                                                                   | 99                                                                                  | 5                                                                                   |
| Confl. Peds. (#/hr)               | 6                                                                                 |                                                                                   | 40                                                                                | 40                                                                                |                                                                                   | 6                                                                                 |                                                                                     |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |                                                                                     |
| Heavy Vehicles (%)                | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 2%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Turn Type                         | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Split                                                                               |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     | Perm                                                                                |
| Protected Phases                  | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                   | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     | 4                                                                                   |
| Actuated Green, G (s)             | 3.8                                                                               | 39.1                                                                              |                                                                                   | 8.9                                                                               | 44.2                                                                              |                                                                                   |                                                                                     | 17.2                                                                                |                                                                                     |                                                                                     | 9.3                                                                                 | 9.3                                                                                 |
| Effective Green, g (s)            | 3.8                                                                               | 39.1                                                                              |                                                                                   | 8.9                                                                               | 44.2                                                                              |                                                                                   |                                                                                     | 17.2                                                                                |                                                                                     |                                                                                     | 9.3                                                                                 | 9.3                                                                                 |
| Actuated g/C Ratio                | 0.04                                                                              | 0.43                                                                              |                                                                                   | 0.10                                                                              | 0.49                                                                              |                                                                                   |                                                                                     | 0.19                                                                                |                                                                                     |                                                                                     | 0.10                                                                                | 0.10                                                                                |
| Clearance Time (s)                | 3.5                                                                               | 4.0                                                                               |                                                                                   | 3.5                                                                               | 4.0                                                                               |                                                                                   |                                                                                     | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |
| Vehicle Extension (s)             | 2.5                                                                               | 6.0                                                                               |                                                                                   | 2.5                                                                               | 6.0                                                                               |                                                                                   |                                                                                     | 2.5                                                                                 |                                                                                     |                                                                                     | 2.5                                                                                 | 2.5                                                                                 |
| Lane Grp Cap (vph)                | 70                                                                                | 1410                                                                              |                                                                                   | 164                                                                               | 1595                                                                              |                                                                                   |                                                                                     | 306                                                                                 |                                                                                     |                                                                                     | 114                                                                                 | 154                                                                                 |
| v/s Ratio Prot                    | 0.02                                                                              | 0.23                                                                              |                                                                                   | c0.05                                                                             | c0.25                                                                             |                                                                                   |                                                                                     | c0.14                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/s Ratio Perm                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | c0.09                                                                               | 0.00                                                                                |
| v/c Ratio                         | 0.53                                                                              | 0.53                                                                              |                                                                                   | 0.54                                                                              | 0.52                                                                              |                                                                                   |                                                                                     | 0.73                                                                                |                                                                                     |                                                                                     | 0.87                                                                                | 0.03                                                                                |
| Uniform Delay, d1                 | 42.2                                                                              | 18.7                                                                              |                                                                                   | 38.6                                                                              | 15.6                                                                              |                                                                                   |                                                                                     | 34.2                                                                                |                                                                                     |                                                                                     | 39.7                                                                                | 36.3                                                                                |
| Progression Factor                | 1.00                                                                              | 1.00                                                                              |                                                                                   | 0.80                                                                              | 1.18                                                                              |                                                                                   |                                                                                     | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                | 1.00                                                                                |
| Incremental Delay, d2             | 5.4                                                                               | 1.4                                                                               |                                                                                   | 2.4                                                                               | 1.1                                                                               |                                                                                   |                                                                                     | 8.3                                                                                 |                                                                                     |                                                                                     | 45.3                                                                                | 0.1                                                                                 |
| Delay (s)                         | 47.6                                                                              | 20.1                                                                              |                                                                                   | 33.4                                                                              | 19.4                                                                              |                                                                                   |                                                                                     | 42.6                                                                                |                                                                                     |                                                                                     | 85.1                                                                                | 36.4                                                                                |
| Level of Service                  | D                                                                                 | C                                                                                 |                                                                                   | C                                                                                 | B                                                                                 |                                                                                   |                                                                                     | D                                                                                   |                                                                                     |                                                                                     | F                                                                                   | D                                                                                   |
| Approach Delay (s)                |                                                                                   | 21.4                                                                              |                                                                                   |                                                                                   | 20.8                                                                              |                                                                                   |                                                                                     | 42.6                                                                                |                                                                                     |                                                                                     | 69.2                                                                                |                                                                                     |
| Approach LOS                      |                                                                                   | C                                                                                 |                                                                                   |                                                                                   | C                                                                                 |                                                                                   |                                                                                     | D                                                                                   |                                                                                     |                                                                                     | E                                                                                   |                                                                                     |
| <b>Intersection Summary</b>       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 27.1                                                                              |                                                                                   |                                                                                   | HCM Level of Service                                                              |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.60                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 90.0                                                                              |                                                                                   |                                                                                   | Sum of lost time (s)                                                              |                                                                                     |                                                                                     | 11.5                                                                                |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 58.0%                                                                             |                                                                                   |                                                                                   | ICU Level of Service                                                              |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
8: OR-99 & Garfield St

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)               | 17                                                                                | 890                                                                               | 5                                                                                 | 11                                                                                | 861                                                                               | 17                                                                                | 0                                                                                  | 0                                                                                   | 0                                                                                   | 8                                                                                   | 0                                                                                   | 14                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 50                                                                                |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Frt                        |                                                                                   | 0.999                                                                             |                                                                                   |                                                                                   | 0.997                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.916                                                                               |                                                                                     |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.982                                                                               |                                                                                     |
| Satd. Flow (prot)          | 1662                                                                              | 3257                                                                              | 0                                                                                 | 1662                                                                              | 3251                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1574                                                                                | 0                                                                                   |
| Flt Permitted              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.982                                                                               |                                                                                     |
| Satd. Flow (perm)          | 1662                                                                              | 3257                                                                              | 0                                                                                 | 1662                                                                              | 3251                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1574                                                                                | 0                                                                                   |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 983                                                                               |                                                                                   |                                                                                   | 1436                                                                              |                                                                                   |                                                                                    | 455                                                                                 |                                                                                     |                                                                                     | 639                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 26.8                                                                              |                                                                                   |                                                                                   | 39.2                                                                              |                                                                                   |                                                                                    | 12.4                                                                                |                                                                                     |                                                                                     | 17.4                                                                                |                                                                                     |
| Peak Hour Factor           | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                               | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 2%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 18                                                                                | 947                                                                               | 5                                                                                 | 12                                                                                | 916                                                                               | 18                                                                                | 0                                                                                  | 0                                                                                   | 0                                                                                   | 9                                                                                   | 0                                                                                   | 15                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 18                                                                                | 952                                                                               | 0                                                                                 | 12                                                                                | 934                                                                               | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 24                                                                                  | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control               |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 36.9%

ICU Level of Service A

Analysis Period (min) 15

Existing Traffic Conditions  
8: OR-99 & Garfield St

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 17                                                                                | 890                                                                               | 5                                                                                 | 11                                                                                | 861                                                                               | 17                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 8                                                                                   | 0                                                                                   | 14                                                                                  |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                     | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                     | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                | 0.94                                                                                |
| Hourly flow rate (vph)            | 18                                                                                | 947                                                                               | 5                                                                                 | 12                                                                                | 916                                                                               | 18                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 9                                                                                   | 0                                                                                   | 15                                                                                  |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   | 983                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   | 0.91                                                                              |                                                                                   |                                                                                   | 0.91                                                                                | 0.91                                                                                | 0.91                                                                                | 0.91                                                                                | 0.91                                                                                |                                                                                     |
| vC, conflicting volume            | 934                                                                               |                                                                                   |                                                                                   | 952                                                                               |                                                                                   |                                                                                   | 1482                                                                                | 1943                                                                                | 476                                                                                 | 1458                                                                                | 1937                                                                                | 467                                                                                 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 934                                                                               |                                                                                   |                                                                                   | 761                                                                               |                                                                                   |                                                                                   | 1340                                                                                | 1845                                                                                | 241                                                                                 | 1314                                                                                | 1838                                                                                | 467                                                                                 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                   | 7.5                                                                                 | 6.5                                                                                 | 6.9                                                                                 | 7.5                                                                                 | 6.5                                                                                 | 6.9                                                                                 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |                                                                                   | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 |
| p0 queue free %                   | 98                                                                                |                                                                                   |                                                                                   | 99                                                                                |                                                                                   |                                                                                   | 100                                                                                 | 100                                                                                 | 100                                                                                 | 92                                                                                  | 100                                                                                 | 97                                                                                  |
| cM capacity (veh/h)               | 741                                                                               |                                                                                   |                                                                                   | 787                                                                               |                                                                                   |                                                                                   | 97                                                                                  | 67                                                                                  | 701                                                                                 | 105                                                                                 | 67                                                                                  | 548                                                                                 |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | EB 3                                                                              | WB 1                                                                              | WB 2                                                                              | WB 3                                                                              | SB 1                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 18                                                                                | 631                                                                               | 321                                                                               | 12                                                                                | 611                                                                               | 323                                                                               | 23                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 18                                                                                | 0                                                                                 | 0                                                                                 | 12                                                                                | 0                                                                                 | 0                                                                                 | 9                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 5                                                                                 | 0                                                                                 | 0                                                                                 | 18                                                                                | 15                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 741                                                                               | 1700                                                                              | 1700                                                                              | 787                                                                               | 1700                                                                              | 1700                                                                              | 216                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.02                                                                              | 0.37                                                                              | 0.19                                                                              | 0.01                                                                              | 0.36                                                                              | 0.19                                                                              | 0.11                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 2                                                                                 | 0                                                                                 | 0                                                                                 | 1                                                                                 | 0                                                                                 | 0                                                                                 | 9                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 10.0                                                                              | 0.0                                                                               | 0.0                                                                               | 9.6                                                                               | 0.0                                                                               | 0.0                                                                               | 23.7                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 0.2                                                                               |                                                                                   |                                                                                   | 0.1                                                                               |                                                                                   |                                                                                   | 23.7                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 0.4                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 36.9%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
9: OR-66 & OR-99

Weekday PM Peak Hour  
10/5/2010

| Lane Group                 | WBL  | WBR    | NBT    | NBR   | SBL    | SBT    | ø3 | ø5 |
|----------------------------|------|--------|--------|-------|--------|--------|----|----|
| Lane Configurations        |      | ↰↰     | ↱↱     |       | ↰↰     | ↱      |    |    |
| Volume (vph)               | 0    | 454    | 434    | 0     | 446    | 444    |    |    |
| Ideal Flow (vphpl)         | 1750 | 1750   | 1750   | 1750  | 1750   | 1750   |    |    |
| Storage Length (ft)        | 0    | 0      |        | 0     | 100    |        |    |    |
| Storage Lanes              | 0    | 2      |        | 0     | 1      |        |    |    |
| Taper Length (ft)          | 25   | 25     |        | 25    | 25     |        |    |    |
| Lane Util. Factor          | 1.00 | 0.88   | 0.95   | 0.95  | 0.97   | 1.00   |    |    |
| Ped Bike Factor            |      |        |        |       | 0.99   |        |    |    |
| Frt                        |      | 0.850  |        |       |        |        |    |    |
| Flt Protected              |      |        |        |       | 0.950  |        |    |    |
| Satd. Flow (prot)          | 0    | 2493   | 3197   | 0     | 3043   | 1699   |    |    |
| Flt Permitted              |      |        |        |       | 0.950  |        |    |    |
| Satd. Flow (perm)          | 0    | 2493   | 3197   | 0     | 3006   | 1699   |    |    |
| Right Turn on Red          |      | Yes    |        | Yes   |        |        |    |    |
| Satd. Flow (RTOR)          |      | 152    |        |       |        |        |    |    |
| Link Speed (mph)           | 30   |        | 25     |       |        | 25     |    |    |
| Link Distance (ft)         | 1002 |        | 1230   |       |        | 1436   |    |    |
| Travel Time (s)            | 22.8 |        | 33.5   |       |        | 39.2   |    |    |
| Confl. Peds. (#/hr)        | 40   | 17     |        | 18    | 18     |        |    |    |
| Peak Hour Factor           | 0.96 | 0.96   | 0.96   | 0.96  | 0.96   | 0.96   |    |    |
| Heavy Vehicles (%)         | 0%   | 5%     | 4%     | 0%    | 6%     | 3%     |    |    |
| Adj. Flow (vph)            | 0    | 473    | 452    | 0     | 465    | 462    |    |    |
| Shared Lane Traffic (%)    |      |        |        |       |        |        |    |    |
| Lane Group Flow (vph)      | 0    | 473    | 452    | 0     | 465    | 462    |    |    |
| Enter Blocked Intersection | No   | No     | No     | No    | No     | No     |    |    |
| Lane Alignment             | Left | Right  | Left   | Right | Left   | Left   |    |    |
| Median Width(ft)           | 12   |        | 24     |       |        | 24     |    |    |
| Link Offset(ft)            | 0    |        | 0      |       |        | 0      |    |    |
| Crosswalk Width(ft)        | 16   |        | 16     |       |        | 16     |    |    |
| Two way Left Turn Lane     | Yes  |        | Yes    |       |        |        |    |    |
| Headway Factor             | 1.11 | 1.11   | 1.11   | 1.11  | 1.11   | 1.11   |    |    |
| Turning Speed (mph)        | 15   | 15     |        | 15    | 15     |        |    |    |
| Number of Detectors        |      | 1      | 1      |       | 2      | 1      |    |    |
| Detector Template          |      |        |        |       | Left   |        |    |    |
| Leading Detector (ft)      |      | 183    | 143    |       | 78     | 143    |    |    |
| Trailing Detector (ft)     |      | 177    | 137    |       | 72     | 137    |    |    |
| Detector 1 Position(ft)    |      | 177    | 137    |       | 2      | 137    |    |    |
| Detector 1 Size(ft)        |      | 6      | 6      |       | 6      | 6      |    |    |
| Detector 1 Type            |      | Extend | Extend |       | Call   | Extend |    |    |
| Detector 1 Channel         |      |        |        |       |        |        |    |    |
| Detector 1 Extend (s)      |      | 0.0    | 0.0    |       | 0.0    | 0.0    |    |    |
| Detector 1 Queue (s)       |      | 0.0    | 0.0    |       | 0.0    | 0.0    |    |    |
| Detector 1 Delay (s)       |      | 0.0    | 0.0    |       | 0.0    | 0.0    |    |    |
| Detector 2 Position(ft)    |      |        |        |       | 72     |        |    |    |
| Detector 2 Size(ft)        |      |        |        |       | 6      |        |    |    |
| Detector 2 Type            |      |        |        |       | Extend |        |    |    |
| Detector 2 Channel         |      |        |        |       |        |        |    |    |
| Detector 2 Extend (s)      |      |        |        |       | 0.0    |        |    |    |
| Turn Type                  |      | Over   |        |       | Prot   |        |    |    |

Existing Traffic Conditions  
9: OR-66 & OR-99

Weekday PM Peak Hour  
10/5/2010



| Lane Group              | WBL  | WBR   | NBT   | NBR  | SBL   | SBT   | ø3   | ø5   |
|-------------------------|------|-------|-------|------|-------|-------|------|------|
| Protected Phases        |      | 3 5   | 6     |      | 3 5   | 2     | 3    | 5    |
| Permitted Phases        |      |       |       |      |       |       |      |      |
| Detector Phase          |      |       | 6     |      | 5     | 2     |      |      |
| Switch Phase            |      |       |       |      |       |       |      |      |
| Minimum Initial (s)     |      |       | 3.0   |      |       | 10.0  | 1.0  | 3.0  |
| Minimum Split (s)       |      |       | 40.0  |      |       | 14.0  | 23.0 | 7.0  |
| Total Split (s)         | 0.0  | 63.0  | 27.0  | 0.0  | 63.0  | 67.0  | 23.0 | 40.0 |
| Total Split (%)         | 0.0% | 70.0% | 30.0% | 0.0% | 70.0% | 74.4% | 26%  | 44%  |
| Maximum Green (s)       |      |       | 23.0  |      |       | 63.0  | 20.0 | 36.0 |
| Yellow Time (s)         |      |       | 4.0   |      |       | 4.0   | 3.0  | 4.0  |
| All-Red Time (s)        |      |       | 0.0   |      |       | 0.0   | 0.0  | 0.0  |
| Lost Time Adjust (s)    | 0.0  | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   |      |      |
| Total Lost Time (s)     | 4.0  | 3.0   | 4.0   | 4.0  | 3.0   | 4.0   |      |      |
| Lead/Lag                |      |       | Lead  |      |       |       |      | Lag  |
| Lead-Lag Optimize?      |      |       | Yes   |      |       |       |      | Yes  |
| Vehicle Extension (s)   |      |       | 4.0   |      |       | 6.0   | 0.2  | 2.5  |
| Minimum Gap (s)         |      |       | 2.0   |      |       | 4.0   | 0.2  | 1.0  |
| Time Before Reduce (s)  |      |       | 10.0  |      |       | 10.0  | 0.0  | 10.0 |
| Time To Reduce (s)      |      |       | 10.0  |      |       | 10.0  | 0.0  | 5.0  |
| Recall Mode             |      |       | C-Max |      |       | Min   | None | None |
| Walk Time (s)           |      |       | 5.0   |      |       |       | 5.0  |      |
| Flash Dont Walk (s)     |      |       | 31.0  |      |       |       | 15.0 |      |
| Pedestrian Calls (#/hr) |      |       | 0     |      |       |       | 0    |      |
| Act Effect Green (s)    |      | 19.3  | 63.7  |      | 19.3  | 90.0  |      |      |
| Actuated g/C Ratio      |      | 0.21  | 0.71  |      | 0.21  | 1.00  |      |      |
| v/c Ratio               |      | 0.72  | 0.20  |      | 0.71  | 0.27  |      |      |
| Control Delay           |      | 28.1  | 4.1   |      | 25.8  | 0.7   |      |      |
| Queue Delay             |      | 0.0   | 0.0   |      | 0.0   | 0.0   |      |      |
| Total Delay             |      | 28.1  | 4.1   |      | 25.8  | 0.7   |      |      |
| LOS                     |      | C     | A     |      | C     | A     |      |      |
| Approach Delay          |      |       | 4.1   |      |       | 13.3  |      |      |
| Approach LOS            |      |       | A     |      |       | B     |      |      |

Intersection Summary

Area Type: Other  
Cycle Length: 90  
Actuated Cycle Length: 90  
Offset: 28 (31%), Referenced to phase 6:NBT, Start of Yellow  
Natural Cycle: 70  
Control Type: Actuated-Coordinated  
Maximum v/c Ratio: 0.72  
Intersection Signal Delay: 14.9  
Intersection Capacity Utilization 61.5%  
Analysis Period (min) 15

Intersection LOS: B  
ICU Level of Service B

Splits and Phases: 9: OR-66 & OR-99

|                                                                                              |                                                                                                |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|  ø2<br>67 s |  ø3<br>23 s |
|  ø6<br>27 s |  ø5<br>40 s   |

Existing Traffic Conditions  
9: OR-66 & OR-99

Weekday PM Peak Hour  
10/5/2010



| Movement                          | WBL  | WBR  | NBT   | NBR  | SBL                  | SBT   |
|-----------------------------------|------|------|-------|------|----------------------|-------|
| Lane Configurations               |      | ↗↗   | ↕↕    |      | ↖↖                   | ↕     |
| Volume (vph)                      | 0    | 454  | 434   | 0    | 446                  | 444   |
| Ideal Flow (vphpl)                | 1750 | 1750 | 1750  | 1750 | 1750                 | 1750  |
| Total Lost time (s)               |      | 3.0  | 4.0   |      | 3.0                  | 4.0   |
| Lane Util. Factor                 |      | 0.88 | 0.95  |      | 0.97                 | 1.00  |
| Frpb, ped/bikes                   |      | 1.00 | 1.00  |      | 1.00                 | 1.00  |
| Flpb, ped/bikes                   |      | 1.00 | 1.00  |      | 1.00                 | 1.00  |
| Frt                               |      | 0.85 | 1.00  |      | 1.00                 | 1.00  |
| Flt Protected                     |      | 1.00 | 1.00  |      | 0.95                 | 1.00  |
| Satd. Flow (prot)                 |      | 2493 | 3197  |      | 3043                 | 1699  |
| Flt Permitted                     |      | 1.00 | 1.00  |      | 0.95                 | 1.00  |
| Satd. Flow (perm)                 |      | 2493 | 3197  |      | 3043                 | 1699  |
| Peak-hour factor, PHF             | 0.96 | 0.96 | 0.96  | 0.96 | 0.96                 | 0.96  |
| Adj. Flow (vph)                   | 0    | 473  | 452   | 0    | 465                  | 462   |
| RTOR Reduction (vph)              | 0    | 121  | 0     | 0    | 0                    | 0     |
| Lane Group Flow (vph)             | 0    | 352  | 452   | 0    | 465                  | 462   |
| Confl. Peds. (#/hr)               | 40   | 17   |       | 18   | 18                   |       |
| Heavy Vehicles (%)                | 0%   | 5%   | 4%    | 0%   | 6%                   | 3%    |
| Turn Type                         |      | Over |       |      | Prot                 |       |
| Protected Phases                  |      | 3 5  | 6     |      | 3 5                  | 2     |
| Permitted Phases                  |      |      |       |      |                      |       |
| Actuated Green, G (s)             |      | 18.3 | 63.7  |      | 18.3                 | 90.0  |
| Effective Green, g (s)            |      | 18.3 | 63.7  |      | 18.3                 | 90.0  |
| Actuated g/C Ratio                |      | 0.20 | 0.71  |      | 0.20                 | 1.00  |
| Clearance Time (s)                |      |      | 4.0   |      |                      | 4.0   |
| Vehicle Extension (s)             |      |      | 4.0   |      |                      | 6.0   |
| Lane Grp Cap (vph)                |      | 507  | 2263  |      | 619                  | 1699  |
| v/s Ratio Prot                    |      | 0.14 | 0.14  |      | c0.15                | c0.27 |
| v/s Ratio Perm                    |      |      |       |      |                      |       |
| v/c Ratio                         |      | 0.69 | 0.20  |      | 0.75                 | 0.27  |
| Uniform Delay, d1                 |      | 33.3 | 4.5   |      | 33.7                 | 0.0   |
| Progression Factor                |      | 1.00 | 0.77  |      | 0.62                 | 1.00  |
| Incremental Delay, d2             |      | 3.3  | 0.2   |      | 4.1                  | 0.2   |
| Delay (s)                         |      | 36.6 | 3.6   |      | 25.1                 | 0.2   |
| Level of Service                  |      | D    | A     |      | C                    | A     |
| Approach Delay (s)                | 36.6 |      | 3.6   |      |                      | 12.7  |
| Approach LOS                      | D    |      | A     |      |                      | B     |
| <b>Intersection Summary</b>       |      |      |       |      |                      |       |
| HCM Average Control Delay         |      |      | 16.6  |      | HCM Level of Service | B     |
| HCM Volume to Capacity ratio      |      |      | 0.37  |      |                      |       |
| Actuated Cycle Length (s)         |      |      | 90.0  |      | Sum of lost time (s) | 3.0   |
| Intersection Capacity Utilization |      |      | 61.5% |      | ICU Level of Service | B     |
| Analysis Period (min)             |      |      | 15    |      |                      |       |
| c Critical Lane Group             |      |      |       |      |                      |       |



Existing Traffic Conditions  
10: OR-99 & Walker Ave

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Volume (vph)               | 44                                                                                | 407                                                                               | 44                                                                                | 38                                                                                | 385                                                                               | 26                                                                                | 24                                                                                 | 44                                                                                  | 34                                                                                  | 27                                                                                  | 36                                                                                  | 34                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            | 0.99                                                                              | 0.99                                                                              |                                                                                   | 0.98                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.99                                                                                |                                                                                     |                                                                                     | 0.99                                                                                |                                                                                     |
| Frt                        |                                                                                   | 0.985                                                                             |                                                                                   |                                                                                   | 0.991                                                                             |                                                                                   |                                                                                    | 0.955                                                                               |                                                                                     |                                                                                     | 0.952                                                                               |                                                                                     |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.988                                                                               |                                                                                     |                                                                                     | 0.986                                                                               |                                                                                     |
| Satd. Flow (prot)          | 1662                                                                              | 1699                                                                              | 0                                                                                 | 1662                                                                              | 1682                                                                              | 0                                                                                 | 0                                                                                  | 1637                                                                                | 0                                                                                   | 0                                                                                   | 1582                                                                                | 0                                                                                   |
| Flt Permitted              | 0.498                                                                             |                                                                                   |                                                                                   | 0.469                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.934                                                                               |                                                                                     |                                                                                     | 0.923                                                                               |                                                                                     |
| Satd. Flow (perm)          | 859                                                                               | 1699                                                                              | 0                                                                                 | 806                                                                               | 1682                                                                              | 0                                                                                 | 0                                                                                  | 1547                                                                                | 0                                                                                   | 0                                                                                   | 1479                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 20                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 37                                                                                  |                                                                                     |                                                                                     | 37                                                                                  |                                                                                     |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 30                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 1230                                                                              |                                                                                   |                                                                                   | 5391                                                                              |                                                                                   |                                                                                    | 850                                                                                 |                                                                                     |                                                                                     | 689                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 33.5                                                                              |                                                                                   |                                                                                   | 122.5                                                                             |                                                                                   |                                                                                    | 23.2                                                                                |                                                                                     |                                                                                     | 18.8                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 32                                                                                |                                                                                   | 38                                                                                | 38                                                                                |                                                                                   | 32                                                                                | 3                                                                                  |                                                                                     | 8                                                                                   | 8                                                                                   |                                                                                     | 3                                                                                   |
| Peak Hour Factor           | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 3%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 9%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 48                                                                                | 442                                                                               | 48                                                                                | 41                                                                                | 418                                                                               | 28                                                                                | 26                                                                                 | 48                                                                                  | 37                                                                                  | 29                                                                                  | 39                                                                                  | 37                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 48                                                                                | 490                                                                               | 0                                                                                 | 41                                                                                | 446                                                                               | 0                                                                                 | 0                                                                                  | 111                                                                                 | 0                                                                                   | 0                                                                                   | 105                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 2                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                 | 1                                                                                 |                                                                                   | 1                                                                                  | 1                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |
| Detector Template          | Left                                                                              |                                                                                   |                                                                                   | Left                                                                              |                                                                                   |                                                                                   | Left                                                                               |                                                                                     |                                                                                     | Left                                                                                |                                                                                     |                                                                                     |
| Leading Detector (ft)      | 78                                                                                | 143                                                                               |                                                                                   | 78                                                                                | 183                                                                               |                                                                                   | 20                                                                                 | 18                                                                                  |                                                                                     | 20                                                                                  | 18                                                                                  |                                                                                     |
| Trailing Detector (ft)     | 72                                                                                | 137                                                                               |                                                                                   | 72                                                                                | 177                                                                               |                                                                                   | 0                                                                                  | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Position(ft)    | 2                                                                                 | 137                                                                               |                                                                                   | 2                                                                                 | 177                                                                               |                                                                                   | 0                                                                                  | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 20                                                                                 | 16                                                                                  |                                                                                     | 20                                                                                  | 16                                                                                  |                                                                                     |
| Detector 1 Type            | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                              | Extend                                                                            |                                                                                   | Cl+Ex                                                                              | Cl+Ex                                                                               |                                                                                     | Cl+Ex                                                                               | Cl+Ex                                                                               |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 2 Position(ft)    | 72                                                                                |                                                                                   |                                                                                   | 72                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Size(ft)        | 6                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Type            | Extend                                                                            |                                                                                   |                                                                                   | Extend                                                                            |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                               |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |

Existing Traffic Conditions  
10: OR-99 & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                         |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Protected Phases        |                                                                                   | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                    | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases        | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Detector Phase          | 2                                                                                 | 2                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                  | 8                                                                                   |                                                                                     | 4                                                                                   | 4                                                                                   |                                                                                     |
| Switch Phase            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)     | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 |                                                                                     |
| Minimum Split (s)       | 27.0                                                                              | 27.0                                                                              |                                                                                   | 29.0                                                                              | 29.0                                                                              |                                                                                   | 32.0                                                                               | 32.0                                                                                |                                                                                     | 31.0                                                                                | 31.0                                                                                |                                                                                     |
| Total Split (s)         | 29.0                                                                              | 29.0                                                                              | 0.0                                                                               | 29.0                                                                              | 29.0                                                                              | 0.0                                                                               | 16.0                                                                               | 16.0                                                                                | 0.0                                                                                 | 16.0                                                                                | 16.0                                                                                | 0.0                                                                                 |
| Total Split (%)         | 64.4%                                                                             | 64.4%                                                                             | 0.0%                                                                              | 64.4%                                                                             | 64.4%                                                                             | 0.0%                                                                              | 35.6%                                                                              | 35.6%                                                                               | 0.0%                                                                                | 35.6%                                                                               | 35.6%                                                                               | 0.0%                                                                                |
| Maximum Green (s)       | 25.0                                                                              | 25.0                                                                              |                                                                                   | 25.0                                                                              | 25.0                                                                              |                                                                                   | 12.0                                                                               | 12.0                                                                                |                                                                                     | 12.0                                                                                | 12.0                                                                                |                                                                                     |
| Yellow Time (s)         | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| All-Red Time (s)        | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Lost Time Adjust (s)    | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Lost Time (s)     | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                                | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| Lead/Lag                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lead-Lag Optimize?      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)   | 6.9                                                                               | 6.9                                                                               |                                                                                   | 6.9                                                                               | 6.9                                                                               |                                                                                   | 2.5                                                                                | 2.5                                                                                 |                                                                                     | 3.0                                                                                 | 3.0                                                                                 |                                                                                     |
| Minimum Gap (s)         | 4.9                                                                               | 4.9                                                                               |                                                                                   | 4.9                                                                               | 4.9                                                                               |                                                                                   | 1.0                                                                                | 1.0                                                                                 |                                                                                     | 3.0                                                                                 | 3.0                                                                                 |                                                                                     |
| Time Before Reduce (s)  | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Time To Reduce (s)      | 20.0                                                                              | 20.0                                                                              |                                                                                   | 20.0                                                                              | 20.0                                                                              |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Recall Mode             | C-Max                                                                             | C-Max                                                                             |                                                                                   | C-Max                                                                             | C-Max                                                                             |                                                                                   | None                                                                               | None                                                                                |                                                                                     | None                                                                                | None                                                                                |                                                                                     |
| Walk Time (s)           | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 |                                                                                     |
| Flash Dont Walk (s)     | 18.0                                                                              | 18.0                                                                              |                                                                                   | 20.0                                                                              | 20.0                                                                              |                                                                                   | 23.0                                                                               | 23.0                                                                                |                                                                                     | 22.0                                                                                | 22.0                                                                                |                                                                                     |
| Pedestrian Calls (#/hr) | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                  | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     |
| Act Effect Green (s)    | 34.8                                                                              | 34.8                                                                              |                                                                                   | 34.8                                                                              | 34.8                                                                              |                                                                                   |                                                                                    | 7.5                                                                                 |                                                                                     |                                                                                     | 7.7                                                                                 |                                                                                     |
| Actuated g/C Ratio      | 0.77                                                                              | 0.77                                                                              |                                                                                   | 0.77                                                                              | 0.77                                                                              |                                                                                   |                                                                                    | 0.17                                                                                |                                                                                     |                                                                                     | 0.17                                                                                |                                                                                     |
| v/c Ratio               | 0.07                                                                              | 0.37                                                                              |                                                                                   | 0.07                                                                              | 0.34                                                                              |                                                                                   |                                                                                    | 0.38                                                                                |                                                                                     |                                                                                     | 0.37                                                                                |                                                                                     |
| Control Delay           | 2.5                                                                               | 3.3                                                                               |                                                                                   | 3.9                                                                               | 4.5                                                                               |                                                                                   |                                                                                    | 15.3                                                                                |                                                                                     |                                                                                     | 14.9                                                                                |                                                                                     |
| Queue Delay             | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     | 0.0                                                                                 |                                                                                     |
| Total Delay             | 2.5                                                                               | 3.3                                                                               |                                                                                   | 3.9                                                                               | 4.5                                                                               |                                                                                   |                                                                                    | 15.3                                                                                |                                                                                     |                                                                                     | 14.9                                                                                |                                                                                     |
| LOS                     | A                                                                                 | A                                                                                 |                                                                                   | A                                                                                 | A                                                                                 |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| Approach Delay          |                                                                                   | 3.3                                                                               |                                                                                   |                                                                                   | 4.5                                                                               |                                                                                   |                                                                                    | 15.3                                                                                |                                                                                     |                                                                                     | 14.9                                                                                |                                                                                     |
| Approach LOS            |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |

Intersection Summary

Area Type: Other

Cycle Length: 45

Actuated Cycle Length: 45

Offset: 0 (0%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 65

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.38

Intersection Signal Delay: 5.8

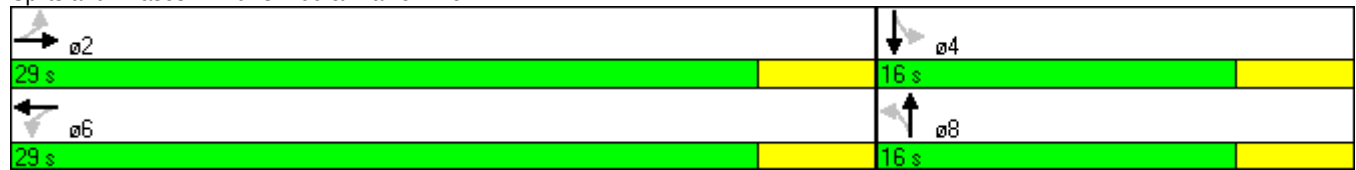
Intersection LOS: A

Intersection Capacity Utilization 56.5%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 10: OR-99 & Walker Ave



Existing Traffic Conditions  
10: OR-99 & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 44                                                                                | 407                                                                               | 44                                                                                | 38                                                                                | 385                                                                               | 26                                                                                | 24                                                                                 | 44                                                                                  | 34                                                                                  | 27                                                                                  | 36                                                                                  | 34                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frpb, ped/bikes                   | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.99                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Flpb, ped/bikes                   | 0.98                                                                              | 1.00                                                                              |                                                                                   | 0.98                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frt                               | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 0.99                                                                              |                                                                                   |                                                                                    | 0.95                                                                                |                                                                                     |                                                                                     | 0.95                                                                                |                                                                                     |
| Flt Protected                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.99                                                                                |                                                                                     |                                                                                     | 0.99                                                                                |                                                                                     |
| Satd. Flow (prot)                 | 1637                                                                              | 1699                                                                              |                                                                                   | 1632                                                                              | 1681                                                                              |                                                                                   |                                                                                    | 1637                                                                                |                                                                                     |                                                                                     | 1581                                                                                |                                                                                     |
| Flt Permitted                     | 0.50                                                                              | 1.00                                                                              |                                                                                   | 0.47                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.93                                                                                |                                                                                     |                                                                                     | 0.92                                                                                |                                                                                     |
| Satd. Flow (perm)                 | 858                                                                               | 1699                                                                              |                                                                                   | 806                                                                               | 1681                                                                              |                                                                                   |                                                                                    | 1547                                                                                |                                                                                     |                                                                                     | 1480                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Adj. Flow (vph)                   | 48                                                                                | 442                                                                               | 48                                                                                | 41                                                                                | 418                                                                               | 28                                                                                | 26                                                                                 | 48                                                                                  | 37                                                                                  | 29                                                                                  | 39                                                                                  | 37                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 6                                                                                 | 0                                                                                 | 0                                                                                 | 4                                                                                 | 0                                                                                 | 0                                                                                  | 33                                                                                  | 0                                                                                   | 0                                                                                   | 33                                                                                  | 0                                                                                   |
| Lane Group Flow (vph)             | 48                                                                                | 484                                                                               | 0                                                                                 | 41                                                                                | 442                                                                               | 0                                                                                 | 0                                                                                  | 78                                                                                  | 0                                                                                   | 0                                                                                   | 72                                                                                  | 0                                                                                   |
| Confl. Peds. (#/hr)               | 32                                                                                |                                                                                   | 38                                                                                | 38                                                                                |                                                                                   | 32                                                                                | 3                                                                                  |                                                                                     | 8                                                                                   | 8                                                                                   |                                                                                     | 3                                                                                   |
| Heavy Vehicles (%)                | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 3%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 9%                                                                                  | 0%                                                                                  |
| Turn Type                         | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                               |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |
| Protected Phases                  | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Permitted Phases                  | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Actuated Green, G (s)             | 31.6                                                                              | 31.6                                                                              |                                                                                   | 31.6                                                                              | 31.6                                                                              |                                                                                   |                                                                                    | 5.4                                                                                 |                                                                                     |                                                                                     | 5.4                                                                                 |                                                                                     |
| Effective Green, g (s)            | 31.6                                                                              | 31.6                                                                              |                                                                                   | 31.6                                                                              | 31.6                                                                              |                                                                                   |                                                                                    | 5.4                                                                                 |                                                                                     |                                                                                     | 5.4                                                                                 |                                                                                     |
| Actuated g/C Ratio                | 0.70                                                                              | 0.70                                                                              |                                                                                   | 0.70                                                                              | 0.70                                                                              |                                                                                   |                                                                                    | 0.12                                                                                |                                                                                     |                                                                                     | 0.12                                                                                |                                                                                     |
| Clearance Time (s)                | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Vehicle Extension (s)             | 6.9                                                                               | 6.9                                                                               |                                                                                   | 6.9                                                                               | 6.9                                                                               |                                                                                   |                                                                                    | 2.5                                                                                 |                                                                                     |                                                                                     | 3.0                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                | 603                                                                               | 1193                                                                              |                                                                                   | 566                                                                               | 1180                                                                              |                                                                                   |                                                                                    | 186                                                                                 |                                                                                     |                                                                                     | 178                                                                                 |                                                                                     |
| v/s Ratio Prot                    | c0.28                                                                             |                                                                                   |                                                                                   | 0.26                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/s Ratio Perm                    | 0.06                                                                              |                                                                                   |                                                                                   | 0.05                                                                              |                                                                                   |                                                                                   |                                                                                    | c0.05                                                                               |                                                                                     |                                                                                     | 0.05                                                                                |                                                                                     |
| v/c Ratio                         | 0.08                                                                              | 0.41                                                                              |                                                                                   | 0.07                                                                              | 0.37                                                                              |                                                                                   |                                                                                    | 0.42                                                                                |                                                                                     |                                                                                     | 0.41                                                                                |                                                                                     |
| Uniform Delay, d1                 | 2.1                                                                               | 2.8                                                                               |                                                                                   | 2.1                                                                               | 2.7                                                                               |                                                                                   |                                                                                    | 18.4                                                                                |                                                                                     |                                                                                     | 18.3                                                                                |                                                                                     |
| Progression Factor                | 0.68                                                                              | 0.74                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             | 0.3                                                                               | 1.0                                                                               |                                                                                   | 0.2                                                                               | 0.9                                                                               |                                                                                   |                                                                                    | 1.1                                                                                 |                                                                                     |                                                                                     | 1.5                                                                                 |                                                                                     |
| Delay (s)                         | 1.7                                                                               | 3.1                                                                               |                                                                                   | 2.4                                                                               | 3.6                                                                               |                                                                                   |                                                                                    | 19.5                                                                                |                                                                                     |                                                                                     | 19.8                                                                                |                                                                                     |
| Level of Service                  | A                                                                                 | A                                                                                 |                                                                                   | A                                                                                 | A                                                                                 |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| Approach Delay (s)                | 3.0                                                                               |                                                                                   |                                                                                   | 3.5                                                                               |                                                                                   |                                                                                   |                                                                                    | 19.5                                                                                |                                                                                     |                                                                                     | 19.8                                                                                |                                                                                     |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 6.1                                                                               | HCM Level of Service                                                              |                                                                                   |                                                                                   | A                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.41                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 45.0                                                                              | Sum of lost time (s)                                                              |                                                                                   |                                                                                   | 8.0                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 56.5%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   | B                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
11: OR-99 & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Volume (vph)               | 87                                                                                | 108                                                                               | 29                                                                                | 1                                                                                 | 122                                                                               | 27                                                                                | 21                                                                                 | 27                                                                                  | 4                                                                                   | 34                                                                                  | 39                                                                                  | 125                                                                                 |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 160                                                                                 |
| Storage Lanes              | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 1                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Frt                        |                                                                                   | 0.982                                                                             |                                                                                   |                                                                                   | 0.976                                                                             |                                                                                   |                                                                                    | 0.990                                                                               |                                                                                     |                                                                                     |                                                                                     | 0.850                                                                               |
| Flt Protected              |                                                                                   | 0.981                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.980                                                                               |                                                                                     |                                                                                     | 0.977                                                                               |                                                                                     |
| Satd. Flow (prot)          | 0                                                                                 | 1634                                                                              | 0                                                                                 | 0                                                                                 | 1615                                                                              | 0                                                                                 | 0                                                                                  | 1664                                                                                | 0                                                                                   | 0                                                                                   | 1612                                                                                | 1444                                                                                |
| Flt Permitted              |                                                                                   | 0.981                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.980                                                                               |                                                                                     |                                                                                     | 0.977                                                                               |                                                                                     |
| Satd. Flow (perm)          | 0                                                                                 | 1634                                                                              | 0                                                                                 | 0                                                                                 | 1615                                                                              | 0                                                                                 | 0                                                                                  | 1664                                                                                | 0                                                                                   | 0                                                                                   | 1612                                                                                | 1444                                                                                |
| Link Speed (mph)           |                                                                                   | 35                                                                                |                                                                                   |                                                                                   | 35                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 20                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 5391                                                                              |                                                                                   |                                                                                   | 939                                                                               |                                                                                   |                                                                                    | 1137                                                                                |                                                                                     |                                                                                     | 2513                                                                                |                                                                                     |
| Travel Time (s)            |                                                                                   | 105.0                                                                             |                                                                                   |                                                                                   | 18.3                                                                              |                                                                                   |                                                                                    | 31.0                                                                                |                                                                                     |                                                                                     | 85.7                                                                                |                                                                                     |
| Peak Hour Factor           | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)         | 2%                                                                                | 5%                                                                                | 0%                                                                                | 0%                                                                                | 4%                                                                                | 14%                                                                               | 5%                                                                                 | 0%                                                                                  | 0%                                                                                  | 13%                                                                                 | 0%                                                                                  | 3%                                                                                  |
| Adj. Flow (vph)            | 92                                                                                | 114                                                                               | 31                                                                                | 1                                                                                 | 128                                                                               | 28                                                                                | 22                                                                                 | 28                                                                                  | 4                                                                                   | 36                                                                                  | 41                                                                                  | 132                                                                                 |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 0                                                                                 | 237                                                                               | 0                                                                                 | 0                                                                                 | 157                                                                               | 0                                                                                 | 0                                                                                  | 54                                                                                  | 0                                                                                   | 0                                                                                   | 77                                                                                  | 132                                                                                 |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control               |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 41.9% ICU Level of Service A

Analysis Period (min) 15

Existing Traffic Conditions  
11: OR-99 & Tolman Creek Rd

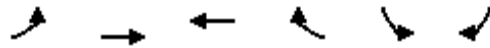
Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Volume (veh/h)                    | 87                                                                                | 108                                                                               | 29                                                                                | 1                                                                                 | 122                                                                               | 27                                                                                | 21                                                                                 | 27                                                                                  | 4                                                                                   | 34                                                                                  | 39                                                                                  | 125                                                                                 |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Hourly flow rate (vph)            | 92                                                                                | 114                                                                               | 31                                                                                | 1                                                                                 | 128                                                                               | 28                                                                                | 22                                                                                 | 28                                                                                  | 4                                                                                   | 36                                                                                  | 41                                                                                  | 132                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6                                                                                   |
| Median type                       |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 157                                                                               |                                                                                   |                                                                                   | 144                                                                               |                                                                                   |                                                                                   | 477                                                                                | 471                                                                                 | 129                                                                                 | 475                                                                                 | 472                                                                                 | 143                                                                                 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 157                                                                               |                                                                                   |                                                                                   | 144                                                                               |                                                                                   |                                                                                   | 477                                                                                | 471                                                                                 | 129                                                                                 | 475                                                                                 | 472                                                                                 | 143                                                                                 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                   | 7.1                                                                                | 6.5                                                                                 | 6.2                                                                                 | 7.2                                                                                 | 6.5                                                                                 | 6.2                                                                                 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |                                                                                   | 3.5                                                                                | 4.0                                                                                 | 3.3                                                                                 | 3.6                                                                                 | 4.0                                                                                 | 3.3                                                                                 |
| p0 queue free %                   | 94                                                                                |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   | 94                                                                                 | 94                                                                                  | 100                                                                                 | 92                                                                                  | 91                                                                                  | 85                                                                                  |
| cM capacity (veh/h)               | 1423                                                                              |                                                                                   |                                                                                   | 1451                                                                              |                                                                                   |                                                                                   | 373                                                                                | 462                                                                                 | 926                                                                                 | 435                                                                                 | 461                                                                                 | 902                                                                                 |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 236                                                                               | 158                                                                               | 55                                                                                | 208                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 92                                                                                | 1                                                                                 | 22                                                                                | 36                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 31                                                                                | 28                                                                                | 4                                                                                 | 132                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 1423                                                                              | 1451                                                                              | 437                                                                               | 1217                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.06                                                                              | 0.00                                                                              | 0.13                                                                              | 0.17                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 5                                                                                 | 0                                                                                 | 11                                                                                | 15                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 3.3                                                                               | 0.1                                                                               | 14.4                                                                              | 11.5                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | A                                                                                 | A                                                                                 | B                                                                                 | B                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 3.3                                                                               | 0.1                                                                               | 14.4                                                                              | 11.5                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      |                                                                                   |                                                                                   | B                                                                                 | B                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 6.1                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 41.9%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                    |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
12: OR-99 & Mistletoe Rd

Weekday PM Peak Hour

10/5/2010



| Lane Group                 | EBL  | EBT   | WBT   | WBR   | SBL   | SBR   |
|----------------------------|------|-------|-------|-------|-------|-------|
| Lane Configurations        |      |       |       |       |       |       |
| Volume (vph)               | 14   | 137   | 143   | 7     | 8     | 22    |
| Ideal Flow (vphpl)         | 1750 | 1750  | 1750  | 1750  | 1750  | 1750  |
| Lane Util. Factor          | 1.00 | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  |
| Ped Bike Factor            |      |       |       |       |       |       |
| Frt                        |      |       | 0.993 |       | 0.901 |       |
| Flt Protected              |      | 0.995 |       |       | 0.987 |       |
| Satd. Flow (prot)          | 0    | 1693  | 1738  | 0     | 1556  | 0     |
| Flt Permitted              |      | 0.995 |       |       | 0.987 |       |
| Satd. Flow (perm)          | 0    | 1693  | 1738  | 0     | 1556  | 0     |
| Link Speed (mph)           |      | 35    | 40    |       | 25    |       |
| Link Distance (ft)         |      | 939   | 1070  |       | 511   |       |
| Travel Time (s)            |      | 18.3  | 18.2  |       | 13.9  |       |
| Confl. Peds. (#/hr)        |      |       |       |       |       | 1     |
| Confl. Bikes (#/hr)        |      |       | 1     | 43    |       |       |
| Peak Hour Factor           | 0.82 | 0.82  | 0.82  | 0.82  | 0.82  | 0.82  |
| Heavy Vehicles (%)         | 31%  | 0%    | 0%    | 0%    | 0%    | 0%    |
| Adj. Flow (vph)            | 17   | 167   | 174   | 9     | 10    | 27    |
| Shared Lane Traffic (%)    |      |       |       |       |       |       |
| Lane Group Flow (vph)      | 0    | 184   | 183   | 0     | 37    | 0     |
| Enter Blocked Intersection | No   | No    | No    | No    | No    | No    |
| Lane Alignment             | Left | Left  | Left  | Right | Left  | Right |
| Median Width(ft)           |      | 0     | 0     |       | 12    |       |
| Link Offset(ft)            |      | 0     | 0     |       | 0     |       |
| Crosswalk Width(ft)        |      | 16    | 16    |       | 16    |       |
| Two way Left Turn Lane     |      |       |       |       |       |       |
| Headway Factor             | 1.11 | 1.11  | 1.11  | 1.11  | 1.11  | 1.11  |
| Turning Speed (mph)        | 15   |       |       | 15    | 15    | 15    |
| Sign Control               |      | Free  | Free  |       | Stop  |       |

Intersection Summary

Area Type: Other

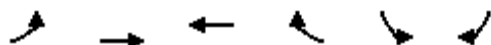
Control Type: Unsignalized

Intersection Capacity Utilization 30.8% ICU Level of Service A

Analysis Period (min) 15

Existing Traffic Conditions  
12: OR-99 & Mistletoe Rd

Weekday PM Peak Hour  
10/5/2010



| Movement                          | EBL  | EBT                                                                               | WBT                                                                               | WBR                  | SBL                                                                               | SBR  |
|-----------------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|------|
| Lane Configurations               |      |  |  |                      |  |      |
| Volume (veh/h)                    | 14   | 137                                                                               | 143                                                                               | 7                    | 8                                                                                 | 22   |
| Sign Control                      |      | Free                                                                              | Free                                                                              |                      | Stop                                                                              |      |
| Grade                             |      | 0%                                                                                | 0%                                                                                |                      | 0%                                                                                |      |
| Peak Hour Factor                  | 0.82 | 0.82                                                                              | 0.82                                                                              | 0.82                 | 0.82                                                                              | 0.82 |
| Hourly flow rate (vph)            | 17   | 167                                                                               | 174                                                                               | 9                    | 10                                                                                | 27   |
| Pedestrians                       |      | 1                                                                                 |                                                                                   |                      |                                                                                   |      |
| Lane Width (ft)                   |      | 12.0                                                                              |                                                                                   |                      |                                                                                   |      |
| Walking Speed (ft/s)              |      | 4.0                                                                               |                                                                                   |                      |                                                                                   |      |
| Percent Blockage                  |      | 0                                                                                 |                                                                                   |                      |                                                                                   |      |
| Right turn flare (veh)            |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| Median type                       |      | None                                                                              | None                                                                              |                      |                                                                                   |      |
| Median storage (veh)              |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| Upstream signal (ft)              |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| pX, platoon unblocked             |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| vC, conflicting volume            | 183  |                                                                                   |                                                                                   |                      | 380                                                                               | 180  |
| vC1, stage 1 conf vol             |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| vC2, stage 2 conf vol             |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| vCu, unblocked vol                | 183  |                                                                                   |                                                                                   |                      | 380                                                                               | 180  |
| tC, single (s)                    | 4.4  |                                                                                   |                                                                                   |                      | 6.4                                                                               | 6.2  |
| tC, 2 stage (s)                   |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| tF (s)                            | 2.5  |                                                                                   |                                                                                   |                      | 3.5                                                                               | 3.3  |
| p0 queue free %                   | 99   |                                                                                   |                                                                                   |                      | 98                                                                                | 97   |
| cM capacity (veh/h)               | 1235 |                                                                                   |                                                                                   |                      | 617                                                                               | 868  |
| Direction, Lane #                 | EB 1 | WB 1                                                                              | SB 1                                                                              |                      |                                                                                   |      |
| Volume Total                      | 184  | 183                                                                               | 37                                                                                |                      |                                                                                   |      |
| Volume Left                       | 17   | 0                                                                                 | 10                                                                                |                      |                                                                                   |      |
| Volume Right                      | 0    | 9                                                                                 | 27                                                                                |                      |                                                                                   |      |
| cSH                               | 1235 | 1700                                                                              | 783                                                                               |                      |                                                                                   |      |
| Volume to Capacity                | 0.01 | 0.11                                                                              | 0.05                                                                              |                      |                                                                                   |      |
| Queue Length 95th (ft)            | 1    | 0                                                                                 | 4                                                                                 |                      |                                                                                   |      |
| Control Delay (s)                 | 0.8  | 0.0                                                                               | 9.8                                                                               |                      |                                                                                   |      |
| Lane LOS                          | A    |                                                                                   | A                                                                                 |                      |                                                                                   |      |
| Approach Delay (s)                | 0.8  | 0.0                                                                               | 9.8                                                                               |                      |                                                                                   |      |
| Approach LOS                      |      |                                                                                   | A                                                                                 |                      |                                                                                   |      |
| Intersection Summary              |      |                                                                                   |                                                                                   |                      |                                                                                   |      |
| Average Delay                     |      |                                                                                   | 1.3                                                                               |                      |                                                                                   |      |
| Intersection Capacity Utilization |      |                                                                                   | 30.8%                                                                             | ICU Level of Service | A                                                                                 |      |
| Analysis Period (min)             |      |                                                                                   | 15                                                                                |                      |                                                                                   |      |
|                                   |      |                                                                                   |                                                                                   |                      |                                                                                   |      |



Existing Traffic Conditions  
13: Nevada St & Oak St

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 30                                                                                | 0                                                                                 | 29                                                                                | 1                                                                                 | 0                                                                                 | 1                                                                                 | 26                                                                                 | 103                                                                                 | 4                                                                                   | 1                                                                                   | 111                                                                                 | 63                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.934                                                                             |                                                                                   |                                                                                   | 0.932                                                                             |                                                                                   |                                                                                    | 0.996                                                                               |                                                                                     |                                                                                     | 0.951                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.975                                                                             |                                                                                   |                                                                                   | 0.976                                                                             |                                                                                   |                                                                                    | 0.990                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1489                                                                              | 0                                                                                 | 0                                                                                 | 1592                                                                              | 0                                                                                 | 0                                                                                  | 1712                                                                                | 0                                                                                   | 0                                                                                   | 1632                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.975                                                                             |                                                                                   |                                                                                   | 0.976                                                                             |                                                                                   |                                                                                    | 0.990                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1489                                                                              | 0                                                                                 | 0                                                                                 | 1592                                                                              | 0                                                                                 | 0                                                                                  | 1712                                                                                | 0                                                                                   | 0                                                                                   | 1632                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 35                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 783                                                                               |                                                                                   |                                                                                   | 636                                                                               |                                                                                   |                                                                                    | 1804                                                                                |                                                                                     |                                                                                     | 749                                                                                 |                                                                                     |
| Travel Time (s)                   |                                                                                   | 21.4                                                                              |                                                                                   |                                                                                   | 17.3                                                                              |                                                                                   |                                                                                    | 49.2                                                                                |                                                                                     |                                                                                     | 14.6                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               |                                                                                   |                                                                                   | 4                                                                                 | 4                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Peak Hour Factor                  | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                               | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Heavy Vehicles (%)                | 10%                                                                               | 0%                                                                                | 4%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                 | 1%                                                                                  | 0%                                                                                  | 0%                                                                                  | 2%                                                                                  | 2%                                                                                  |
| Adj. Flow (vph)                   | 34                                                                                | 0                                                                                 | 33                                                                                | 1                                                                                 | 0                                                                                 | 1                                                                                 | 29                                                                                 | 116                                                                                 | 4                                                                                   | 1                                                                                   | 125                                                                                 | 71                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 67                                                                                | 0                                                                                 | 0                                                                                 | 2                                                                                 | 0                                                                                 | 0                                                                                  | 149                                                                                 | 0                                                                                   | 0                                                                                   | 197                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 34.2%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
13: Nevada St & Oak St

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 30                                                                                | 0                                                                                 | 29                                                                                | 1                                                                                 | 0                                                                                 | 1                                                                                 | 26                                                                                 | 103                                                                                 | 4                                                                                   | 1                                                                                   | 111                                                                                 | 63                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                               | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Hourly flow rate (vph)            | 34                                                                                | 0                                                                                 | 33                                                                                | 1                                                                                 | 0                                                                                 | 1                                                                                 | 29                                                                                 | 116                                                                                 | 4                                                                                   | 1                                                                                   | 125                                                                                 | 71                                                                                  |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 4                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 12.0                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 340                                                                               | 341                                                                               | 164                                                                               | 375                                                                               | 374                                                                               | 118                                                                               | 196                                                                                |                                                                                     |                                                                                     | 120                                                                                 |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 340                                                                               | 341                                                                               | 164                                                                               | 375                                                                               | 374                                                                               | 118                                                                               | 196                                                                                |                                                                                     |                                                                                     | 120                                                                                 |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.2                                                                               | 6.5                                                                               | 6.2                                                                               | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 4.1                                                                                |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.6                                                                               | 4.0                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 94                                                                                | 100                                                                               | 96                                                                                | 100                                                                               | 100                                                                               | 100                                                                               | 98                                                                                 |                                                                                     |                                                                                     | 100                                                                                 |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 588                                                                               | 571                                                                               | 872                                                                               | 552                                                                               | 548                                                                               | 939                                                                               | 1390                                                                               |                                                                                     |                                                                                     | 1480                                                                                |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 66                                                                                | 2                                                                                 | 149                                                                               | 197                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 34                                                                                | 1                                                                                 | 29                                                                                | 1                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 33                                                                                | 1                                                                                 | 4                                                                                 | 71                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 701                                                                               | 696                                                                               | 1390                                                                              | 1480                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.09                                                                              | 0.00                                                                              | 0.02                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 8                                                                                 | 0                                                                                 | 2                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 10.7                                                                              | 10.2                                                                              | 1.6                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | B                                                                                 | B                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 10.7                                                                              | 10.2                                                                              | 1.6                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | B                                                                                 | B                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 2.4                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 34.2%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
14: Hersey St & Oak St

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |   |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)                      | 12                                                                                | 82                                                                                | 38                                                                                | 34                                                                                | 119                                                                               | 62                                                                                | 47                                                                                  | 105                                                                                 | 7                                                                                   | 65                                                                                  | 89                                                                                  | 12                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)               | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                                 |                                                                                     | 0                                                                                   | 100                                                                                 |                                                                                     | 0                                                                                   |
| Storage Lanes                     | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                   |                                                                                     | 0                                                                                   | 1                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)                 | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                  |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Frt                               |                                                                                   | 0.953                                                                             |                                                                                   |                                                                                   | 0.949                                                                             |                                                                                   |                                                                                     | 0.991                                                                               |                                                                                     |                                                                                     | 0.982                                                                               |                                                                                     |
| Flt Protected                     | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                               |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 1662                                                                              | 1656                                                                              | 0                                                                                 | 1662                                                                              | 1639                                                                              | 0                                                                                 | 1630                                                                                | 1687                                                                                | 0                                                                                   | 1539                                                                                | 1718                                                                                | 0                                                                                   |
| Flt Permitted                     | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                               |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 1662                                                                              | 1656                                                                              | 0                                                                                 | 1662                                                                              | 1639                                                                              | 0                                                                                 | 1630                                                                                | 1687                                                                                | 0                                                                                   | 1539                                                                                | 1718                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                |                                                                                   |                                                                                     | 30                                                                                  |                                                                                     |                                                                                     | 30                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 563                                                                               |                                                                                   |                                                                                   | 2704                                                                              |                                                                                   |                                                                                     | 680                                                                                 |                                                                                     |                                                                                     | 1510                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 12.8                                                                              |                                                                                   |                                                                                   | 61.5                                                                              |                                                                                   |                                                                                     | 15.5                                                                                |                                                                                     |                                                                                     | 34.3                                                                                |                                                                                     |
| Peak Hour Factor                  | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 0%                                                                                | 2%                                                                                  | 3%                                                                                  | 0%                                                                                  | 8%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 14                                                                                | 95                                                                                | 44                                                                                | 40                                                                                | 138                                                                               | 72                                                                                | 55                                                                                  | 122                                                                                 | 8                                                                                   | 76                                                                                  | 103                                                                                 | 14                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 14                                                                                | 139                                                                               | 0                                                                                 | 40                                                                                | 210                                                                               | 0                                                                                 | 55                                                                                  | 130                                                                                 | 0                                                                                   | 76                                                                                  | 117                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                                | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                     | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                     | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                  |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 28.1%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ICU Level of Service A                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
14: Hersey St & Oak St

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |   |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |                                                                                     |
| Volume (vph)                      | 12                                                                                | 82                                                                                | 38                                                                                | 34                                                                                | 119                                                                               | 62                                                                                | 47                                                                                  | 105                                                                                 | 7                                                                                   | 65                                                                                  | 89                                                                                  | 12                                                                                  |
| Peak Hour Factor                  | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                |
| Hourly flow rate (vph)            | 14                                                                                | 95                                                                                | 44                                                                                | 40                                                                                | 138                                                                               | 72                                                                                | 55                                                                                  | 122                                                                                 | 8                                                                                   | 76                                                                                  | 103                                                                                 | 14                                                                                  |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | WB 1                                                                              | WB 2                                                                              | NB 1                                                                              | NB 2                                                                              | SB 1                                                                                | SB 2                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total (vph)                | 14                                                                                | 140                                                                               | 40                                                                                | 210                                                                               | 55                                                                                | 130                                                                               | 76                                                                                  | 117                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left (vph)                 | 14                                                                                | 0                                                                                 | 40                                                                                | 0                                                                                 | 55                                                                                | 0                                                                                 | 76                                                                                  | 0                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right (vph)                | 0                                                                                 | 44                                                                                | 0                                                                                 | 72                                                                                | 0                                                                                 | 8                                                                                 | 0                                                                                   | 14                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Hadj (s)                          | 0.50                                                                              | -0.21                                                                             | 0.50                                                                              | -0.22                                                                             | 0.53                                                                              | 0.00                                                                              | 0.64                                                                                | -0.08                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Departure Headway (s)             | 6.4                                                                               | 5.7                                                                               | 6.2                                                                               | 5.5                                                                               | 6.4                                                                               | 5.8                                                                               | 6.5                                                                                 | 5.7                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Degree Utilization, x             | 0.02                                                                              | 0.22                                                                              | 0.07                                                                              | 0.32                                                                              | 0.10                                                                              | 0.21                                                                              | 0.14                                                                                | 0.19                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Capacity (veh/h)                  | 530                                                                               | 601                                                                               | 546                                                                               | 622                                                                               | 534                                                                               | 582                                                                               | 525                                                                                 | 591                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 8.3                                                                               | 9.0                                                                               | 8.5                                                                               | 9.9                                                                               | 8.9                                                                               | 9.2                                                                               | 9.3                                                                                 | 8.9                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 9.0                                                                               |                                                                                   | 9.7                                                                               |                                                                                   | 9.1                                                                               |                                                                                   | 9.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | A                                                                                 |                                                                                   | A                                                                                 |                                                                                   | A                                                                                 |                                                                                   | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Delay                             |                                                                                   |                                                                                   | 9.3                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Level of Service              |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 28.1%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
15: Hersey St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Volume (vph)                      | 20                                                                                | 0                                                                                 | 220                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 165                                                                                | 89                                                                                  | 20                                                                                  | 0                                                                                   | 99                                                                                  | 28                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)               | 0                                                                                 |                                                                                   | 100                                                                               | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 100                                                                                 |
| Storage Lanes                     | 1                                                                                 |                                                                                   | 1                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 1                                                                                   |
| Taper Length (ft)                 | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   |                                                                                   | 0.850                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.990                                                                               |                                                                                     |                                                                                     |                                                                                     | 0.850                                                                               |
| Flt Protected                     | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.971                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 1662                                                                              | 0                                                                                 | 1488                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 1664                                                                                | 0                                                                                   | 0                                                                                   | 1750                                                                                | 1488                                                                                |
| Flt Permitted                     | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.971                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 1662                                                                              | 0                                                                                 | 1488                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 1664                                                                                | 0                                                                                   | 0                                                                                   | 1750                                                                                | 1488                                                                                |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 2704                                                                              |                                                                                   |                                                                                   | 207                                                                               |                                                                                   |                                                                                    | 758                                                                                 |                                                                                     |                                                                                     | 679                                                                                 |                                                                                     |
| Travel Time (s)                   |                                                                                   | 73.7                                                                              |                                                                                   |                                                                                   | 5.6                                                                               |                                                                                   |                                                                                    | 20.7                                                                                |                                                                                     |                                                                                     | 18.5                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               | 3                                                                                 |                                                                                   | 3                                                                                 |                                                                                   |                                                                                   |                                                                                   | 2                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 2                                                                                   |
| Peak Hour Factor                  | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                               | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 2%                                                                                | 0%                                                                                | 2%                                                                                | 2%                                                                                | 2%                                                                                | 1%                                                                                 | 1%                                                                                  | 2%                                                                                  | 2%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 21                                                                                | 0                                                                                 | 229                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 172                                                                                | 93                                                                                  | 21                                                                                  | 0                                                                                   | 103                                                                                 | 29                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 21                                                                                | 0                                                                                 | 229                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                  | 286                                                                                 | 0                                                                                   | 0                                                                                   | 103                                                                                 | 29                                                                                  |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 24                                                                                |                                                                                   |                                                                                   | 24                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 33.0%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ICU Level of Service A                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
15: Hersey St & Mountain Ave

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |  |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Volume (vph)                      | 20                                                                                | 0                                                                                 | 220                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 165                                                                                | 89                                                                                  | 20                                                                                  | 0                                                                                   | 99                                                                                  | 28                                                                                  |
| Peak Hour Factor                  | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                              | 0.96                                                                               | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                | 0.96                                                                                |
| Hourly flow rate (vph)            | 21                                                                                | 0                                                                                 | 229                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 172                                                                                | 93                                                                                  | 21                                                                                  | 0                                                                                   | 103                                                                                 | 29                                                                                  |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | NB 1                                                                              | SB 1                                                                              | SB 2                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total (vph)                | 21                                                                                | 229                                                                               | 285                                                                               | 103                                                                               | 29                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left (vph)                 | 21                                                                                | 0                                                                                 | 172                                                                               | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right (vph)                | 0                                                                                 | 229                                                                               | 21                                                                                | 0                                                                                 | 29                                                                                |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Hadj (s)                          | 0.50                                                                              | -0.70                                                                             | 0.09                                                                              | 0.00                                                                              | -0.70                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Departure Headway (s)             | 6.1                                                                               | 4.9                                                                               | 5.4                                                                               | 5.5                                                                               | 4.8                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Degree Utilization, x             | 0.04                                                                              | 0.31                                                                              | 0.43                                                                              | 0.16                                                                              | 0.04                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Capacity (veh/h)                  | 553                                                                               | 690                                                                               | 641                                                                               | 618                                                                               | 704                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 8.1                                                                               | 8.9                                                                               | 12.4                                                                              | 8.3                                                                               | 6.8                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 8.8                                                                               |                                                                                   | 12.4                                                                              | 8.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | A                                                                                 |                                                                                   | B                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Delay                             |                                                                                   |                                                                                   | 10.2                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Level of Service              |                                                                                   |                                                                                   | B                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 33.0%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
16: Lithia Way & Oak St

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 26                                                                                | 936                                                                               | 110                                                                               | 47                                                                                 | 43                                                                                  | 0                                                                                   | 0                                                                                   | 30                                                                                  | 39                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.985                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.924                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.999                                                                             |                                                                                   |                                                                                    | 0.975                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3206                                                                              | 0                                                                                 | 0                                                                                  | 1706                                                                                | 0                                                                                   | 0                                                                                   | 1590                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.999                                                                             |                                                                                   |                                                                                    | 0.975                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3206                                                                              | 0                                                                                 | 0                                                                                  | 1706                                                                                | 0                                                                                   | 0                                                                                   | 1590                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 20                                                                                |                                                                                   |                                                                                   | 20                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 407                                                                               |                                                                                   |                                                                                   | 223                                                                               |                                                                                   |                                                                                    | 266                                                                                 |                                                                                     |                                                                                     | 332                                                                                 |                                                                                     |
| Travel Time (s)                   |                                                                                   | 13.9                                                                              |                                                                                   |                                                                                   | 7.6                                                                               |                                                                                   |                                                                                    | 7.3                                                                                 |                                                                                     |                                                                                     | 9.1                                                                                 |                                                                                     |
| Confl. Peds. (#/hr)               | 3                                                                                 |                                                                                   | 35                                                                                | 35                                                                                |                                                                                   | 3                                                                                 | 45                                                                                 |                                                                                     | 28                                                                                  | 28                                                                                  |                                                                                     | 45                                                                                  |
| Peak Hour Factor                  | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                               | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 3%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 3%                                                                                  |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 30                                                                                | 1064                                                                              | 125                                                                               | 53                                                                                 | 49                                                                                  | 0                                                                                   | 0                                                                                   | 34                                                                                  | 44                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 1219                                                                              | 0                                                                                 | 0                                                                                  | 102                                                                                 | 0                                                                                   | 0                                                                                   | 78                                                                                  | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 55.5%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   | ICU Level of Service B                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
16: Lithia Way & Oak St

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-----|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |      |     |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |      |     |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |      |     |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 26                                                                                | 936                                                                               | 110                                                                               | 47                                                                                 | 43                                                                                  | 0                                                                                   | 0                                                                                   | 30                                                                                  | 39                                                                                  |      |     |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |      |     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |      |     |
| Peak Hour Factor                  | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                              | 0.88                                                                               | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                | 0.88                                                                                |      |     |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 30                                                                                | 1064                                                                              | 125                                                                               | 53                                                                                 | 49                                                                                  | 0                                                                                   | 0                                                                                   | 34                                                                                  | 44                                                                                  |      |     |
| Pedestrians                       |                                                                                   | 45                                                                                |                                                                                   |                                                                                   | 28                                                                                |                                                                                   |                                                                                    | 35                                                                                  |                                                                                     |                                                                                     | 3                                                                                   |                                                                                     |      |     |
| Lane Width (ft)                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                    | 12.0                                                                                |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |      |     |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |      |     |
| Percent Blockage                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 2                                                                                 |                                                                                   |                                                                                    | 3                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |      |     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Median type                       | None                                                                              |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| vC, conflicting volume            | 1192                                                                              |                                                                                   |                                                                                   |                                                                                   | 35                                                                                |                                                                                   |                                                                                    |                                                                                     | 732                                                                                 | 1286                                                                                | 63                                                                                  | 1241                                                                                | 1223 | 642 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| vCu, unblocked vol                | 1192                                                                              |                                                                                   |                                                                                   |                                                                                   | 35                                                                                |                                                                                   |                                                                                    |                                                                                     | 732                                                                                 | 1286                                                                                | 63                                                                                  | 1241                                                                                | 1223 | 642 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                    |                                                                                     | 7.5                                                                                 | 6.5                                                                                 | 6.9                                                                                 | 7.5                                                                                 | 6.5  | 7.0 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |                                                                                    |                                                                                     | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 | 3.5                                                                                 | 4.0  | 3.3 |
| p0 queue free %                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   | 98                                                                                |                                                                                   |                                                                                    |                                                                                     | 76                                                                                  | 69                                                                                  | 100                                                                                 | 100                                                                                 | 80   | 89  |
| cM capacity (veh/h)               | 592                                                                               |                                                                                   |                                                                                   |                                                                                   | 1543                                                                              |                                                                                   |                                                                                    |                                                                                     | 221                                                                                 | 158                                                                                 | 943                                                                                 | 95                                                                                  | 172  | 413 |
| Direction, Lane #                 | WB 1                                                                              | WB 2                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Volume Total                      | 561                                                                               | 657                                                                               | 102                                                                               | 78                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Volume Left                       | 30                                                                                | 0                                                                                 | 53                                                                                | 0                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Volume Right                      | 0                                                                                 | 125                                                                               | 0                                                                                 | 44                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| cSH                               | 1543                                                                              | 1700                                                                              | 185                                                                               | 256                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Volume to Capacity                | 0.02                                                                              | 0.39                                                                              | 0.55                                                                              | 0.31                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Queue Length 95th (ft)            | 1                                                                                 | 0                                                                                 | 72                                                                                | 31                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Control Delay (s)                 | 0.6                                                                               | 0.0                                                                               | 46.0                                                                              | 25.1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Lane LOS                          | A                                                                                 |                                                                                   | E                                                                                 | D                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Approach Delay (s)                | 0.3                                                                               |                                                                                   | 46.0                                                                              | 25.1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Approach LOS                      |                                                                                   |                                                                                   | E                                                                                 | D                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Average Delay                     |                                                                                   |                                                                                   |                                                                                   | 5.0                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   |                                                                                   | 55.5%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                    |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |                                                                                     |      |     |
| Analysis Period (min)             |                                                                                   |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |      |     |



Existing Traffic Conditions  
17: E Main St & Lithia Way

Weekday PM Peak Hour

10/5/2010

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|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |  |                                                                                    |  |  |                                                                                     |                                                                                     |                                                                                     |
| Volume (vph)               | 0                                                                                 | 188                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 271                                                                               | 0                                                                                  | 848                                                                                 | 2                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 0.95                                                                                | 0.95                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.95                                                                              |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.865                                                                             |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flt Protected              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)          | 0                                                                                 | 1620                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 1456                                                                              | 0                                                                                  | 3130                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Flt Permitted              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)          | 0                                                                                 | 1620                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 1382                                                                              | 0                                                                                  | 3130                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Right Turn on Red          | Yes                                                                               |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 66                                                                                |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Link Speed (mph)           |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                |                                                                                   |                                                                                    | 30                                                                                  |                                                                                     |                                                                                     | 30                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 133                                                                               |                                                                                   |                                                                                   | 915                                                                               |                                                                                   |                                                                                    | 147                                                                                 |                                                                                     |                                                                                     | 584                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 3.0                                                                               |                                                                                   |                                                                                   | 20.8                                                                              |                                                                                   |                                                                                    | 3.3                                                                                 |                                                                                     |                                                                                     | 13.3                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 28                                                                                |                                                                                   | 5                                                                                 | 5                                                                                 |                                                                                   | 28                                                                                | 22                                                                                 |                                                                                     | 29                                                                                  | 29                                                                                  |                                                                                     | 22                                                                                  |
| Peak Hour Factor           | 0.93                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 8%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 4%                                                                                | 0%                                                                                 | 6%                                                                                  | 100%                                                                                | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 0                                                                                 | 198                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 285                                                                               | 0                                                                                  | 893                                                                                 | 2                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 0                                                                                 | 198                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 285                                                                               | 0                                                                                  | 895                                                                                 | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Number of Detectors        |                                                                                   | 1                                                                                 |                                                                                   |                                                                                   |                                                                                   | 1                                                                                 |                                                                                    | 1                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector Template          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Right                                                                             |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Leading Detector (ft)      |                                                                                   | 143                                                                               |                                                                                   |                                                                                   |                                                                                   | 143                                                                               |                                                                                    | 143                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Trailing Detector (ft)     |                                                                                   | 137                                                                               |                                                                                   |                                                                                   |                                                                                   | 137                                                                               |                                                                                    | 137                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Position(ft)    |                                                                                   | 137                                                                               |                                                                                   |                                                                                   |                                                                                   | 137                                                                               |                                                                                    | 137                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Size(ft)        |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   |                                                                                   | 6                                                                                 |                                                                                    | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Type            |                                                                                   | Extend                                                                            |                                                                                   |                                                                                   |                                                                                   | Extend                                                                            |                                                                                    | Extend                                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Queue (s)       |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Delay (s)       |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | custom                                                                            |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Protected Phases           |                                                                                   | 4                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Permitted Phases           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8                                                                                 |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector Phase             |                                                                                   | 4                                                                                 |                                                                                   |                                                                                   |                                                                                   | 8                                                                                 |                                                                                    | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Switch Phase               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)        |                                                                                   | 3.0                                                                               |                                                                                   |                                                                                   |                                                                                   | 3.0                                                                               |                                                                                    | 6.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Split (s)          |                                                                                   | 20.0                                                                              |                                                                                   |                                                                                   |                                                                                   | 20.0                                                                              |                                                                                    | 27.0                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Total Split (s)            | 0.0                                                                               | 37.0                                                                              | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 37.0                                                                              | 0.0                                                                                | 38.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Split (%)            | 0.0%                                                                              | 49.3%                                                                             | 0.0%                                                                              | 0.0%                                                                              | 0.0%                                                                              | 49.3%                                                                             | 0.0%                                                                               | 50.7%                                                                               | 0.0%                                                                                | 0.0%                                                                                | 0.0%                                                                                | 0.0%                                                                                |

Existing Traffic Conditions  
17: E Main St & Lithia Way

Weekday PM Peak Hour  
10/5/2010

|                         |  |      |     |     |     |      |     |       |     |     |     |     |
|-------------------------|------------------------------------------------------------------------------------|------|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|
| Lane Group              | EBL                                                                                | EBT  | EBR | WBL | WBT | WBR  | NBL | NBT   | NBR | SBL | SBT | SBR |
| Maximum Green (s)       |                                                                                    | 33.0 |     |     |     | 33.0 |     | 34.0  |     |     |     |     |
| Yellow Time (s)         |                                                                                    | 4.0  |     |     |     | 4.0  |     | 4.0   |     |     |     |     |
| All-Red Time (s)        |                                                                                    | 0.0  |     |     |     | 0.0  |     | 0.0   |     |     |     |     |
| Lost Time Adjust (s)    | 0.0                                                                                | 0.0  | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s)     | 4.0                                                                                | 4.0  | 4.0 | 4.0 | 4.0 | 4.0  | 4.0 | 4.0   | 4.0 | 4.0 | 4.0 | 4.0 |
| Lead/Lag                |                                                                                    |      |     |     |     |      |     |       |     |     |     |     |
| Lead-Lag Optimize?      |                                                                                    |      |     |     |     |      |     |       |     |     |     |     |
| Vehicle Extension (s)   |                                                                                    | 2.5  |     |     |     | 2.5  |     | 6.0   |     |     |     |     |
| Minimum Gap (s)         |                                                                                    | 1.0  |     |     |     | 1.0  |     | 4.0   |     |     |     |     |
| Time Before Reduce (s)  |                                                                                    | 10.0 |     |     |     | 10.0 |     | 10.0  |     |     |     |     |
| Time To Reduce (s)      |                                                                                    | 5.0  |     |     |     | 5.0  |     | 10.0  |     |     |     |     |
| Recall Mode             |                                                                                    | Ped  |     |     |     | Ped  |     | C-Max |     |     |     |     |
| Walk Time (s)           |                                                                                    | 7.0  |     |     |     | 7.0  |     | 10.0  |     |     |     |     |
| Flash Dont Walk (s)     |                                                                                    | 9.0  |     |     |     | 9.0  |     | 13.0  |     |     |     |     |
| Pedestrian Calls (#/hr) |                                                                                    | 0    |     |     |     | 0    |     | 0     |     |     |     |     |
| Act Effect Green (s)    |                                                                                    | 18.4 |     |     |     | 18.4 |     | 48.6  |     |     |     |     |
| Actuated g/C Ratio      |                                                                                    | 0.25 |     |     |     | 0.25 |     | 0.65  |     |     |     |     |
| v/c Ratio               |                                                                                    | 0.50 |     |     |     | 0.73 |     | 0.44  |     |     |     |     |
| Control Delay           |                                                                                    | 28.3 |     |     |     | 31.2 |     | 7.9   |     |     |     |     |
| Queue Delay             |                                                                                    | 0.0  |     |     |     | 0.0  |     | 0.0   |     |     |     |     |
| Total Delay             |                                                                                    | 28.3 |     |     |     | 31.2 |     | 7.9   |     |     |     |     |
| LOS                     |                                                                                    | C    |     |     |     | C    |     | A     |     |     |     |     |
| Approach Delay          |                                                                                    | 28.3 |     |     |     |      |     | 7.9   |     |     |     |     |
| Approach LOS            |                                                                                    | C    |     |     |     |      |     | A     |     |     |     |     |

Intersection Summary

Area Type: Other

Cycle Length: 75

Actuated Cycle Length: 75

Offset: 74 (99%), Referenced to phase 6:NBT, Start of Yellow

Natural Cycle: 50

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.73

Intersection Signal Delay: 15.7

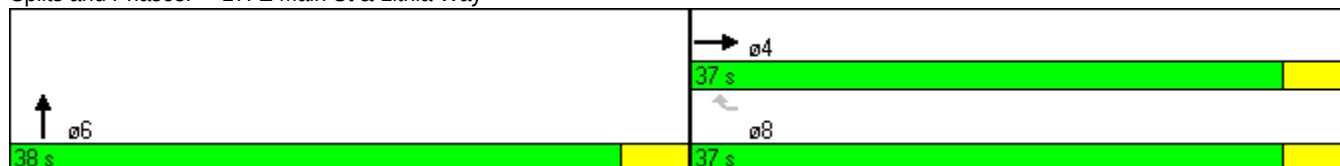
Intersection LOS: B

Intersection Capacity Utilization 75.2%

ICU Level of Service D

Analysis Period (min) 15

Splits and Phases: 17: E Main St & Lithia Way



Existing Traffic Conditions  
17: E Main St & Lithia Way

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |                                                                                      |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                                                                                                     | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |                                                                                   |  |                                                                                     |   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume (vph)                      | 0                                                                                 | 188                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 271                                                                               | 0                                                                                   | 848                                                                                                                                                                     | 2                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                                                                                                    | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                     | 4.0                                                                                                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Util. Factor                 |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                     | 0.95                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frpb, ped/bikes                   |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 0.95                                                                              |                                                                                     | 1.00                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flpb, ped/bikes                   |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                     | 1.00                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 0.86                                                                              |                                                                                     | 1.00                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flt Protected                     |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                     | 1.00                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 |                                                                                   | 1620                                                                              |                                                                                   |                                                                                   |                                                                                   | 1382                                                                              |                                                                                     | 3129                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flt Permitted                     |                                                                                   | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                              |                                                                                     | 1.00                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 |                                                                                   | 1620                                                                              |                                                                                   |                                                                                   |                                                                                   | 1382                                                                              |                                                                                     | 3129                                                                                                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Peak-hour factor, PHF             | 0.93                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                                | 0.95                                                                                                                                                                    | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Adj. Flow (vph)                   | 0                                                                                 | 198                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 285                                                                               | 0                                                                                   | 893                                                                                                                                                                     | 2                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| RTOR Reduction (vph)              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 50                                                                                | 0                                                                                   | 0                                                                                                                                                                       | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 198                                                                               | 0                                                                                 | 0                                                                                 | 0                                                                                 | 235                                                                               | 0                                                                                   | 895                                                                                                                                                                     | 0                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Confl. Peds. (#/hr)               | 28                                                                                |                                                                                   | 5                                                                                 | 5                                                                                 |                                                                                   | 28                                                                                | 22                                                                                  |                                                                                                                                                                         | 29                                                                                  | 29                                                                                  |                                                                                     | 22                                                                                  |
| Heavy Vehicles (%)                | 0%                                                                                | 8%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 4%                                                                                | 0%                                                                                  | 6%                                                                                                                                                                      | 100%                                                                                | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Turn Type                         | custom                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Protected Phases                  | 4                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 6                                                                                   |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Permitted Phases                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8                                                                                   |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Green, G (s)             | 18.4                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.4                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Effective Green, g (s)            | 18.4                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.4                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated g/C Ratio                | 0.25                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.25                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Clearance Time (s)                | 4.0                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.0                                                                                 |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)             | 2.5                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 2.5                                                                                 |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Grp Cap (vph)                | 397                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 339                                                                                 |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/s Ratio Prot                    | 0.12                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | c0.29                                                                               |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/s Ratio Perm                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | c0.17                                                                               |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/c Ratio                         | 0.50                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.69                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Uniform Delay, d1                 | 24.3                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 25.7                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Progression Factor                | 1.00                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1.00                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Incremental Delay, d2             | 0.7                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 5.6                                                                                 |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Delay (s)                         | 25.1                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 31.3                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Level of Service                  | C                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | C                                                                                   |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 25.1                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 31.3                                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | C                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | C                                                                                   |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         | 14.8                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | HCM Level of Service                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      | 0.51                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | B                                                                                   |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         | 75.0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Sum of lost time (s)                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 75.2%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8.0                                                                                 |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ICU Level of Service                                                                |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
18: E Main St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)               | 41                                                                                | 273                                                                               | 28                                                                                | 15                                                                                | 295                                                                               | 165                                                                               | 26                                                                                 | 86                                                                                  | 20                                                                                  | 261                                                                                 | 92                                                                                  | 28                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                                |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 200                                                                                 |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                  |                                                                                     | 0                                                                                   | 1                                                                                   |                                                                                     | 1                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            | 0.99                                                                              | 0.99                                                                              |                                                                                   | 0.97                                                                              | 0.99                                                                              |                                                                                   | 0.98                                                                               | 0.99                                                                                |                                                                                     | 0.98                                                                                | 0.99                                                                                |                                                                                     |
| Frt                        |                                                                                   | 0.986                                                                             |                                                                                   |                                                                                   | 0.946                                                                             |                                                                                   |                                                                                    | 0.972                                                                               |                                                                                     |                                                                                     | 0.965                                                                               |                                                                                     |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                              |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (prot)          | 1583                                                                              | 1701                                                                              | 0                                                                                 | 1662                                                                              | 1627                                                                              | 0                                                                                 | 1599                                                                               | 1689                                                                                | 0                                                                                   | 1662                                                                                | 1673                                                                                | 0                                                                                   |
| Flt Permitted              | 0.454                                                                             |                                                                                   |                                                                                   | 0.560                                                                             |                                                                                   |                                                                                   | 0.594                                                                              |                                                                                     |                                                                                     | 0.632                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (perm)          | 751                                                                               | 1701                                                                              | 0                                                                                 | 955                                                                               | 1627                                                                              | 0                                                                                 | 982                                                                                | 1689                                                                                | 0                                                                                   | 1089                                                                                | 1673                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 15                                                                                |                                                                                   |                                                                                   | 84                                                                                |                                                                                   |                                                                                    | 11                                                                                  |                                                                                     |                                                                                     | 14                                                                                  |                                                                                     |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 650                                                                               |                                                                                   |                                                                                   | 1810                                                                              |                                                                                   |                                                                                    | 1283                                                                                |                                                                                     |                                                                                     | 2102                                                                                |                                                                                     |
| Travel Time (s)            |                                                                                   | 17.7                                                                              |                                                                                   |                                                                                   | 49.4                                                                              |                                                                                   |                                                                                    | 35.0                                                                                |                                                                                     |                                                                                     | 57.3                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 6                                                                                 |                                                                                   | 13                                                                                | 13                                                                                |                                                                                   | 6                                                                                 | 7                                                                                  |                                                                                     | 6                                                                                   | 6                                                                                   |                                                                                     | 7                                                                                   |
| Peak Hour Factor           | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)         | 5%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 4%                                                                                 | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 43                                                                                | 287                                                                               | 29                                                                                | 16                                                                                | 311                                                                               | 174                                                                               | 27                                                                                 | 91                                                                                  | 21                                                                                  | 275                                                                                 | 97                                                                                  | 29                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 43                                                                                | 316                                                                               | 0                                                                                 | 16                                                                                | 485                                                                               | 0                                                                                 | 27                                                                                 | 112                                                                                 | 0                                                                                   | 275                                                                                 | 126                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 2                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                  | 2                                                                                   |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |
| Detector Template          | Left                                                                              |                                                                                   |                                                                                   | Left                                                                              |                                                                                   |                                                                                   | Left                                                                               |                                                                                     |                                                                                     | Left                                                                                |                                                                                     |                                                                                     |
| Leading Detector (ft)      | 78                                                                                | 143                                                                               |                                                                                   | 78                                                                                | 143                                                                               |                                                                                   | 78                                                                                 | 78                                                                                  |                                                                                     | 78                                                                                  | 78                                                                                  |                                                                                     |
| Trailing Detector (ft)     | 72                                                                                | 137                                                                               |                                                                                   | 72                                                                                | 137                                                                               |                                                                                   | 72                                                                                 | 72                                                                                  |                                                                                     | 72                                                                                  | 72                                                                                  |                                                                                     |
| Detector 1 Position(ft)    | 2                                                                                 | 137                                                                               |                                                                                   | 2                                                                                 | 137                                                                               |                                                                                   | 2                                                                                  | 2                                                                                   |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                  | 6                                                                                   |                                                                                     | 6                                                                                   | 6                                                                                   |                                                                                     |
| Detector 1 Type            | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                               | Call                                                                                |                                                                                     | Call                                                                                | Call                                                                                |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 2 Position(ft)    | 72                                                                                |                                                                                   |                                                                                   | 72                                                                                |                                                                                   |                                                                                   | 72                                                                                 | 72                                                                                  |                                                                                     | 72                                                                                  | 72                                                                                  |                                                                                     |
| Detector 2 Size(ft)        | 6                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 6                                                                                  | 6                                                                                   |                                                                                     | 6                                                                                   | 6                                                                                   |                                                                                     |
| Detector 2 Type            | Extend                                                                            |                                                                                   |                                                                                   | Extend                                                                            |                                                                                   |                                                                                   | Extend                                                                             | Cl+Ex                                                                               |                                                                                     | Extend                                                                              | Extend                                                                              |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Turn Type                  | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                               |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |

Existing Traffic Conditions  
18: E Main St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

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|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Protected Phases        |                                                                                   | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                    | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases        | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Detector Phase          | 2                                                                                 | 2                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                  | 8                                                                                   |                                                                                     | 4                                                                                   | 4                                                                                   |                                                                                     |
| Switch Phase            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)     | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 7.0                                                                                | 7.0                                                                                 |                                                                                     | 7.0                                                                                 | 7.0                                                                                 |                                                                                     |
| Minimum Split (s)       | 19.0                                                                              | 19.0                                                                              |                                                                                   | 19.0                                                                              | 19.0                                                                              |                                                                                   | 19.0                                                                               | 19.0                                                                                |                                                                                     | 19.0                                                                                | 19.0                                                                                |                                                                                     |
| Total Split (s)         | 75.0                                                                              | 75.0                                                                              | 0.0                                                                               | 75.0                                                                              | 75.0                                                                              | 0.0                                                                               | 20.0                                                                               | 20.0                                                                                | 0.0                                                                                 | 20.0                                                                                | 20.0                                                                                | 0.0                                                                                 |
| Total Split (%)         | 78.9%                                                                             | 78.9%                                                                             | 0.0%                                                                              | 78.9%                                                                             | 78.9%                                                                             | 0.0%                                                                              | 21.1%                                                                              | 21.1%                                                                               | 0.0%                                                                                | 21.1%                                                                               | 21.1%                                                                               | 0.0%                                                                                |
| Maximum Green (s)       | 71.0                                                                              | 71.0                                                                              |                                                                                   | 71.0                                                                              | 71.0                                                                              |                                                                                   | 16.0                                                                               | 16.0                                                                                |                                                                                     | 16.0                                                                                | 16.0                                                                                |                                                                                     |
| Yellow Time (s)         | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| All-Red Time (s)        | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Lost Time Adjust (s)    | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Lost Time (s)     | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                                | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| Lead/Lag                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lead-Lag Optimize?      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)   | 3.0                                                                               | 3.0                                                                               |                                                                                   | 3.0                                                                               | 3.0                                                                               |                                                                                   | 3.0                                                                                | 3.0                                                                                 |                                                                                     | 3.0                                                                                 | 3.0                                                                                 |                                                                                     |
| Recall Mode             | C-Max                                                                             | C-Max                                                                             |                                                                                   | C-Max                                                                             | C-Max                                                                             |                                                                                   | None                                                                               | None                                                                                |                                                                                     | None                                                                                | None                                                                                |                                                                                     |
| Walk Time (s)           | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                               | 5.0                                                                               |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 |                                                                                     |
| Flash Dont Walk (s)     | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                              | 10.0                                                                              |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                |                                                                                     |
| Pedestrian Calls (#/hr) | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                  | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     |
| Act Effect Green (s)    | 71.0                                                                              | 71.0                                                                              |                                                                                   | 71.0                                                                              | 71.0                                                                              |                                                                                   | 16.0                                                                               | 16.0                                                                                |                                                                                     | 16.0                                                                                | 16.0                                                                                |                                                                                     |
| Actuated g/C Ratio      | 0.75                                                                              | 0.75                                                                              |                                                                                   | 0.75                                                                              | 0.75                                                                              |                                                                                   | 0.17                                                                               | 0.17                                                                                |                                                                                     | 0.17                                                                                | 0.17                                                                                |                                                                                     |
| v/c Ratio               | 0.08                                                                              | 0.25                                                                              |                                                                                   | 0.02                                                                              | 0.39                                                                              |                                                                                   | 0.16                                                                               | 0.38                                                                                |                                                                                     | 1.50                                                                                | 0.43                                                                                |                                                                                     |
| Control Delay           | 3.6                                                                               | 4.1                                                                               |                                                                                   | 3.2                                                                               | 4.5                                                                               |                                                                                   | 36.7                                                                               | 35.9                                                                                |                                                                                     | 283.7                                                                               | 36.6                                                                                |                                                                                     |
| Queue Delay             | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Total Delay             | 3.6                                                                               | 4.1                                                                               |                                                                                   | 3.2                                                                               | 4.5                                                                               |                                                                                   | 36.7                                                                               | 35.9                                                                                |                                                                                     | 283.7                                                                               | 36.6                                                                                |                                                                                     |
| LOS                     | A                                                                                 | A                                                                                 |                                                                                   | A                                                                                 | A                                                                                 |                                                                                   | D                                                                                  | D                                                                                   |                                                                                     | F                                                                                   | D                                                                                   |                                                                                     |
| Approach Delay          |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.4                                                                               |                                                                                   |                                                                                    | 36.1                                                                                |                                                                                     |                                                                                     | 206.0                                                                               |                                                                                     |
| Approach LOS            |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                    | D                                                                                   |                                                                                     |                                                                                     | F                                                                                   |                                                                                     |

Intersection Summary

Area Type: Other

Cycle Length: 95

Actuated Cycle Length: 95

Offset: 76 (80%), Referenced to phase 2:EBTL and 6:WBTL, Start of Yellow

Natural Cycle: 45

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.50

Intersection Signal Delay: 65.2

Intersection LOS: E

Intersection Capacity Utilization 66.0%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 18: E Main St & Mountain Ave

|                                                                                        |                                                                                          |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  ø2 |  ø4 |
| 75 s                                                                                   | 20 s                                                                                     |
|  ø6 |  ø8 |
| 75 s                                                                                   | 20 s                                                                                     |

Existing Traffic Conditions  
18: E Main St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |   |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)                      | 41                                                                                | 273                                                                               | 28                                                                                | 15                                                                                | 295                                                                               | 165                                                                               | 26                                                                                  | 86                                                                                  | 20                                                                                  | 261                                                                                 | 92                                                                                  | 28                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                 | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Frpb, ped/bikes                   | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                                | 0.99                                                                                |                                                                                     | 1.00                                                                                | 0.99                                                                                |                                                                                     |
| Flpb, ped/bikes                   | 0.99                                                                              | 1.00                                                                              |                                                                                   | 0.97                                                                              | 1.00                                                                              |                                                                                   | 0.98                                                                                | 1.00                                                                                |                                                                                     | 0.98                                                                                | 1.00                                                                                |                                                                                     |
| Frt                               | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 0.95                                                                              |                                                                                   | 1.00                                                                                | 0.97                                                                                |                                                                                     | 1.00                                                                                | 0.97                                                                                |                                                                                     |
| Flt Protected                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                                | 1.00                                                                                |                                                                                     | 0.95                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (prot)                 | 1570                                                                              | 1701                                                                              |                                                                                   | 1620                                                                              | 1627                                                                              |                                                                                   | 1571                                                                                | 1688                                                                                |                                                                                     | 1637                                                                                | 1673                                                                                |                                                                                     |
| Flt Permitted                     | 0.45                                                                              | 1.00                                                                              |                                                                                   | 0.56                                                                              | 1.00                                                                              |                                                                                   | 0.59                                                                                | 1.00                                                                                |                                                                                     | 0.63                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (perm)                 | 750                                                                               | 1701                                                                              |                                                                                   | 955                                                                               | 1627                                                                              |                                                                                   | 982                                                                                 | 1688                                                                                |                                                                                     | 1088                                                                                | 1673                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Adj. Flow (vph)                   | 43                                                                                | 287                                                                               | 29                                                                                | 16                                                                                | 311                                                                               | 174                                                                               | 27                                                                                  | 91                                                                                  | 21                                                                                  | 275                                                                                 | 97                                                                                  | 29                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 4                                                                                 | 0                                                                                 | 0                                                                                 | 21                                                                                | 0                                                                                 | 0                                                                                   | 9                                                                                   | 0                                                                                   | 0                                                                                   | 12                                                                                  | 0                                                                                   |
| Lane Group Flow (vph)             | 43                                                                                | 312                                                                               | 0                                                                                 | 16                                                                                | 464                                                                               | 0                                                                                 | 27                                                                                  | 103                                                                                 | 0                                                                                   | 275                                                                                 | 114                                                                                 | 0                                                                                   |
| Confl. Peds. (#/hr)               | 6                                                                                 |                                                                                   | 13                                                                                | 13                                                                                |                                                                                   | 6                                                                                 | 7                                                                                   |                                                                                     | 6                                                                                   | 6                                                                                   |                                                                                     | 7                                                                                   |
| Heavy Vehicles (%)                | 5%                                                                                | 1%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 4%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Turn Type                         | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                              |                                                                                   |                                                                                   | Perm                                                                                |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |
| Protected Phases                  | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Permitted Phases                  | 2                                                                                 |                                                                                   |                                                                                   | 6                                                                                 |                                                                                   |                                                                                   | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Actuated Green, G (s)             | 71.0                                                                              | 71.0                                                                              |                                                                                   | 71.0                                                                              | 71.0                                                                              |                                                                                   | 16.0                                                                                | 16.0                                                                                |                                                                                     | 16.0                                                                                | 16.0                                                                                |                                                                                     |
| Effective Green, g (s)            | 71.0                                                                              | 71.0                                                                              |                                                                                   | 71.0                                                                              | 71.0                                                                              |                                                                                   | 16.0                                                                                | 16.0                                                                                |                                                                                     | 16.0                                                                                | 16.0                                                                                |                                                                                     |
| Actuated g/C Ratio                | 0.75                                                                              | 0.75                                                                              |                                                                                   | 0.75                                                                              | 0.75                                                                              |                                                                                   | 0.17                                                                                | 0.17                                                                                |                                                                                     | 0.17                                                                                | 0.17                                                                                |                                                                                     |
| Clearance Time (s)                | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                 | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| Vehicle Extension (s)             | 3.0                                                                               | 3.0                                                                               |                                                                                   | 3.0                                                                               | 3.0                                                                               |                                                                                   | 3.0                                                                                 | 3.0                                                                                 |                                                                                     | 3.0                                                                                 | 3.0                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                | 561                                                                               | 1271                                                                              |                                                                                   | 714                                                                               | 1216                                                                              |                                                                                   | 165                                                                                 | 284                                                                                 |                                                                                     | 183                                                                                 | 282                                                                                 |                                                                                     |
| v/s Ratio Prot                    | 0.18                                                                              |                                                                                   |                                                                                   | c0.29                                                                             |                                                                                   |                                                                                   | 0.06                                                                                |                                                                                     |                                                                                     | 0.07                                                                                |                                                                                     |                                                                                     |
| v/s Ratio Perm                    | 0.06                                                                              |                                                                                   |                                                                                   | 0.02                                                                              |                                                                                   |                                                                                   | 0.03                                                                                |                                                                                     |                                                                                     | c0.25                                                                               |                                                                                     |                                                                                     |
| v/c Ratio                         | 0.08                                                                              | 0.25                                                                              |                                                                                   | 0.02                                                                              | 0.38                                                                              |                                                                                   | 0.16                                                                                | 0.36                                                                                |                                                                                     | 1.50                                                                                | 0.41                                                                                |                                                                                     |
| Uniform Delay, d1                 | 3.2                                                                               | 3.7                                                                               |                                                                                   | 3.1                                                                               | 4.2                                                                               |                                                                                   | 33.8                                                                                | 35.0                                                                                |                                                                                     | 39.5                                                                                | 35.3                                                                                |                                                                                     |
| Progression Factor                | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             | 0.3                                                                               | 0.5                                                                               |                                                                                   | 0.1                                                                               | 0.9                                                                               |                                                                                   | 0.5                                                                                 | 0.8                                                                                 |                                                                                     | 252.6                                                                               | 1.0                                                                                 |                                                                                     |
| Delay (s)                         | 3.5                                                                               | 4.2                                                                               |                                                                                   | 3.1                                                                               | 5.1                                                                               |                                                                                   | 34.2                                                                                | 35.8                                                                                |                                                                                     | 292.1                                                                               | 36.2                                                                                |                                                                                     |
| Level of Service                  | A                                                                                 | A                                                                                 |                                                                                   | A                                                                                 | A                                                                                 |                                                                                   | C                                                                                   | D                                                                                   |                                                                                     | F                                                                                   | D                                                                                   |                                                                                     |
| Approach Delay (s)                | 4.1                                                                               |                                                                                   |                                                                                   | 5.1                                                                               |                                                                                   |                                                                                   | 35.5                                                                                |                                                                                     |                                                                                     | 211.7                                                                               |                                                                                     |                                                                                     |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | D                                                                                   |                                                                                     |                                                                                     | F                                                                                   |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 67.0                                                                              | HCM Level of Service                                                              |                                                                                   |                                                                                   | E                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.59                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 95.0                                                                              | Sum of lost time (s)                                                              |                                                                                   |                                                                                   | 8.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 66.0%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
19: E Main St & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | NBL                                                                               | NBR                                                                               |
| Lane Configurations               |  |                                                                                   |                                                                                   |  |  |  |
| Volume (vph)                      | 388                                                                               | 110                                                                               | 25                                                                                | 271                                                                               | 76                                                                                | 28                                                                                |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Storage Length (ft)               |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 100                                                                               |
| Storage Lanes                     |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 1                                                                                 | 1                                                                                 |
| Taper Length (ft)                 |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Frt                               | 0.970                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.850                                                                             |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   | 0.996                                                                             | 0.950                                                                             |                                                                                   |
| Satd. Flow (prot)                 | 1596                                                                              | 0                                                                                 | 0                                                                                 | 1647                                                                              | 1614                                                                              | 1293                                                                              |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   | 0.996                                                                             | 0.950                                                                             |                                                                                   |
| Satd. Flow (perm)                 | 1596                                                                              | 0                                                                                 | 0                                                                                 | 1647                                                                              | 1614                                                                              | 1293                                                                              |
| Link Speed (mph)                  | 25                                                                                |                                                                                   |                                                                                   | 40                                                                                | 25                                                                                |                                                                                   |
| Link Distance (ft)                | 1205                                                                              |                                                                                   |                                                                                   | 775                                                                               | 1627                                                                              |                                                                                   |
| Travel Time (s)                   | 32.9                                                                              |                                                                                   |                                                                                   | 13.2                                                                              | 44.4                                                                              |                                                                                   |
| Confl. Peds. (#/hr)               |                                                                                   | 1                                                                                 | 1                                                                                 |                                                                                   | 1                                                                                 | 8                                                                                 |
| Peak Hour Factor                  | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              | 0.94                                                                              |
| Heavy Vehicles (%)                | 7%                                                                                | 4%                                                                                | 4%                                                                                | 6%                                                                                | 3%                                                                                | 15%                                                                               |
| Adj. Flow (vph)                   | 413                                                                               | 117                                                                               | 27                                                                                | 288                                                                               | 81                                                                                | 30                                                                                |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 530                                                                               | 0                                                                                 | 0                                                                                 | 315                                                                               | 81                                                                                | 30                                                                                |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Left                                                                              | Right                                                                             |
| Median Width(ft)                  | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 12                                                                                |                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                | 16                                                                                |                                                                                   |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |
| Sign Control                      | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              | Stop                                                                              |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 51.3%                                                                             |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
19: E Main St & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |      |       |                      |      |      |      |
|-----------------------------------|------|-------|----------------------|------|------|------|
|                                   | →    | ↘     | ↙                    | ←    | ↖    | ↗    |
| Movement                          | EBT  | EBR   | WBL                  | WBT  | NBL  | NBR  |
| Lane Configurations               | ↱    |       |                      | ↱    | ↱    | ↱    |
| Volume (veh/h)                    | 388  | 110   | 25                   | 271  | 76   | 28   |
| Sign Control                      | Free |       |                      | Free | Stop |      |
| Grade                             | 0%   |       |                      | 0%   | 0%   |      |
| Peak Hour Factor                  | 0.94 | 0.94  | 0.94                 | 0.94 | 0.94 | 0.94 |
| Hourly flow rate (vph)            | 413  | 117   | 27                   | 288  | 81   | 30   |
| Pedestrians                       | 1    |       |                      | 8    | 1    |      |
| Lane Width (ft)                   | 12.0 |       |                      | 12.0 | 12.0 |      |
| Walking Speed (ft/s)              | 4.0  |       |                      | 4.0  | 4.0  |      |
| Percent Blockage                  | 0    |       |                      | 1    | 0    |      |
| Right turn flare (veh)            |      |       |                      |      |      | 4    |
| Median type                       | None |       |                      | None |      |      |
| Median storage veh)               |      |       |                      |      |      |      |
| Upstream signal (ft)              |      |       |                      |      |      |      |
| pX, platoon unblocked             |      |       |                      |      |      |      |
| vC, conflicting volume            |      |       | 531                  |      | 815  | 480  |
| vC1, stage 1 conf vol             |      |       |                      |      |      |      |
| vC2, stage 2 conf vol             |      |       |                      |      |      |      |
| vCu, unblocked vol                |      |       | 531                  |      | 815  | 480  |
| tC, single (s)                    |      |       | 4.1                  |      | 6.4  | 6.4  |
| tC, 2 stage (s)                   |      |       |                      |      |      |      |
| tF (s)                            |      |       | 2.2                  |      | 3.5  | 3.4  |
| p0 queue free %                   |      |       | 97                   |      | 76   | 95   |
| cM capacity (veh/h)               |      |       | 1026                 |      | 336  | 556  |
| Direction, Lane #                 | EB 1 | WB 1  | NB 1                 |      |      |      |
| Volume Total                      | 530  | 315   | 111                  |      |      |      |
| Volume Left                       | 0    | 27    | 81                   |      |      |      |
| Volume Right                      | 117  | 0     | 30                   |      |      |      |
| cSH                               | 1700 | 1026  | 460                  |      |      |      |
| Volume to Capacity                | 0.31 | 0.03  | 0.24                 |      |      |      |
| Queue Length 95th (ft)            | 0    | 2     | 23                   |      |      |      |
| Control Delay (s)                 | 0.0  | 1.0   | 17.1                 |      |      |      |
| Lane LOS                          |      | A     | C                    |      |      |      |
| Approach Delay (s)                | 0.0  | 1.0   | 17.1                 |      |      |      |
| Approach LOS                      |      |       | C                    |      |      |      |
| Intersection Summary              |      |       |                      |      |      |      |
| Average Delay                     |      | 2.3   |                      |      |      |      |
| Intersection Capacity Utilization |      | 51.3% | ICU Level of Service | A    |      |      |
| Analysis Period (min)             |      | 15    |                      |      |      |      |
|                                   |      |       |                      |      |      |      |



Existing Traffic Conditions  
20: Iowa St & Mountain Ave

Weekday PM Peak Hour

10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)               | 2                                                                                 | 23                                                                                | 2                                                                                 | 36                                                                                | 0                                                                                 | 35                                                                                | 0                                                                                  | 94                                                                                  | 23                                                                                  | 40                                                                                  | 101                                                                                 | 0                                                                                   |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor          | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                        |                                                                                   | 0.991                                                                             |                                                                                   |                                                                                   | 0.933                                                                             |                                                                                   |                                                                                    | 0.973                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Flt Protected              |                                                                                   | 0.997                                                                             |                                                                                   |                                                                                   | 0.975                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.986                                                                               |                                                                                     |
| Satd. Flow (prot)          | 0                                                                                 | 1729                                                                              | 0                                                                                 | 0                                                                                 | 1592                                                                              | 0                                                                                 | 0                                                                                  | 1689                                                                                | 0                                                                                   | 0                                                                                   | 1713                                                                                | 0                                                                                   |
| Flt Permitted              |                                                                                   | 0.997                                                                             |                                                                                   |                                                                                   | 0.975                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.986                                                                               |                                                                                     |
| Satd. Flow (perm)          | 0                                                                                 | 1729                                                                              | 0                                                                                 | 0                                                                                 | 1592                                                                              | 0                                                                                 | 0                                                                                  | 1689                                                                                | 0                                                                                   | 0                                                                                   | 1713                                                                                | 0                                                                                   |
| Link Speed (mph)           |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 210                                                                               |                                                                                   |                                                                                   | 3008                                                                              |                                                                                   |                                                                                    | 456                                                                                 |                                                                                     |                                                                                     | 1283                                                                                |                                                                                     |
| Travel Time (s)            |                                                                                   | 5.7                                                                               |                                                                                   |                                                                                   | 82.0                                                                              |                                                                                   |                                                                                    | 12.4                                                                                |                                                                                     |                                                                                     | 35.0                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 22                                                                                |                                                                                   | 2                                                                                 | 2                                                                                 |                                                                                   | 22                                                                                |                                                                                    |                                                                                     | 14                                                                                  | 14                                                                                  |                                                                                     |                                                                                     |
| Peak Hour Factor           | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                               | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                 | 1%                                                                                  | 0%                                                                                  | 0%                                                                                  | 1%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)            | 2                                                                                 | 27                                                                                | 2                                                                                 | 42                                                                                | 0                                                                                 | 41                                                                                | 0                                                                                  | 109                                                                                 | 27                                                                                  | 47                                                                                  | 117                                                                                 | 0                                                                                   |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 0                                                                                 | 31                                                                                | 0                                                                                 | 0                                                                                 | 83                                                                                | 0                                                                                 | 0                                                                                  | 136                                                                                 | 0                                                                                   | 0                                                                                   | 164                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control               |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 34.3% ICU Level of Service A

Analysis Period (min) 15

Existing Traffic Conditions  
20: Iowa St & Mountain Ave

Weekday PM Peak Hour

10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 2                                                                                 | 23                                                                                | 2                                                                                 | 36                                                                                | 0                                                                                 | 35                                                                                | 0                                                                                  | 94                                                                                  | 23                                                                                  | 40                                                                                  | 101                                                                                 | 0                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                              | 0.86                                                                               | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                | 0.86                                                                                |
| Hourly flow rate (vph)            | 2                                                                                 | 27                                                                                | 2                                                                                 | 42                                                                                | 0                                                                                 | 41                                                                                | 0                                                                                  | 109                                                                                 | 27                                                                                  | 47                                                                                  | 117                                                                                 | 0                                                                                   |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 14                                                                                |                                                                                   |                                                                                    | 2                                                                                   |                                                                                     |                                                                                     | 22                                                                                  |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                    | 12.0                                                                                |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 1                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 456                                                                                 |                                                                                     |                                                                                     | 1283                                                                                |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 396                                                                               | 361                                                                               | 119                                                                               | 365                                                                               | 347                                                                               | 159                                                                               | 117                                                                                |                                                                                     |                                                                                     | 150                                                                                 |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 396                                                                               | 361                                                                               | 119                                                                               | 365                                                                               | 347                                                                               | 159                                                                               | 117                                                                                |                                                                                     |                                                                                     | 150                                                                                 |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 4.1                                                                                |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 100                                                                               | 95                                                                                | 100                                                                               | 92                                                                                | 100                                                                               | 95                                                                                | 100                                                                                |                                                                                     |                                                                                     | 97                                                                                  |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 513                                                                               | 545                                                                               | 936                                                                               | 545                                                                               | 554                                                                               | 865                                                                               | 1483                                                                               |                                                                                     |                                                                                     | 1427                                                                                |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 31                                                                                | 83                                                                                | 136                                                                               | 164                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 2                                                                                 | 42                                                                                | 0                                                                                 | 47                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 2                                                                                 | 41                                                                                | 27                                                                                | 0                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 559                                                                               | 667                                                                               | 1700                                                                              | 1427                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.06                                                                              | 0.12                                                                              | 0.08                                                                              | 0.03                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 4                                                                                 | 11                                                                                | 0                                                                                 | 3                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 11.8                                                                              | 11.2                                                                              | 0.0                                                                               | 2.3                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | B                                                                                 | B                                                                                 |                                                                                   | A                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 11.8                                                                              | 11.2                                                                              | 0.0                                                                               | 2.3                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | B                                                                                 | B                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 34.3%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                    |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
21: Iowa St & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 20                                                                                | 0                                                                                 | 71                                                                                | 1                                                                                 | 1                                                                                 | 0                                                                                 | 53                                                                                  | 112                                                                                 | 2                                                                                   | 0                                                                                   | 133                                                                                 | 12                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.894                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 0.999                                                                               |                                                                                     |                                                                                     | 0.989                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.989                                                                             |                                                                                   |                                                                                   | 0.976                                                                             |                                                                                   |                                                                                     | 0.984                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1523                                                                              | 0                                                                                 | 0                                                                                 | 1675                                                                              | 0                                                                                 | 0                                                                                   | 1676                                                                                | 0                                                                                   | 0                                                                                   | 1715                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.989                                                                             |                                                                                   |                                                                                   | 0.976                                                                             |                                                                                   |                                                                                     | 0.984                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1523                                                                              | 0                                                                                 | 0                                                                                 | 1675                                                                              | 0                                                                                 | 0                                                                                   | 1676                                                                                | 0                                                                                   | 0                                                                                   | 1715                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                     | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 3008                                                                              |                                                                                   |                                                                                   | 237                                                                               |                                                                                   |                                                                                     | 1808                                                                                |                                                                                     |                                                                                     | 1627                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 82.0                                                                              |                                                                                   |                                                                                   | 6.5                                                                               |                                                                                   |                                                                                     | 49.3                                                                                |                                                                                     |                                                                                     | 44.4                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               | 8                                                                                 |                                                                                   | 5                                                                                 |                                                                                   |                                                                                   |                                                                                   | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6                                                                                   |
| Peak Hour Factor                  | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 2%                                                                                | 2%                                                                                | 2%                                                                                | 2%                                                                                | 2%                                                                                | 2%                                                                                  | 3%                                                                                  | 2%                                                                                  | 2%                                                                                  | 1%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 22                                                                                | 0                                                                                 | 80                                                                                | 1                                                                                 | 1                                                                                 | 0                                                                                 | 60                                                                                  | 126                                                                                 | 2                                                                                   | 0                                                                                   | 149                                                                                 | 13                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 102                                                                               | 0                                                                                 | 0                                                                                 | 2                                                                                 | 0                                                                                 | 0                                                                                   | 188                                                                                 | 0                                                                                   | 0                                                                                   | 162                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                                | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                     | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                  |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 36.7%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
21: Iowa St & Walker Ave

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Volume (vph)                      | 20                                                                                | 0                                                                                 | 71                                                                                | 1                                                                                 | 1                                                                                 | 0                                                                                 | 53                                                                                 | 112                                                                                 | 2                                                                                   | 0                                                                                   | 133                                                                                 | 12                                                                                  |
| Peak Hour Factor                  | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                              | 0.89                                                                               | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                | 0.89                                                                                |
| Hourly flow rate (vph)            | 22                                                                                | 0                                                                                 | 80                                                                                | 1                                                                                 | 1                                                                                 | 0                                                                                 | 60                                                                                 | 126                                                                                 | 2                                                                                   | 0                                                                                   | 149                                                                                 | 13                                                                                  |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total (vph)                | 102                                                                               | 2                                                                                 | 188                                                                               | 163                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left (vph)                 | 22                                                                                | 1                                                                                 | 60                                                                                | 0                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right (vph)                | 80                                                                                | 0                                                                                 | 2                                                                                 | 13                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Hadj (s)                          | -0.40                                                                             | 0.13                                                                              | 0.10                                                                              | -0.03                                                                             |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Departure Headway (s)             | 4.3                                                                               | 5.0                                                                               | 4.4                                                                               | 4.3                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Degree Utilization, x             | 0.12                                                                              | 0.00                                                                              | 0.23                                                                              | 0.19                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Capacity (veh/h)                  | 770                                                                               | 661                                                                               | 788                                                                               | 800                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 7.9                                                                               | 8.0                                                                               | 8.7                                                                               | 8.3                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 7.9                                                                               | 8.0                                                                               | 8.7                                                                               | 8.3                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | A                                                                                 | A                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Delay                             |                                                                                   |                                                                                   | 8.4                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Level of Service              |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 36.7%                                                                             | ICU Level of Service                                                              |                                                                                   | A                                                                                 |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
22: OR-66 & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)               | 49                                                                                | 524                                                                               | 13                                                                                | 57                                                                                | 481                                                                               | 73                                                                                | 9                                                                                   | 39                                                                                  | 83                                                                                  | 124                                                                                 | 34                                                                                  | 60                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                  |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            | 0.99                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 0.99                                                                              |                                                                                   |                                                                                     | 0.99                                                                                |                                                                                     |                                                                                     | 0.99                                                                                |                                                                                     |
| Frt                        |                                                                                   | 0.996                                                                             |                                                                                   |                                                                                   | 0.980                                                                             |                                                                                   |                                                                                     | 0.914                                                                               |                                                                                     |                                                                                     | 0.963                                                                               |                                                                                     |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                     | 0.997                                                                               |                                                                                     |                                                                                     | 0.972                                                                               |                                                                                     |
| Satd. Flow (prot)          | 1630                                                                              | 3246                                                                              | 0                                                                                 | 1614                                                                              | 3237                                                                              | 0                                                                                 | 0                                                                                   | 1495                                                                                | 0                                                                                   | 0                                                                                   | 1601                                                                                | 0                                                                                   |
| Flt Permitted              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                     | 0.977                                                                               |                                                                                     |                                                                                     | 0.797                                                                               |                                                                                     |
| Satd. Flow (perm)          | 1615                                                                              | 3246                                                                              | 0                                                                                 | 1610                                                                              | 3237                                                                              | 0                                                                                 | 0                                                                                   | 1464                                                                                | 0                                                                                   | 0                                                                                   | 1308                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                     |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 3                                                                                 |                                                                                   |                                                                                   | 21                                                                                |                                                                                   |                                                                                     | 87                                                                                  |                                                                                     |                                                                                     | 22                                                                                  |                                                                                     |
| Link Speed (mph)           |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                |                                                                                   |                                                                                     | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 1002                                                                              |                                                                                   |                                                                                   | 4493                                                                              |                                                                                   |                                                                                     | 689                                                                                 |                                                                                     |                                                                                     | 1808                                                                                |                                                                                     |
| Travel Time (s)            |                                                                                   | 22.8                                                                              |                                                                                   |                                                                                   | 102.1                                                                             |                                                                                   |                                                                                     | 18.8                                                                                |                                                                                     |                                                                                     | 49.3                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 10                                                                                |                                                                                   | 3                                                                                 | 3                                                                                 |                                                                                   | 10                                                                                | 12                                                                                  |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 12                                                                                  |
| Peak Hour Factor           | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)         | 2%                                                                                | 2%                                                                                | 0%                                                                                | 3%                                                                                | 0%                                                                                | 1%                                                                                | 0%                                                                                  | 3%                                                                                  | 7%                                                                                  | 2%                                                                                  | 0%                                                                                  | 2%                                                                                  |
| Adj. Flow (vph)            | 52                                                                                | 552                                                                               | 14                                                                                | 60                                                                                | 506                                                                               | 77                                                                                | 9                                                                                   | 41                                                                                  | 87                                                                                  | 131                                                                                 | 36                                                                                  | 63                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 52                                                                                | 566                                                                               | 0                                                                                 | 60                                                                                | 583                                                                               | 0                                                                                 | 0                                                                                   | 137                                                                                 | 0                                                                                   | 0                                                                                   | 230                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                                | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                     | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                  |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 2                                                                                 | 1                                                                                 |                                                                                   | 2                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                   | 1                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |
| Detector Template          | Left                                                                              |                                                                                   |                                                                                   | Left                                                                              | Thru                                                                              |                                                                                   | Left                                                                                |                                                                                     |                                                                                     | Left                                                                                |                                                                                     |                                                                                     |
| Leading Detector (ft)      | 78                                                                                | 183                                                                               |                                                                                   | 78                                                                                | 223                                                                               |                                                                                   | 20                                                                                  | 18                                                                                  |                                                                                     | 20                                                                                  | 18                                                                                  |                                                                                     |
| Trailing Detector (ft)     | 72                                                                                | 177                                                                               |                                                                                   | 72                                                                                | 107                                                                               |                                                                                   | 0                                                                                   | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Position(ft)    | 2                                                                                 | 177                                                                               |                                                                                   | 2                                                                                 | 107                                                                               |                                                                                   | 0                                                                                   | 2                                                                                   |                                                                                     | 0                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 20                                                                                  | 16                                                                                  |                                                                                     | 20                                                                                  | 16                                                                                  |                                                                                     |
| Detector 1 Type            | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                              | Extend                                                                            |                                                                                   | Cl+Ex                                                                               | Cl+Ex                                                                               |                                                                                     | Cl+Ex                                                                               | Cl+Ex                                                                               |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                 | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 2 Position(ft)    | 72                                                                                |                                                                                   |                                                                                   | 72                                                                                | 217                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Size(ft)        | 6                                                                                 |                                                                                   |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Type            | Extend                                                                            |                                                                                   |                                                                                   | Extend                                                                            | Extend                                                                            |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      | 0.0                                                                               |                                                                                   |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Perm                                                                                |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |

Existing Traffic Conditions  
22: OR-66 & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                         |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group              | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Protected Phases        | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   |                                                                                    | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases        |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Detector Phase          | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   | 8                                                                                  | 8                                                                                   |                                                                                     | 4                                                                                   | 4                                                                                   |                                                                                     |
| Switch Phase            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Minimum Initial (s)     | 3.0                                                                               | 10.0                                                                              |                                                                                   | 3.0                                                                               | 10.0                                                                              |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 |                                                                                     |
| Minimum Split (s)       | 6.0                                                                               | 26.0                                                                              |                                                                                   | 6.0                                                                               | 26.0                                                                              |                                                                                   | 34.0                                                                               | 34.0                                                                                |                                                                                     | 34.0                                                                                | 34.0                                                                                |                                                                                     |
| Total Split (s)         | 25.0                                                                              | 34.0                                                                              | 0.0                                                                               | 20.0                                                                              | 34.0                                                                              | 0.0                                                                               | 29.0                                                                               | 29.0                                                                                | 0.0                                                                                 | 29.0                                                                                | 29.0                                                                                | 0.0                                                                                 |
| Total Split (%)         | 28.4%                                                                             | 38.6%                                                                             | 0.0%                                                                              | 22.7%                                                                             | 38.6%                                                                             | 0.0%                                                                              | 33.0%                                                                              | 33.0%                                                                               | 0.0%                                                                                | 33.0%                                                                               | 33.0%                                                                               | 0.0%                                                                                |
| Maximum Green (s)       | 22.0                                                                              | 30.0                                                                              |                                                                                   | 17.0                                                                              | 30.0                                                                              |                                                                                   | 25.0                                                                               | 25.0                                                                                |                                                                                     | 25.0                                                                                | 25.0                                                                                |                                                                                     |
| Yellow Time (s)         | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                               | 4.0                                                                               |                                                                                   | 4.0                                                                                | 4.0                                                                                 |                                                                                     | 4.0                                                                                 | 4.0                                                                                 |                                                                                     |
| All-Red Time (s)        | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Lost Time Adjust (s)    | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               | 0.0                                                                                | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 | 0.0                                                                                 |
| Total Lost Time (s)     | 3.0                                                                               | 4.0                                                                               | 4.0                                                                               | 3.0                                                                               | 4.0                                                                               | 4.0                                                                               | 4.0                                                                                | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 | 4.0                                                                                 |
| Lead/Lag                | Lead                                                                              | Lag                                                                               |                                                                                   | Lead                                                                              | Lag                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lead-Lag Optimize?      | Yes                                                                               | Yes                                                                               |                                                                                   | Yes                                                                               | Yes                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Vehicle Extension (s)   | 2.5                                                                               | 4.9                                                                               |                                                                                   | 2.5                                                                               | 4.9                                                                               |                                                                                   | 2.5                                                                                | 2.5                                                                                 |                                                                                     | 2.5                                                                                 | 2.5                                                                                 |                                                                                     |
| Minimum Gap (s)         | 1.5                                                                               | 4.9                                                                               |                                                                                   | 1.5                                                                               | 4.9                                                                               |                                                                                   | 1.5                                                                                | 1.5                                                                                 |                                                                                     | 1.5                                                                                 | 1.5                                                                                 |                                                                                     |
| Time Before Reduce (s)  | 5.0                                                                               | 0.0                                                                               |                                                                                   | 5.0                                                                               | 0.0                                                                               |                                                                                   | 5.0                                                                                | 5.0                                                                                 |                                                                                     | 5.0                                                                                 | 5.0                                                                                 |                                                                                     |
| Time To Reduce (s)      | 10.0                                                                              | 0.0                                                                               |                                                                                   | 10.0                                                                              | 0.0                                                                               |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                |                                                                                     |
| Recall Mode             | None                                                                              | Min                                                                               |                                                                                   | None                                                                              | Min                                                                               |                                                                                   | None                                                                               | None                                                                                |                                                                                     | None                                                                                | None                                                                                |                                                                                     |
| Walk Time (s)           |                                                                                   | 10.0                                                                              |                                                                                   |                                                                                   | 10.0                                                                              |                                                                                   | 10.0                                                                               | 10.0                                                                                |                                                                                     | 10.0                                                                                | 10.0                                                                                |                                                                                     |
| Flash Dont Walk (s)     |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   | 20.0                                                                               | 20.0                                                                                |                                                                                     | 20.0                                                                                | 20.0                                                                                |                                                                                     |
| Pedestrian Calls (#/hr) |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   | 0                                                                                  | 0                                                                                   |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     |
| Act Effect Green (s)    | 5.4                                                                               | 17.2                                                                              |                                                                                   | 5.7                                                                               | 17.4                                                                              |                                                                                   |                                                                                    | 14.0                                                                                |                                                                                     |                                                                                     | 14.0                                                                                |                                                                                     |
| Actuated g/C Ratio      | 0.12                                                                              | 0.38                                                                              |                                                                                   | 0.13                                                                              | 0.39                                                                              |                                                                                   |                                                                                    | 0.31                                                                                |                                                                                     |                                                                                     | 0.31                                                                                |                                                                                     |
| v/c Ratio               | 0.27                                                                              | 0.46                                                                              |                                                                                   | 0.30                                                                              | 0.46                                                                              |                                                                                   |                                                                                    | 0.27                                                                                |                                                                                     |                                                                                     | 0.55                                                                                |                                                                                     |
| Control Delay           | 27.3                                                                              | 13.9                                                                              |                                                                                   | 27.2                                                                              | 13.3                                                                              |                                                                                   |                                                                                    | 8.2                                                                                 |                                                                                     |                                                                                     | 18.8                                                                                |                                                                                     |
| Queue Delay             | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                    | 0.0                                                                                 |                                                                                     |                                                                                     | 0.0                                                                                 |                                                                                     |
| Total Delay             | 27.3                                                                              | 13.9                                                                              |                                                                                   | 27.2                                                                              | 13.3                                                                              |                                                                                   |                                                                                    | 8.2                                                                                 |                                                                                     |                                                                                     | 18.8                                                                                |                                                                                     |
| LOS                     | C                                                                                 | B                                                                                 |                                                                                   | C                                                                                 | B                                                                                 |                                                                                   |                                                                                    | A                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| Approach Delay          |                                                                                   | 15.0                                                                              |                                                                                   |                                                                                   | 14.6                                                                              |                                                                                   |                                                                                    | 8.2                                                                                 |                                                                                     |                                                                                     | 18.8                                                                                |                                                                                     |
| Approach LOS            |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   |                                                                                    | A                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |

Intersection Summary

Area Type: Other

Cycle Length: 88

Actuated Cycle Length: 45

Natural Cycle: 70

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.55

Intersection Signal Delay: 14.8

Intersection LOS: B

Intersection Capacity Utilization 64.6%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 22: OR-66 & Walker Ave



Existing Traffic Conditions  
22: OR-66 & Walker Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 49                                                                                | 524                                                                               | 13                                                                                | 57                                                                                | 481                                                                               | 73                                                                                | 9                                                                                  | 39                                                                                  | 83                                                                                  | 124                                                                                 | 34                                                                                  | 60                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                               | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Lane Util. Factor                 | 1.00                                                                              | 0.95                                                                              |                                                                                   | 1.00                                                                              | 0.95                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frpb, ped/bikes                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.99                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Flpb, ped/bikes                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Frt                               | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 0.98                                                                              |                                                                                   |                                                                                    | 0.91                                                                                |                                                                                     |                                                                                     | 0.96                                                                                |                                                                                     |
| Flt Protected                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 0.97                                                                                |                                                                                     |
| Satd. Flow (prot)                 | 1630                                                                              | 3247                                                                              |                                                                                   | 1614                                                                              | 3242                                                                              |                                                                                   |                                                                                    | 1498                                                                                |                                                                                     |                                                                                     | 1601                                                                                |                                                                                     |
| Flt Permitted                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 0.98                                                                                |                                                                                     |                                                                                     | 0.80                                                                                |                                                                                     |
| Satd. Flow (perm)                 | 1630                                                                              | 3247                                                                              |                                                                                   | 1614                                                                              | 3242                                                                              |                                                                                   |                                                                                    | 1469                                                                                |                                                                                     |                                                                                     | 1312                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Adj. Flow (vph)                   | 52                                                                                | 552                                                                               | 14                                                                                | 60                                                                                | 506                                                                               | 77                                                                                | 9                                                                                  | 41                                                                                  | 87                                                                                  | 131                                                                                 | 36                                                                                  | 63                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 2                                                                                 | 0                                                                                 | 0                                                                                 | 13                                                                                | 0                                                                                 | 0                                                                                  | 60                                                                                  | 0                                                                                   | 0                                                                                   | 15                                                                                  | 0                                                                                   |
| Lane Group Flow (vph)             | 52                                                                                | 564                                                                               | 0                                                                                 | 60                                                                                | 570                                                                               | 0                                                                                 | 0                                                                                  | 77                                                                                  | 0                                                                                   | 0                                                                                   | 215                                                                                 | 0                                                                                   |
| Confl. Peds. (#/hr)               | 10                                                                                |                                                                                   | 3                                                                                 | 3                                                                                 |                                                                                   | 10                                                                                | 12                                                                                 |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 12                                                                                  |
| Heavy Vehicles (%)                | 2%                                                                                | 2%                                                                                | 0%                                                                                | 3%                                                                                | 0%                                                                                | 1%                                                                                | 0%                                                                                 | 3%                                                                                  | 7%                                                                                  | 2%                                                                                  | 0%                                                                                  | 2%                                                                                  |
| Turn Type                         | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Perm                                                                               |                                                                                     |                                                                                     | Perm                                                                                |                                                                                     |                                                                                     |
| Protected Phases                  | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   |                                                                                    | 8                                                                                   |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |
| Permitted Phases                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 8                                                                                  |                                                                                     |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     |
| Actuated Green, G (s)             | 3.1                                                                               | 17.2                                                                              |                                                                                   | 3.3                                                                               | 17.4                                                                              |                                                                                   |                                                                                    | 14.0                                                                                |                                                                                     |                                                                                     | 14.0                                                                                |                                                                                     |
| Effective Green, g (s)            | 3.1                                                                               | 17.2                                                                              |                                                                                   | 3.3                                                                               | 17.4                                                                              |                                                                                   |                                                                                    | 14.0                                                                                |                                                                                     |                                                                                     | 14.0                                                                                |                                                                                     |
| Actuated g/C Ratio                | 0.07                                                                              | 0.38                                                                              |                                                                                   | 0.07                                                                              | 0.38                                                                              |                                                                                   |                                                                                    | 0.31                                                                                |                                                                                     |                                                                                     | 0.31                                                                                |                                                                                     |
| Clearance Time (s)                | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                               | 4.0                                                                               |                                                                                   |                                                                                    | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Vehicle Extension (s)             | 2.5                                                                               | 4.9                                                                               |                                                                                   | 2.5                                                                               | 4.9                                                                               |                                                                                   |                                                                                    | 2.5                                                                                 |                                                                                     |                                                                                     | 2.5                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                | 111                                                                               | 1227                                                                              |                                                                                   | 117                                                                               | 1240                                                                              |                                                                                   |                                                                                    | 452                                                                                 |                                                                                     |                                                                                     | 404                                                                                 |                                                                                     |
| v/s Ratio Prot                    | 0.03                                                                              | 0.17                                                                              |                                                                                   | c0.04                                                                             | c0.18                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/s Ratio Perm                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.05                                                                                |                                                                                     |                                                                                     | c0.16                                                                               |                                                                                     |
| v/c Ratio                         | 0.47                                                                              | 0.46                                                                              |                                                                                   | 0.51                                                                              | 0.46                                                                              |                                                                                   |                                                                                    | 0.17                                                                                |                                                                                     |                                                                                     | 0.53                                                                                |                                                                                     |
| Uniform Delay, d1                 | 20.4                                                                              | 10.7                                                                              |                                                                                   | 20.3                                                                              | 10.5                                                                              |                                                                                   |                                                                                    | 11.5                                                                                |                                                                                     |                                                                                     | 13.0                                                                                |                                                                                     |
| Progression Factor                | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   |                                                                                    | 1.00                                                                                |                                                                                     |                                                                                     | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             | 2.3                                                                               | 0.6                                                                               |                                                                                   | 2.8                                                                               | 0.5                                                                               |                                                                                   |                                                                                    | 0.1                                                                                 |                                                                                     |                                                                                     | 1.0                                                                                 |                                                                                     |
| Delay (s)                         | 22.7                                                                              | 11.2                                                                              |                                                                                   | 23.1                                                                              | 11.1                                                                              |                                                                                   |                                                                                    | 11.6                                                                                |                                                                                     |                                                                                     | 14.1                                                                                |                                                                                     |
| Level of Service                  | C                                                                                 | B                                                                                 |                                                                                   | C                                                                                 | B                                                                                 |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| Approach Delay (s)                |                                                                                   | 12.2                                                                              |                                                                                   |                                                                                   | 12.2                                                                              |                                                                                   |                                                                                    | 11.6                                                                                |                                                                                     |                                                                                     | 14.1                                                                                |                                                                                     |
| Approach LOS                      |                                                                                   | B                                                                                 |                                                                                   |                                                                                   | B                                                                                 |                                                                                   |                                                                                    | B                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |
| <b>Intersection Summary</b>       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 12.4                                                                              |                                                                                   |                                                                                   | HCM Level of Service                                                              |                                                                                    |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.45                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 45.5                                                                              |                                                                                   |                                                                                   | Sum of lost time (s)                                                              |                                                                                    |                                                                                     | 7.0                                                                                 |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 64.6%                                                                             |                                                                                   |                                                                                   | ICU Level of Service                                                              |                                                                                    |                                                                                     | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |



Existing Traffic Conditions  
23: OR-66 & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010

|                            |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                 | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations        |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)               | 90                                                                                | 506                                                                               | 54                                                                                | 184                                                                               | 473                                                                               | 61                                                                                | 70                                                                                 | 121                                                                                 | 190                                                                                 | 62                                                                                  | 143                                                                                 | 62                                                                                  |
| Ideal Flow (vphpl)         | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)        | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                               |                                                                                   | 0                                                                                 | 100                                                                                |                                                                                     | 0                                                                                   | 100                                                                                 |                                                                                     | 0                                                                                   |
| Storage Lanes              | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                  |                                                                                     | 0                                                                                   | 1                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)          | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor          | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor            | 0.99                                                                              | 1.00                                                                              |                                                                                   | 0.99                                                                              | 1.00                                                                              |                                                                                   | 0.99                                                                               | 0.98                                                                                |                                                                                     | 0.99                                                                                | 0.99                                                                                |                                                                                     |
| Frt                        |                                                                                   | 0.986                                                                             |                                                                                   |                                                                                   | 0.983                                                                             |                                                                                   |                                                                                    | 0.908                                                                               |                                                                                     |                                                                                     | 0.955                                                                               |                                                                                     |
| Flt Protected              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                              |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (prot)          | 1662                                                                              | 3213                                                                              | 0                                                                                 | 1630                                                                              | 3218                                                                              | 0                                                                                 | 1662                                                                               | 1544                                                                                | 0                                                                                   | 1614                                                                                | 1632                                                                                | 0                                                                                   |
| Flt Permitted              | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   | 0.950                                                                              |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |
| Satd. Flow (perm)          | 1648                                                                              | 3213                                                                              | 0                                                                                 | 1619                                                                              | 3218                                                                              | 0                                                                                 | 1645                                                                               | 1544                                                                                | 0                                                                                   | 1599                                                                                | 1632                                                                                | 0                                                                                   |
| Right Turn on Red          |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                    |                                                                                     | Yes                                                                                 |                                                                                     |                                                                                     | Yes                                                                                 |
| Satd. Flow (RTOR)          |                                                                                   | 9                                                                                 |                                                                                   |                                                                                   | 11                                                                                |                                                                                   |                                                                                    | 58                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Link Speed (mph)           |                                                                                   | 35                                                                                |                                                                                   |                                                                                   | 35                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)         |                                                                                   | 4493                                                                              |                                                                                   |                                                                                   | 703                                                                               |                                                                                   |                                                                                    | 1154                                                                                |                                                                                     |                                                                                     | 868                                                                                 |                                                                                     |
| Travel Time (s)            |                                                                                   | 87.5                                                                              |                                                                                   |                                                                                   | 13.7                                                                              |                                                                                   |                                                                                    | 31.5                                                                                |                                                                                     |                                                                                     | 23.7                                                                                |                                                                                     |
| Confl. Peds. (#/hr)        | 6                                                                                 |                                                                                   | 5                                                                                 | 5                                                                                 |                                                                                   | 6                                                                                 | 10                                                                                 |                                                                                     | 10                                                                                  | 10                                                                                  |                                                                                     | 10                                                                                  |
| Peak Hour Factor           | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                               | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                |
| Heavy Vehicles (%)         | 0%                                                                                | 1%                                                                                | 8%                                                                                | 2%                                                                                | 1%                                                                                | 2%                                                                                | 0%                                                                                 | 0%                                                                                  | 2%                                                                                  | 3%                                                                                  | 1%                                                                                  | 3%                                                                                  |
| Adj. Flow (vph)            | 100                                                                               | 562                                                                               | 60                                                                                | 204                                                                               | 526                                                                               | 68                                                                                | 78                                                                                 | 134                                                                                 | 211                                                                                 | 69                                                                                  | 159                                                                                 | 69                                                                                  |
| Shared Lane Traffic (%)    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)      | 100                                                                               | 622                                                                               | 0                                                                                 | 204                                                                               | 594                                                                               | 0                                                                                 | 78                                                                                 | 345                                                                                 | 0                                                                                   | 69                                                                                  | 228                                                                                 | 0                                                                                   |
| Enter Blocked Intersection | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)           |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)            |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)        |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane     |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   | Yes                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor             | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)        | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Number of Detectors        | 2                                                                                 | 2                                                                                 |                                                                                   | 2                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                  | 1                                                                                   |                                                                                     | 1                                                                                   | 1                                                                                   |                                                                                     |
| Detector Template          | Left                                                                              | Thru                                                                              |                                                                                   | Left                                                                              | Thru                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Leading Detector (ft)      | 78                                                                                | 223                                                                               |                                                                                   | 78                                                                                | 223                                                                               |                                                                                   | 18                                                                                 | 18                                                                                  |                                                                                     | 18                                                                                  | 18                                                                                  |                                                                                     |
| Trailing Detector (ft)     | 72                                                                                | 107                                                                               |                                                                                   | 72                                                                                | 107                                                                               |                                                                                   | 2                                                                                  | 2                                                                                   |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Position(ft)    | 2                                                                                 | 107                                                                               |                                                                                   | 2                                                                                 | 107                                                                               |                                                                                   | 2                                                                                  | 2                                                                                   |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |
| Detector 1 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   | 16                                                                                 | 16                                                                                  |                                                                                     | 16                                                                                  | 16                                                                                  |                                                                                     |
| Detector 1 Type            | Call                                                                              | Extend                                                                            |                                                                                   | Call                                                                              | Extend                                                                            |                                                                                   | Cl+Ex                                                                              | Cl+Ex                                                                               |                                                                                     | Cl+Ex                                                                               | Cl+Ex                                                                               |                                                                                     |
| Detector 1 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 1 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Queue (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 1 Delay (s)       | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                                | 0.0                                                                                 |                                                                                     | 0.0                                                                                 | 0.0                                                                                 |                                                                                     |
| Detector 2 Position(ft)    | 72                                                                                | 217                                                                               |                                                                                   | 72                                                                                | 217                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Size(ft)        | 6                                                                                 | 6                                                                                 |                                                                                   | 6                                                                                 | 6                                                                                 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Type            | Extend                                                                            | Extend                                                                            |                                                                                   | Extend                                                                            | Extend                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Channel         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Detector 2 Extend (s)      | 0.0                                                                               | 0.0                                                                               |                                                                                   | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Turn Type                  | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                               |                                                                                     |                                                                                     | Prot                                                                                |                                                                                     |                                                                                     |

Existing Traffic Conditions  
23: OR-66 & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010



| Lane Group              | EBL   | EBT   | EBR  | WBL   | WBT   | WBR  | NBL   | NBT   | NBR  | SBL   | SBT   | SBR  |
|-------------------------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
| Protected Phases        | 5     | 2     |      | 1     | 6     |      | 3     | 8     |      | 7     | 4     |      |
| Permitted Phases        |       |       |      |       |       |      |       |       |      |       |       |      |
| Detector Phase          | 5     | 2     |      | 1     | 6     |      | 3     | 8     |      | 7     | 4     |      |
| Switch Phase            |       |       |      |       |       |      |       |       |      |       |       |      |
| Minimum Initial (s)     | 3.0   | 10.0  |      | 3.0   | 10.0  |      | 3.0   | 5.0   |      | 3.0   | 5.0   |      |
| Minimum Split (s)       | 6.0   | 24.0  |      | 6.0   | 24.0  |      | 6.0   | 28.5  |      | 6.0   | 30.5  |      |
| Total Split (s)         | 28.0  | 44.0  | 0.0  | 28.0  | 44.0  | 0.0  | 23.0  | 33.5  | 0.0  | 23.0  | 33.5  | 0.0  |
| Total Split (%)         | 21.8% | 34.2% | 0.0% | 21.8% | 34.2% | 0.0% | 17.9% | 26.1% | 0.0% | 17.9% | 26.1% | 0.0% |
| Maximum Green (s)       | 25.0  | 40.0  |      | 25.0  | 40.0  |      | 20.0  | 30.0  |      | 20.0  | 30.0  |      |
| Yellow Time (s)         | 3.0   | 4.0   |      | 3.0   | 4.0   |      | 3.0   | 3.5   |      | 3.0   | 3.5   |      |
| All-Red Time (s)        | 0.0   | 0.0   |      | 0.0   | 0.0   |      | 0.0   | 0.0   |      | 0.0   | 0.0   |      |
| Lost Time Adjust (s)    | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0  |
| Total Lost Time (s)     | 3.0   | 4.0   | 4.0  | 3.0   | 4.0   | 4.0  | 3.0   | 3.5   | 4.0  | 3.0   | 3.5   | 4.0  |
| Lead/Lag                | Lead  | Lag   |      | Lead  | Lag   |      | Lead  | Lag   |      | Lead  | Lag   |      |
| Lead-Lag Optimize?      | Yes   | Yes   |      | Yes   | Yes   |      | Yes   | Yes   |      | Yes   | Yes   |      |
| Vehicle Extension (s)   | 2.5   | 5.2   |      | 2.5   | 5.2   |      | 2.5   | 2.5   |      | 2.5   | 2.5   |      |
| Minimum Gap (s)         | 1.0   | 3.2   |      | 1.0   | 3.2   |      | 1.0   | 1.0   |      | 1.0   | 1.0   |      |
| Time Before Reduce (s)  | 5.0   | 10.0  |      | 5.0   | 10.0  |      | 5.0   | 5.0   |      | 5.0   | 5.0   |      |
| Time To Reduce (s)      | 10.0  | 10.0  |      | 10.0  | 10.0  |      | 10.0  | 10.0  |      | 10.0  | 10.0  |      |
| Recall Mode             | None  | Min   |      | None  | Min   |      | None  | None  |      | None  | None  |      |
| Walk Time (s)           |       | 7.0   |      |       | 7.0   |      |       | 7.0   |      |       | 7.0   |      |
| Flash Dont Walk (s)     |       | 13.0  |      |       | 13.0  |      |       | 18.0  |      |       | 20.0  |      |
| Pedestrian Calls (#/hr) |       | 0     |      |       | 0     |      |       | 0     |      |       | 0     |      |
| Act Effect Green (s)    | 9.6   | 25.2  |      | 15.5  | 34.1  |      | 9.7   | 23.2  |      | 9.3   | 22.8  |      |
| Actuated g/C Ratio      | 0.11  | 0.30  |      | 0.18  | 0.40  |      | 0.11  | 0.27  |      | 0.11  | 0.27  |      |
| v/c Ratio               | 0.53  | 0.65  |      | 0.69  | 0.46  |      | 0.41  | 0.75  |      | 0.39  | 0.51  |      |
| Control Delay           | 53.3  | 32.0  |      | 49.9  | 23.4  |      | 49.1  | 37.9  |      | 49.6  | 33.2  |      |
| Queue Delay             | 0.0   | 0.0   |      | 0.0   | 0.0   |      | 0.0   | 0.0   |      | 0.0   | 0.0   |      |
| Total Delay             | 53.3  | 32.0  |      | 49.9  | 23.4  |      | 49.1  | 37.9  |      | 49.6  | 33.2  |      |
| LOS                     | D     | C     |      | D     | C     |      | D     | D     |      | D     | C     |      |
| Approach Delay          |       | 35.0  |      |       | 30.2  |      |       | 40.0  |      |       | 37.0  |      |
| Approach LOS            |       | C     |      |       | C     |      |       | D     |      |       | D     |      |

Intersection Summary

Area Type: Other

Cycle Length: 128.5

Actuated Cycle Length: 85.2

Natural Cycle: 75

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.75

Intersection Signal Delay: 34.5

Intersection LOS: C

Intersection Capacity Utilization 65.6%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 23: OR-66 & Tolman Creek Rd

|                                                                                      |                                                                                      |                                                                                      |                                                                                        |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ø1 |  ø2 |  ø3 |  ø4 |
| 28 s                                                                                 | 44 s                                                                                 | 23 s                                                                                 | 33.5 s                                                                                 |
|  ø5 |  ø6 |  ø7 |  ø8 |
| 28 s                                                                                 | 44 s                                                                                 | 23 s                                                                                 | 33.5 s                                                                                 |

Existing Traffic Conditions  
23: OR-66 & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |   |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |  |  |                                                                                   |  |  |                                                                                   |  |  |                                                                                     |  |  |                                                                                     |
| Volume (vph)                      | 90                                                                                | 506                                                                               | 54                                                                                | 184                                                                               | 473                                                                               | 61                                                                                | 70                                                                                  | 121                                                                                 | 190                                                                                 | 62                                                                                  | 143                                                                                 | 62                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Total Lost time (s)               | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                                 | 3.5                                                                                 |                                                                                     | 3.0                                                                                 | 3.5                                                                                 |                                                                                     |
| Lane Util. Factor                 | 1.00                                                                              | 0.95                                                                              |                                                                                   | 1.00                                                                              | 0.95                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Frpb, ped/bikes                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                                | 0.99                                                                                |                                                                                     | 1.00                                                                                | 0.99                                                                                |                                                                                     |
| Flpb, ped/bikes                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Frt                               | 1.00                                                                              | 0.99                                                                              |                                                                                   | 1.00                                                                              | 0.98                                                                              |                                                                                   | 1.00                                                                                | 0.91                                                                                |                                                                                     | 1.00                                                                                | 0.95                                                                                |                                                                                     |
| Flt Protected                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                                | 1.00                                                                                |                                                                                     | 0.95                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (prot)                 | 1662                                                                              | 3213                                                                              |                                                                                   | 1630                                                                              | 3220                                                                              |                                                                                   | 1662                                                                                | 1549                                                                                |                                                                                     | 1614                                                                                | 1634                                                                                |                                                                                     |
| Flt Permitted                     | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                              | 1.00                                                                              |                                                                                   | 0.95                                                                                | 1.00                                                                                |                                                                                     | 0.95                                                                                | 1.00                                                                                |                                                                                     |
| Satd. Flow (perm)                 | 1662                                                                              | 3213                                                                              |                                                                                   | 1630                                                                              | 3220                                                                              |                                                                                   | 1662                                                                                | 1549                                                                                |                                                                                     | 1614                                                                                | 1634                                                                                |                                                                                     |
| Peak-hour factor, PHF             | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                              | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                | 0.90                                                                                |
| Adj. Flow (vph)                   | 100                                                                               | 562                                                                               | 60                                                                                | 204                                                                               | 526                                                                               | 68                                                                                | 78                                                                                  | 134                                                                                 | 211                                                                                 | 69                                                                                  | 159                                                                                 | 69                                                                                  |
| RTOR Reduction (vph)              | 0                                                                                 | 6                                                                                 | 0                                                                                 | 0                                                                                 | 7                                                                                 | 0                                                                                 | 0                                                                                   | 42                                                                                  | 0                                                                                   | 0                                                                                   | 12                                                                                  | 0                                                                                   |
| Lane Group Flow (vph)             | 100                                                                               | 616                                                                               | 0                                                                                 | 204                                                                               | 587                                                                               | 0                                                                                 | 78                                                                                  | 303                                                                                 | 0                                                                                   | 69                                                                                  | 216                                                                                 | 0                                                                                   |
| Confl. Peds. (#/hr)               | 6                                                                                 |                                                                                   | 5                                                                                 | 5                                                                                 |                                                                                   | 6                                                                                 | 10                                                                                  |                                                                                     | 10                                                                                  | 10                                                                                  |                                                                                     | 10                                                                                  |
| Heavy Vehicles (%)                | 0%                                                                                | 1%                                                                                | 8%                                                                                | 2%                                                                                | 1%                                                                                | 2%                                                                                | 0%                                                                                  | 0%                                                                                  | 2%                                                                                  | 3%                                                                                  | 1%                                                                                  | 3%                                                                                  |
| Turn Type                         | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                              |                                                                                   |                                                                                   | Prot                                                                                |                                                                                     |                                                                                     | Prot                                                                                |                                                                                     |                                                                                     |
| Protected Phases                  | 5                                                                                 | 2                                                                                 |                                                                                   | 1                                                                                 | 6                                                                                 |                                                                                   | 3                                                                                   | 8                                                                                   |                                                                                     | 7                                                                                   | 4                                                                                   |                                                                                     |
| Permitted Phases                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Green, G (s)             | 7.8                                                                               | 26.4                                                                              |                                                                                   | 15.5                                                                              | 34.1                                                                              |                                                                                   | 7.6                                                                                 | 23.2                                                                                |                                                                                     | 7.3                                                                                 | 22.9                                                                                |                                                                                     |
| Effective Green, g (s)            | 7.8                                                                               | 26.4                                                                              |                                                                                   | 15.5                                                                              | 34.1                                                                              |                                                                                   | 7.6                                                                                 | 23.2                                                                                |                                                                                     | 7.3                                                                                 | 22.9                                                                                |                                                                                     |
| Actuated g/C Ratio                | 0.09                                                                              | 0.31                                                                              |                                                                                   | 0.18                                                                              | 0.40                                                                              |                                                                                   | 0.09                                                                                | 0.27                                                                                |                                                                                     | 0.08                                                                                | 0.27                                                                                |                                                                                     |
| Clearance Time (s)                | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                               | 4.0                                                                               |                                                                                   | 3.0                                                                                 | 3.5                                                                                 |                                                                                     | 3.0                                                                                 | 3.5                                                                                 |                                                                                     |
| Vehicle Extension (s)             | 2.5                                                                               | 5.2                                                                               |                                                                                   | 2.5                                                                               | 5.2                                                                               |                                                                                   | 2.5                                                                                 | 2.5                                                                                 |                                                                                     | 2.5                                                                                 | 2.5                                                                                 |                                                                                     |
| Lane Grp Cap (vph)                | 151                                                                               | 987                                                                               |                                                                                   | 294                                                                               | 1278                                                                              |                                                                                   | 147                                                                                 | 418                                                                                 |                                                                                     | 137                                                                                 | 436                                                                                 |                                                                                     |
| v/s Ratio Prot                    | 0.06                                                                              | c0.19                                                                             |                                                                                   | c0.13                                                                             | 0.18                                                                              |                                                                                   | c0.05                                                                               | c0.20                                                                               |                                                                                     | 0.04                                                                                | 0.13                                                                                |                                                                                     |
| v/s Ratio Perm                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| v/c Ratio                         | 0.66                                                                              | 0.62                                                                              |                                                                                   | 0.69                                                                              | 0.46                                                                              |                                                                                   | 0.53                                                                                | 0.72                                                                                |                                                                                     | 0.50                                                                                | 0.50                                                                                |                                                                                     |
| Uniform Delay, d1                 | 37.8                                                                              | 25.5                                                                              |                                                                                   | 33.0                                                                              | 19.1                                                                              |                                                                                   | 37.4                                                                                | 28.4                                                                                |                                                                                     | 37.6                                                                                | 26.6                                                                                |                                                                                     |
| Progression Factor                | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                              | 1.00                                                                              |                                                                                   | 1.00                                                                                | 1.00                                                                                |                                                                                     | 1.00                                                                                | 1.00                                                                                |                                                                                     |
| Incremental Delay, d2             | 9.4                                                                               | 1.8                                                                               |                                                                                   | 6.4                                                                               | 0.6                                                                               |                                                                                   | 2.8                                                                                 | 5.7                                                                                 |                                                                                     | 2.1                                                                                 | 0.6                                                                                 |                                                                                     |
| Delay (s)                         | 47.2                                                                              | 27.3                                                                              |                                                                                   | 39.4                                                                              | 19.7                                                                              |                                                                                   | 40.3                                                                                | 34.2                                                                                |                                                                                     | 39.7                                                                                | 27.3                                                                                |                                                                                     |
| Level of Service                  | D                                                                                 | C                                                                                 |                                                                                   | D                                                                                 | B                                                                                 |                                                                                   | D                                                                                   | C                                                                                   |                                                                                     | D                                                                                   | C                                                                                   |                                                                                     |
| Approach Delay (s)                |                                                                                   | 30.1                                                                              |                                                                                   |                                                                                   | 24.7                                                                              |                                                                                   |                                                                                     | 35.3                                                                                |                                                                                     |                                                                                     | 30.2                                                                                |                                                                                     |
| Approach LOS                      |                                                                                   | C                                                                                 |                                                                                   |                                                                                   | C                                                                                 |                                                                                   |                                                                                     | D                                                                                   |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |
| <b>Intersection Summary</b>       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| HCM Average Control Delay         |                                                                                   |                                                                                   | 29.2                                                                              |                                                                                   |                                                                                   | HCM Level of Service                                                              |                                                                                     |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |                                                                                     |
| HCM Volume to Capacity ratio      |                                                                                   |                                                                                   | 0.63                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Actuated Cycle Length (s)         |                                                                                   |                                                                                   | 85.9                                                                              |                                                                                   |                                                                                   | Sum of lost time (s)                                                              |                                                                                     |                                                                                     | 10.0                                                                                |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 65.6%                                                                             |                                                                                   |                                                                                   | ICU Level of Service                                                              |                                                                                     |                                                                                     | C                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| c Critical Lane Group             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
24: OR-66 & Washington St.

Weekday PM Peak Hour  
10/5/2010

|                                   | →            | ↘     | ↙     | ←                      | ↖     | ↗     |
|-----------------------------------|--------------|-------|-------|------------------------|-------|-------|
| Lane Group                        | EBT          | EBR   | WBL   | WBT                    | NBL   | NBR   |
| Lane Configurations               | ↑↑↱          |       | ↱     | ↑↑                     | ↱     | ↱     |
| Volume (vph)                      | 725          | 45    | 18    | 639                    | 47    | 39    |
| Ideal Flow (vphpl)                | 1750         | 1750  | 1750  | 1750                   | 1750  | 1750  |
| Storage Length (ft)               |              | 0     | 320   |                        | 150   | 0     |
| Storage Lanes                     |              | 0     | 1     |                        | 1     | 1     |
| Taper Length (ft)                 |              | 25    | 25    |                        | 25    | 25    |
| Lane Util. Factor                 | 0.95         | 0.95  | 1.00  | 0.95                   | 1.00  | 1.00  |
| Ped Bike Factor                   |              |       |       |                        |       |       |
| Frt                               | 0.991        |       |       |                        |       | 0.850 |
| Flt Protected                     |              |       | 0.950 |                        | 0.950 |       |
| Satd. Flow (prot)                 | 3251         | 0     | 1568  | 3228                   | 1599  | 1444  |
| Flt Permitted                     |              |       | 0.950 |                        | 0.950 |       |
| Satd. Flow (perm)                 | 3251         | 0     | 1568  | 3228                   | 1599  | 1444  |
| Link Speed (mph)                  | 35           |       |       | 35                     | 25    |       |
| Link Distance (ft)                | 703          |       |       | 442                    | 846   |       |
| Travel Time (s)                   | 13.7         |       |       | 8.6                    | 23.1  |       |
| Confl. Peds. (#/hr)               |              | 1     | 1     |                        | 5     | 1     |
| Peak Hour Factor                  | 0.95         | 0.95  | 0.95  | 0.95                   | 0.95  | 0.95  |
| Heavy Vehicles (%)                | 1%           | 7%    | 6%    | 3%                     | 4%    | 3%    |
| Adj. Flow (vph)                   | 763          | 47    | 19    | 673                    | 49    | 41    |
| Shared Lane Traffic (%)           |              |       |       |                        |       |       |
| Lane Group Flow (vph)             | 810          | 0     | 19    | 673                    | 49    | 41    |
| Enter Blocked Intersection        | No           | No    | No    | No                     | No    | No    |
| Lane Alignment                    | Left         | Right | Left  | Left                   | Left  | Right |
| Median Width(ft)                  | 12           |       |       | 12                     | 12    |       |
| Link Offset(ft)                   | 0            |       |       | 0                      | 0     |       |
| Crosswalk Width(ft)               | 16           |       |       | 16                     | 16    |       |
| Two way Left Turn Lane            | Yes          |       |       | Yes                    |       |       |
| Headway Factor                    | 1.11         | 1.11  | 1.11  | 1.11                   | 1.11  | 1.11  |
| Turning Speed (mph)               |              | 15    | 15    |                        | 15    | 15    |
| Sign Control                      | Free         |       |       | Free                   | Stop  |       |
| Intersection Summary              |              |       |       |                        |       |       |
| Area Type:                        | Other        |       |       |                        |       |       |
| Control Type:                     | Unsignalized |       |       |                        |       |       |
| Intersection Capacity Utilization | 33.6%        |       |       | ICU Level of Service A |       |       |
| Analysis Period (min)             | 15           |       |       |                        |       |       |

Existing Traffic Conditions  
24: OR-66 & Washington St.

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |      |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------|
|                                   |  |  |  |  |  |  |      |
| Movement                          | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | NBL                                                                               | NBR                                                                               |      |
| Lane Configurations               |  |                                                                                   |  |  |  |  |      |
| Volume (veh/h)                    | 725                                                                               | 45                                                                                | 18                                                                                | 639                                                                               | 47                                                                                | 39                                                                                |      |
| Sign Control                      | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              | Stop                                                                              |                                                                                   |      |
| Grade                             | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                | 0%                                                                                |                                                                                   |      |
| Peak Hour Factor                  | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              |      |
| Hourly flow rate (vph)            | 763                                                                               | 47                                                                                | 19                                                                                | 673                                                                               | 49                                                                                | 41                                                                                |      |
| Pedestrians                       | 5                                                                                 |                                                                                   |                                                                                   | 1                                                                                 | 1                                                                                 |                                                                                   |      |
| Lane Width (ft)                   | 12.0                                                                              |                                                                                   |                                                                                   | 12.0                                                                              | 12.0                                                                              |                                                                                   |      |
| Walking Speed (ft/s)              | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               | 4.0                                                                               |                                                                                   |      |
| Percent Blockage                  | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |      |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |      |
| Median type                       | TWLT                                                                              |                                                                                   |                                                                                   | TWLT                                                                              |                                                                                   |                                                                                   |      |
| Median storage veh                | 2                                                                                 |                                                                                   |                                                                                   | 2                                                                                 |                                                                                   |                                                                                   |      |
| Upstream signal (ft)              | 703                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |      |
| pX, platoon unblocked             |                                                                                   |                                                                                   | 0.87                                                                              |                                                                                   | 0.87                                                                              | 0.87                                                                              |      |
| vC, conflicting volume            |                                                                                   |                                                                                   | 812                                                                               |                                                                                   | 1167                                                                              | 407                                                                               |      |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 788                                                                               |                                                                                   |      |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 379                                                                               |                                                                                   |      |
| vCu, unblocked vol                |                                                                                   |                                                                                   | 496                                                                               |                                                                                   | 903                                                                               | 34                                                                                |      |
| tC, single (s)                    |                                                                                   |                                                                                   | 4.2                                                                               |                                                                                   | 6.9                                                                               | 7.0                                                                               |      |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 5.9                                                                               |                                                                                   |      |
| tF (s)                            |                                                                                   |                                                                                   | 2.3                                                                               |                                                                                   | 3.5                                                                               | 3.3                                                                               |      |
| p0 queue free %                   |                                                                                   |                                                                                   | 98                                                                                |                                                                                   | 89                                                                                | 95                                                                                |      |
| cM capacity (veh/h)               |                                                                                   |                                                                                   | 905                                                                               |                                                                                   | 442                                                                               | 897                                                                               |      |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | WB 1                                                                              | WB 2                                                                              | WB 3                                                                              | NB 1                                                                              | NB 2 |
| Volume Total                      | 509                                                                               | 302                                                                               | 19                                                                                | 336                                                                               | 336                                                                               | 49                                                                                | 41   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 19                                                                                | 0                                                                                 | 0                                                                                 | 49                                                                                | 0    |
| Volume Right                      | 0                                                                                 | 47                                                                                | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 41   |
| cSH                               | 1700                                                                              | 1700                                                                              | 905                                                                               | 1700                                                                              | 1700                                                                              | 442                                                                               | 897  |
| Volume to Capacity                | 0.30                                                                              | 0.18                                                                              | 0.02                                                                              | 0.20                                                                              | 0.20                                                                              | 0.11                                                                              | 0.05 |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 2                                                                                 | 0                                                                                 | 0                                                                                 | 9                                                                                 | 4    |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 9.1                                                                               | 0.0                                                                               | 0.0                                                                               | 14.2                                                                              | 9.2  |
| Lane LOS                          |                                                                                   |                                                                                   | A                                                                                 |                                                                                   |                                                                                   | B                                                                                 | A    |
| Approach Delay (s)                | 0.0                                                                               |                                                                                   | 0.2                                                                               |                                                                                   |                                                                                   | 11.9                                                                              |      |
| Approach LOS                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | B                                                                                 |      |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |      |
| Average Delay                     |                                                                                   |                                                                                   | 0.8                                                                               |                                                                                   |                                                                                   |                                                                                   |      |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 33.6%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   | A    |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |      |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |      |

Existing Traffic Conditions  
25: OR-66 & I-5 Southbound Exit Ramp

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |  |                                                                                   |  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |  |  |
| Volume (vph)                      | 0                                                                                 | 748                                                                               | 48                                                                                | 18                                                                                | 257                                                                               | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 138                                                                                 | 0                                                                                   | 339                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)               | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 150                                                                                 |
| Storage Lanes                     | 0                                                                                 |                                                                                   | 1                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 1                                                                                   |
| Taper Length (ft)                 | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   |                                                                                   | 0.850                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 0.850                                                                               |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.997                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1733                                                                              | 1458                                                                              | 0                                                                                 | 1706                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1614                                                                                | 1458                                                                                |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.997                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.950                                                                               |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1733                                                                              | 1458                                                                              | 0                                                                                 | 1706                                                                              | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 1614                                                                                | 1458                                                                                |
| Link Speed (mph)                  |                                                                                   | 35                                                                                |                                                                                   |                                                                                   | 35                                                                                |                                                                                   |                                                                                    | 40                                                                                  |                                                                                     |                                                                                     | 40                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 442                                                                               |                                                                                   |                                                                                   | 581                                                                               |                                                                                   |                                                                                    | 572                                                                                 |                                                                                     |                                                                                     | 571                                                                                 |                                                                                     |
| Travel Time (s)                   |                                                                                   | 8.6                                                                               |                                                                                   |                                                                                   | 11.3                                                                              |                                                                                   |                                                                                    | 9.8                                                                                 |                                                                                     |                                                                                     | 9.7                                                                                 |                                                                                     |
| Confl. Peds. (#/hr)               | 2                                                                                 |                                                                                   | 4                                                                                 | 4                                                                                 |                                                                                   | 2                                                                                 |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                               | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 1%                                                                                | 2%                                                                                | 6%                                                                                | 2%                                                                                | 0%                                                                                | 0%                                                                                 | 0%                                                                                  | 0%                                                                                  | 3%                                                                                  | 0%                                                                                  | 2%                                                                                  |
| Adj. Flow (vph)                   | 0                                                                                 | 771                                                                               | 49                                                                                | 19                                                                                | 265                                                                               | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 142                                                                                 | 0                                                                                   | 349                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 771                                                                               | 49                                                                                | 0                                                                                 | 284                                                                               | 0                                                                                 | 0                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   | 142                                                                                 | 349                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   | Yes                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 57.7%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ICU Level of Service B                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
25: OR-66 & I-5 Southbound Exit Ramp

Weekday PM Peak Hour

10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |  |                                                                                   |  |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Volume (veh/h)                    | 0                                                                                 | 748                                                                               | 48                                                                                | 18                                                                                | 257                                                                               | 0                                                                                 | 0                                                                                   | 0                                                                                   | 0                                                                                   | 138                                                                                 | 0                                                                                   | 339                                                                                 |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                     | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                     | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                              | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                | 0.97                                                                                |
| Hourly flow rate (vph)            | 0                                                                                 | 771                                                                               | 49                                                                                | 19                                                                                | 265                                                                               | 0                                                                                 | 0                                                                                   | 0                                                                                   | 0                                                                                   | 142                                                                                 | 0                                                                                   | 349                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 4                                                                                   |                                                                                     |                                                                                     | 2                                                                                   |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 0.0                                                                                 |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 6                                                                                   |
| Median type                       | TWLTL                                                                             |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median storage veh                | 2                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              | 1145                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   | 0.78                                                                              |                                                                                   |                                                                                   | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                |                                                                                     |
| vC, conflicting volume            | 267                                                                               |                                                                                   |                                                                                   | 825                                                                               |                                                                                   |                                                                                   | 1077                                                                                | 1079                                                                                | 775                                                                                 | 1075                                                                                | 1129                                                                                | 267                                                                                 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 775                                                                                 | 775                                                                                 |                                                                                     | 304                                                                                 | 304                                                                                 |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 302                                                                                 | 304                                                                                 |                                                                                     | 771                                                                                 | 825                                                                                 |                                                                                     |
| vCu, unblocked vol                | 267                                                                               |                                                                                   |                                                                                   | 636                                                                               |                                                                                   |                                                                                   | 959                                                                                 | 961                                                                                 | 572                                                                                 | 956                                                                                 | 1025                                                                                | 267                                                                                 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   | 4.2                                                                               |                                                                                   |                                                                                   | 7.1                                                                                 | 6.5                                                                                 | 6.2                                                                                 | 7.1                                                                                 | 6.5                                                                                 | 6.2                                                                                 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 6.1                                                                                 | 5.5                                                                                 |                                                                                     | 6.1                                                                                 | 5.5                                                                                 |                                                                                     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   | 2.3                                                                               |                                                                                   |                                                                                   | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 |
| p0 queue free %                   | 100                                                                               |                                                                                   |                                                                                   | 97                                                                                |                                                                                   |                                                                                   | 100                                                                                 | 100                                                                                 | 100                                                                                 | 59                                                                                  | 100                                                                                 | 55                                                                                  |
| cM capacity (veh/h)               | 1306                                                                              |                                                                                   |                                                                                   | 726                                                                               |                                                                                   |                                                                                   | 285                                                                                 | 364                                                                                 | 409                                                                                 | 349                                                                                 | 329                                                                                 | 770                                                                                 |
| Direction, Lane #                 | EB 1                                                                              | EB 2                                                                              | WB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 771                                                                               | 49                                                                                | 284                                                                               | 492                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 19                                                                                | 142                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 0                                                                                 | 49                                                                                | 0                                                                                 | 349                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 1700                                                                              | 1700                                                                              | 726                                                                               | 1084                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.45                                                                              | 0.03                                                                              | 0.03                                                                              | 0.45                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 2                                                                                 | 60                                                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.9                                                                               | 16.0                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          |                                                                                   |                                                                                   | A                                                                                 | C                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 0.0                                                                               |                                                                                   | 0.9                                                                               | 16.0                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      |                                                                                   |                                                                                   |                                                                                   | C                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 5.1                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 57.7%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     | B                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |



Existing Traffic Conditions  
26: OR-66 & I-5 Northbound Exit Ramp

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |  |  |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |  |                                                                                     |                                                                                     |                                                                                     |  |  |
| Volume (vph)                      | 456                                                                               | 429                                                                               | 0                                                                                 | 0                                                                                 | 238                                                                               | 190                                                                               | 37                                                                                 | 0                                                                                   | 35                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   |  |  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |  |  |
| Storage Length (ft)               | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 150                                                                                 | 0                                                                                   |                                                                                     | 0                                                                                   |  |  |
| Storage Lanes                     | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 1                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |  |  |
| Taper Length (ft)                 | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |  |  |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |  |  |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.940                                                                             |                                                                                   |                                                                                    |                                                                                     | 0.850                                                                               |                                                                                     |                                                                                     |                                                                                     |  |  |
| Flt Protected                     | 0.975                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |                                                                                     |  |  |
| Satd. Flow (prot)                 | 0                                                                                 | 1673                                                                              | 0                                                                                 | 0                                                                                 | 1587                                                                              | 0                                                                                 | 0                                                                                  | 1568                                                                                | 1365                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   |  |  |
| Flt Permitted                     | 0.975                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 0.950                                                                               |                                                                                     |                                                                                     |                                                                                     |  |  |
| Satd. Flow (perm)                 | 0                                                                                 | 1673                                                                              | 0                                                                                 | 0                                                                                 | 1587                                                                              | 0                                                                                 | 0                                                                                  | 1568                                                                                | 1365                                                                                | 0                                                                                   | 0                                                                                   | 0                                                                                   |  |  |
| Link Speed (mph)                  | 35                                                                                |                                                                                   | 35                                                                                |                                                                                   |                                                                                   |                                                                                   | 40                                                                                 |                                                                                     |                                                                                     |                                                                                     | 40                                                                                  |                                                                                     |  |  |
| Link Distance (ft)                | 581                                                                               |                                                                                   | 777                                                                               |                                                                                   |                                                                                   |                                                                                   | 456                                                                                |                                                                                     |                                                                                     |                                                                                     | 764                                                                                 |                                                                                     |  |  |
| Travel Time (s)                   | 11.3                                                                              |                                                                                   | 15.1                                                                              |                                                                                   |                                                                                   |                                                                                   | 7.8                                                                                |                                                                                     |                                                                                     |                                                                                     | 13.0                                                                                |                                                                                     |  |  |
| Confl. Peds. (#/hr)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 2                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |  |  |
| Heavy Vehicles (%)                | 2%                                                                                | 2%                                                                                | 0%                                                                                | 0%                                                                                | 1%                                                                                | 7%                                                                                | 6%                                                                                 | 0%                                                                                  | 9%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |  |  |
| Adj. Flow (vph)                   | 496                                                                               | 466                                                                               | 0                                                                                 | 0                                                                                 | 259                                                                               | 207                                                                               | 40                                                                                 | 0                                                                                   | 38                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   |  |  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Lane Group Flow (vph)             | 0                                                                                 | 962                                                                               | 0                                                                                 | 0                                                                                 | 466                                                                               | 0                                                                                 | 0                                                                                  | 40                                                                                  | 38                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   |  |  |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |  |  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |  |  |
| Median Width(ft)                  | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   | 0                                                                                  |                                                                                     |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |  |  |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   | 0                                                                                  |                                                                                     |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |  |  |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   |                                                                                   | 16                                                                                 |                                                                                     |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |  |  |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |  |  |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |  |  |
| Sign Control                      | Free                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   |                                                                                   | Stop                                                                               |                                                                                     |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |  |  |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Intersection Capacity Utilization | 97.0%                                                                             |                                                                                   |                                                                                   |                                                                                   | ICU Level of Service F                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |

Existing Traffic Conditions  
26: OR-66 & I-5 Northbound Exit Ramp

Weekday PM Peak Hour

10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |  |                                                                                     |                                                                                     |                                                                                     |
| Volume (veh/h)                    | 456                                                                               | 429                                                                               | 0                                                                                 | 0                                                                                 | 238                                                                               | 190                                                                               | 37                                                                                 | 0                                                                                   | 35                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Sign Control                      |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |                                                                                   |                                                                                    | Stop                                                                                |                                                                                     |                                                                                     | Stop                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Hourly flow rate (vph)            | 496                                                                               | 466                                                                               | 0                                                                                 | 0                                                                                 | 259                                                                               | 207                                                                               | 40                                                                                 | 0                                                                                   | 38                                                                                  | 0                                                                                   | 0                                                                                   | 0                                                                                   |
| Pedestrians                       |                                                                                   | 2                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 6                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 465                                                                               |                                                                                   |                                                                                   | 466                                                                               |                                                                                   |                                                                                   | 1822                                                                               | 1923                                                                                | 466                                                                                 | 1820                                                                                | 1820                                                                                | 364                                                                                 |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 465                                                                               |                                                                                   |                                                                                   | 466                                                                               |                                                                                   |                                                                                   | 1822                                                                               | 1923                                                                                | 466                                                                                 | 1820                                                                                | 1820                                                                                | 364                                                                                 |
| tC, single (s)                    | 4.1                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |                                                                                   | 7.2                                                                                | 6.5                                                                                 | 6.3                                                                                 | 7.1                                                                                 | 6.5                                                                                 | 6.2                                                                                 |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 2.2                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |                                                                                   | 3.6                                                                                | 4.0                                                                                 | 3.4                                                                                 | 3.5                                                                                 | 4.0                                                                                 | 3.3                                                                                 |
| p0 queue free %                   | 55                                                                                |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   | 0                                                                                  | 100                                                                                 | 93                                                                                  | 100                                                                                 | 100                                                                                 | 100                                                                                 |
| cM capacity (veh/h)               | 1096                                                                              |                                                                                   |                                                                                   | 1106                                                                              |                                                                                   |                                                                                   | 38                                                                                 | 37                                                                                  | 582                                                                                 | 37                                                                                  | 43                                                                                  | 684                                                                                 |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 962                                                                               | 465                                                                               | 78                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 496                                                                               | 0                                                                                 | 40                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 0                                                                                 | 207                                                                               | 38                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 1096                                                                              | 1700                                                                              | 73                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.45                                                                              | 0.27                                                                              | 1.07                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 60                                                                                | 0                                                                                 | 144                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 9.0                                                                               | 0.0                                                                               | 176.2                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | A                                                                                 |                                                                                   | F                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 9.0                                                                               | 0.0                                                                               | 176.2                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      |                                                                                   |                                                                                   | F                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 14.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 97.0%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     | F                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
27: Oak Knoll Dr & OR-66

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |  |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 76                                                                                | 7                                                                                 | 45                                                                                | 17                                                                                | 4                                                                                 | 0                                                                                 | 12                                                                                 | 253                                                                                 | 26                                                                                  | 1                                                                                   | 252                                                                                 | 79                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Storage Length (ft)               | 0                                                                                 |                                                                                   | 0                                                                                 | 25                                                                                |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Storage Lanes                     | 0                                                                                 |                                                                                   | 0                                                                                 | 1                                                                                 |                                                                                   | 0                                                                                 | 0                                                                                  |                                                                                     | 0                                                                                   | 0                                                                                   |                                                                                     | 0                                                                                   |
| Taper Length (ft)                 | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                |                                                                                   | 25                                                                                | 25                                                                                 |                                                                                     | 25                                                                                  | 25                                                                                  |                                                                                     | 25                                                                                  |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.953                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | 0.988                                                                               |                                                                                     |                                                                                     | 0.968                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.971                                                                             |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.998                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1500                                                                              | 0                                                                                 | 1662                                                                              | 1400                                                                              | 0                                                                                 | 0                                                                                  | 1528                                                                                | 0                                                                                   | 0                                                                                   | 1559                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.971                                                                             |                                                                                   | 0.950                                                                             |                                                                                   |                                                                                   |                                                                                    | 0.998                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1500                                                                              | 0                                                                                 | 1662                                                                              | 1400                                                                              | 0                                                                                 | 0                                                                                  | 1528                                                                                | 0                                                                                   | 0                                                                                   | 1559                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 40                                                                                |                                                                                   |                                                                                    | 35                                                                                  |                                                                                     |                                                                                     | 35                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 443                                                                               |                                                                                   |                                                                                   | 782                                                                               |                                                                                   |                                                                                    | 1306                                                                                |                                                                                     |                                                                                     | 592                                                                                 |                                                                                     |
| Travel Time (s)                   |                                                                                   | 12.1                                                                              |                                                                                   |                                                                                   | 13.3                                                                              |                                                                                   |                                                                                    | 25.4                                                                                |                                                                                     |                                                                                     | 11.5                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     |                                                                                     |
| Peak Hour Factor                  | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                               | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Heavy Vehicles (%)                | 8%                                                                                | 14%                                                                               | 7%                                                                                | 0%                                                                                | 25%                                                                               | 0%                                                                                | 18%                                                                                | 14%                                                                                 | 0%                                                                                  | 0%                                                                                  | 8%                                                                                  | 11%                                                                                 |
| Adj. Flow (vph)                   | 80                                                                                | 7                                                                                 | 47                                                                                | 18                                                                                | 4                                                                                 | 0                                                                                 | 13                                                                                 | 266                                                                                 | 27                                                                                  | 1                                                                                   | 265                                                                                 | 83                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 134                                                                               | 0                                                                                 | 18                                                                                | 4                                                                                 | 0                                                                                 | 0                                                                                  | 306                                                                                 | 0                                                                                   | 0                                                                                   | 349                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 12                                                                                |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | -40                                                                               |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                 |                                                                                     | 15                                                                                  | 15                                                                                  |                                                                                     | 15                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 47.3%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
27: Oak Knoll Dr & OR-66

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |  |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 76                                                                                | 7                                                                                 | 45                                                                                | 17                                                                                | 4                                                                                 | 0                                                                                 | 12                                                                                  | 253                                                                                 | 26                                                                                  | 1                                                                                   | 252                                                                                 | 79                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                     | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                              | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                | 0.95                                                                                |
| Hourly flow rate (vph)            | 80                                                                                | 7                                                                                 | 47                                                                                | 18                                                                                | 4                                                                                 | 0                                                                                 | 13                                                                                  | 266                                                                                 | 27                                                                                  | 1                                                                                   | 265                                                                                 | 83                                                                                  |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 2                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 616                                                                               | 603                                                                               | 307                                                                               | 667                                                                               | 575                                                                               | 282                                                                               | 265                                                                                 |                                                                                     |                                                                                     | 268                                                                                 |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 616                                                                               | 603                                                                               | 307                                                                               | 667                                                                               | 575                                                                               | 282                                                                               | 265                                                                                 |                                                                                     |                                                                                     | 268                                                                                 |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.2                                                                               | 6.6                                                                               | 6.3                                                                               | 7.1                                                                               | 6.8                                                                               | 6.2                                                                               | 4.3                                                                                 |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.6                                                                               | 4.1                                                                               | 3.4                                                                               | 3.5                                                                               | 4.2                                                                               | 3.3                                                                               | 2.4                                                                                 |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 79                                                                                | 98                                                                                | 93                                                                                | 95                                                                                | 99                                                                                | 100                                                                               | 99                                                                                  |                                                                                     |                                                                                     | 100                                                                                 |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 387                                                                               | 393                                                                               | 722                                                                               | 341                                                                               | 394                                                                               | 760                                                                               | 1211                                                                                |                                                                                     |                                                                                     | 1305                                                                                |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | WB 2                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 135                                                                               | 18                                                                                | 4                                                                                 | 306                                                                               | 349                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 80                                                                                | 18                                                                                | 0                                                                                 | 13                                                                                | 1                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 47                                                                                | 0                                                                                 | 0                                                                                 | 27                                                                                | 83                                                                                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 463                                                                               | 341                                                                               | 394                                                                               | 1211                                                                              | 1305                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.29                                                                              | 0.05                                                                              | 0.01                                                                              | 0.01                                                                              | 0.00                                                                              |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 30                                                                                | 4                                                                                 | 1                                                                                 | 1                                                                                 | 0                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 15.9                                                                              | 16.1                                                                              | 14.2                                                                              | 0.4                                                                               | 0.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | C                                                                                 | C                                                                                 | B                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 15.9                                                                              | 15.8                                                                              |                                                                                   | 0.4                                                                               | 0.0                                                                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | C                                                                                 | C                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 3.2                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 47.3%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
28: Dead Indian Memorial Rd & OR-66

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |  |                                                                                   |  |                                                                                   |                                                                                   |  |
| Volume (vph)                      | 6                                                                                 | 89                                                                                | 228                                                                               | 8                                                                                 | 74                                                                                | 250                                                                               |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Frt                               | 0.873                                                                             |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     | 0.997                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.989                                                                             |
| Satd. Flow (prot)                 | 1495                                                                              | 0                                                                                 | 1646                                                                              | 0                                                                                 | 0                                                                                 | 1656                                                                              |
| Flt Permitted                     | 0.997                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 0.989                                                                             |
| Satd. Flow (perm)                 | 1495                                                                              | 0                                                                                 | 1646                                                                              | 0                                                                                 | 0                                                                                 | 1656                                                                              |
| Link Speed (mph)                  | 55                                                                                |                                                                                   | 40                                                                                |                                                                                   |                                                                                   | 35                                                                                |
| Link Distance (ft)                | 285                                                                               |                                                                                   | 716                                                                               |                                                                                   |                                                                                   | 1306                                                                              |
| Travel Time (s)                   | 3.5                                                                               |                                                                                   | 12.2                                                                              |                                                                                   |                                                                                   | 25.4                                                                              |
| Confl. Peds. (#/hr)               | 2                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Peak Hour Factor                  | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              |
| Heavy Vehicles (%)                | 0%                                                                                | 2%                                                                                | 6%                                                                                | 0%                                                                                | 3%                                                                                | 5%                                                                                |
| Adj. Flow (vph)                   | 6                                                                                 | 96                                                                                | 245                                                                               | 9                                                                                 | 80                                                                                | 269                                                                               |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 102                                                                               | 0                                                                                 | 254                                                                               | 0                                                                                 | 0                                                                                 | 349                                                                               |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              |
| Median Width(ft)                  | 12                                                                                |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 48.6%                                                                             |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
28: Dead Indian Memorial Rd & OR-66

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |  |                                                                                   |  |                                                                                   |                                                                                   |  |
| Volume (veh/h)                    | 6                                                                                 | 89                                                                                | 228                                                                               | 8                                                                                 | 74                                                                                | 250                                                                               |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Grade                             | 0%                                                                                |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |
| Peak Hour Factor                  | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              | 0.93                                                                              |
| Hourly flow rate (vph)            | 6                                                                                 | 96                                                                                | 245                                                                               | 9                                                                                 | 80                                                                                | 269                                                                               |
| Pedestrians                       |                                                                                   |                                                                                   | 2                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 679                                                                               | 249                                                                               |                                                                                   |                                                                                   | 245                                                                               |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 679                                                                               | 249                                                                               |                                                                                   |                                                                                   | 245                                                                               |                                                                                   |
| tC, single (s)                    | 6.4                                                                               | 6.2                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |
| p0 queue free %                   | 98                                                                                | 88                                                                                |                                                                                   |                                                                                   | 94                                                                                |                                                                                   |
| cM capacity (veh/h)               | 394                                                                               | 789                                                                               |                                                                                   |                                                                                   | 1315                                                                              |                                                                                   |
| Direction, Lane #                 | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 102                                                                               | 254                                                                               | 348                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 6                                                                                 | 0                                                                                 | 80                                                                                |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 96                                                                                | 9                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 742                                                                               | 1700                                                                              | 1315                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.14                                                                              | 0.15                                                                              | 0.06                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 12                                                                                | 0                                                                                 | 5                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 10.6                                                                              | 0.0                                                                               | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | B                                                                                 |                                                                                   | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 10.6                                                                              | 0.0                                                                               | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | B                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 2.7                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 48.6%                                                                             | ICU Level of Service                                                              |                                                                                   | A                                                                                 |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
29: Mistletoe Rd & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 14                                                                                | 0                                                                                 | 4                                                                                 | 7                                                                                 | 1                                                                                 | 41                                                                                | 1                                                                                  | 217                                                                                 | 8                                                                                   | 21                                                                                  | 231                                                                                 | 19                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.972                                                                             |                                                                                   |                                                                                   | 0.887                                                                             |                                                                                   |                                                                                    | 0.995                                                                               |                                                                                     |                                                                                     | 0.990                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.962                                                                             |                                                                                   |                                                                                   | 0.993                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.996                                                                               |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1636                                                                              | 0                                                                                 | 0                                                                                 | 1541                                                                              | 0                                                                                 | 0                                                                                  | 1693                                                                                | 0                                                                                   | 0                                                                                   | 1656                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.962                                                                             |                                                                                   |                                                                                   | 0.993                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 0.996                                                                               |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1636                                                                              | 0                                                                                 | 0                                                                                 | 1541                                                                              | 0                                                                                 | 0                                                                                  | 1693                                                                                | 0                                                                                   | 0                                                                                   | 1656                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 505                                                                               |                                                                                   |                                                                                   | 897                                                                               |                                                                                   |                                                                                    | 2513                                                                                |                                                                                     |                                                                                     | 1154                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 13.8                                                                              |                                                                                   |                                                                                   | 24.5                                                                              |                                                                                   |                                                                                    | 68.5                                                                                |                                                                                     |                                                                                     | 31.5                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               | 1                                                                                 |                                                                                   | 1                                                                                 | 1                                                                                 |                                                                                   | 1                                                                                 | 16                                                                                 |                                                                                     | 2                                                                                   | 2                                                                                   |                                                                                     | 16                                                                                  |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                               | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                 | 3%                                                                                  | 0%                                                                                  | 5%                                                                                  | 4%                                                                                  | 6%                                                                                  |
| Adj. Flow (vph)                   | 15                                                                                | 0                                                                                 | 4                                                                                 | 8                                                                                 | 1                                                                                 | 45                                                                                | 1                                                                                  | 236                                                                                 | 9                                                                                   | 23                                                                                  | 251                                                                                 | 21                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 19                                                                                | 0                                                                                 | 0                                                                                 | 54                                                                                | 0                                                                                 | 0                                                                                  | 246                                                                                 | 0                                                                                   | 0                                                                                   | 295                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 12                                                                                  |                                                                                     |                                                                                     | 12                                                                                  |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 42.8%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
29: Mistletoe Rd & Tolman Creek Rd

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |  |  |  |  |  |  |  |  |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |  |  |  |  |  |  |  |  |
| Volume (veh/h)                    | 14                                                                                | 0                                                                                 | 4                                                                                 | 7                                                                                 | 1                                                                                 | 41                                                                                | 1                                                                                   | 217                                                                                 | 8                                                                                   | 21                                                                                  | 231                                                                                 | 19                                                                                  |  |  |  |  |  |  |  |  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |  |  |  |  |  |  |  |  |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                     | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |  |  |  |  |  |  |  |  |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                | 0.92                                                                                |  |  |  |  |  |  |  |  |
| Hourly flow rate (vph)            | 15                                                                                | 0                                                                                 | 4                                                                                 | 8                                                                                 | 1                                                                                 | 45                                                                                | 1                                                                                   | 236                                                                                 | 9                                                                                   | 23                                                                                  | 251                                                                                 | 21                                                                                  |  |  |  |  |  |  |  |  |
| Pedestrians                       |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 2                                                                                 |                                                                                   |                                                                                     | 1                                                                                   |                                                                                     |                                                                                     | 1                                                                                   |                                                                                     |  |  |  |  |  |  |  |  |
| Lane Width (ft)                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                     | 12.0                                                                                |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |  |  |  |  |  |  |  |  |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                     | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |  |  |  |  |  |  |  |  |
| Percent Blockage                  |                                                                                   | 1                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |  |  |  |  |  |  |  |  |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |  |  |  |  |  |  |  |  |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 1154                                                                                |                                                                                     |  |  |  |  |  |  |  |  |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| vC, conflicting volume            | 612                                                                               | 572                                                                               | 278                                                                               | 557                                                                               | 578                                                                               | 243                                                                               | 288                                                                                 |                                                                                     |                                                                                     | 247                                                                                 |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| vCu, unblocked vol                | 612                                                                               | 572                                                                               | 278                                                                               | 557                                                                               | 578                                                                               | 243                                                                               | 288                                                                                 |                                                                                     |                                                                                     | 247                                                                                 |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| tC, single (s)                    | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 4.1                                                                                 |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| tF (s)                            | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                 |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| p0 queue free %                   | 96                                                                                | 100                                                                               | 99                                                                                | 98                                                                                | 100                                                                               | 94                                                                                | 100                                                                                 |                                                                                     |                                                                                     | 98                                                                                  |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| cM capacity (veh/h)               | 370                                                                               | 419                                                                               | 754                                                                               | 429                                                                               | 415                                                                               | 799                                                                               | 1269                                                                                |                                                                                     |                                                                                     | 1300                                                                                |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Volume Total                      | 20                                                                                | 53                                                                                | 246                                                                               | 295                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Volume Left                       | 15                                                                                | 8                                                                                 | 1                                                                                 | 23                                                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Volume Right                      | 4                                                                                 | 45                                                                                | 9                                                                                 | 21                                                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| cSH                               | 417                                                                               | 699                                                                               | 1269                                                                              | 1300                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Volume to Capacity                | 0.05                                                                              | 0.08                                                                              | 0.00                                                                              | 0.02                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Queue Length 95th (ft)            | 4                                                                                 | 6                                                                                 | 0                                                                                 | 1                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Control Delay (s)                 | 14.1                                                                              | 10.6                                                                              | 0.0                                                                               | 0.8                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Lane LOS                          | B                                                                                 | B                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Approach Delay (s)                | 14.1                                                                              | 10.6                                                                              | 0.0                                                                               | 0.8                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Approach LOS                      | B                                                                                 | B                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Average Delay                     |                                                                                   |                                                                                   | 1.7                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 42.8%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |  |  |  |  |  |  |



Existing Traffic Conditions  
30: Nutley St & Granite St

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 1                                                                                 | 5                                                                                 | 2                                                                                 | 2                                                                                 | 8                                                                                 | 17                                                                                | 3                                                                                  | 22                                                                                  | 6                                                                                   | 1                                                                                   | 22                                                                                  | 7                                                                                   |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                               | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                               | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.960                                                                             |                                                                                   |                                                                                   | 0.915                                                                             |                                                                                   |                                                                                    | 0.973                                                                               |                                                                                     |                                                                                     | 0.968                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   | 0.996                                                                             |                                                                                   |                                                                                    | 0.995                                                                               |                                                                                     |                                                                                     | 0.999                                                                               |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1672                                                                              | 0                                                                                 | 0                                                                                 | 1595                                                                              | 0                                                                                 | 0                                                                                  | 1637                                                                                | 0                                                                                   | 0                                                                                   | 1638                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   | 0.996                                                                             |                                                                                   |                                                                                    | 0.995                                                                               |                                                                                     |                                                                                     | 0.999                                                                               |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1672                                                                              | 0                                                                                 | 0                                                                                 | 1595                                                                              | 0                                                                                 | 0                                                                                  | 1637                                                                                | 0                                                                                   | 0                                                                                   | 1638                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                    | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 300                                                                               |                                                                                   |                                                                                   | 392                                                                               |                                                                                   |                                                                                    | 678                                                                                 |                                                                                     |                                                                                     | 1183                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 8.2                                                                               |                                                                                   |                                                                                   | 10.7                                                                              |                                                                                   |                                                                                    | 18.5                                                                                |                                                                                     |                                                                                     | 32.3                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               | 10                                                                                |                                                                                   | 3                                                                                 | 3                                                                                 |                                                                                   | 10                                                                                | 12                                                                                 |                                                                                     | 9                                                                                   | 9                                                                                   |                                                                                     | 12                                                                                  |
| Peak Hour Factor                  | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                               | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                 | 5%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 14%                                                                                 |
| Adj. Flow (vph)                   | 1                                                                                 | 6                                                                                 | 3                                                                                 | 3                                                                                 | 10                                                                                | 22                                                                                | 4                                                                                  | 28                                                                                  | 8                                                                                   | 1                                                                                   | 28                                                                                  | 9                                                                                   |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 10                                                                                | 0                                                                                 | 0                                                                                 | 35                                                                                | 0                                                                                 | 0                                                                                  | 40                                                                                  | 0                                                                                   | 0                                                                                   | 38                                                                                  | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                 | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                               | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                    | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                    | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                               | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                 |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 19.5%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
30: Nutley St & Granite St

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 1                                                                                 | 5                                                                                 | 2                                                                                 | 2                                                                                 | 8                                                                                 | 17                                                                                | 3                                                                                   | 22                                                                                  | 6                                                                                   | 1                                                                                   | 22                                                                                  | 7                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                     | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                              | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                | 0.78                                                                                |
| Hourly flow rate (vph)            | 1                                                                                 | 6                                                                                 | 3                                                                                 | 3                                                                                 | 10                                                                                | 22                                                                                | 4                                                                                   | 28                                                                                  | 8                                                                                   | 1                                                                                   | 28                                                                                  | 9                                                                                   |
| Pedestrians                       |                                                                                   | 12                                                                                |                                                                                   |                                                                                   | 9                                                                                 |                                                                                   |                                                                                     | 3                                                                                   |                                                                                     |                                                                                     | 10                                                                                  |                                                                                     |
| Lane Width (ft)                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                   | 12.0                                                                              |                                                                                   |                                                                                     | 12.0                                                                                |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                     | 4.0                                                                                 |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Percent Blockage                  |                                                                                   | 1                                                                                 |                                                                                   |                                                                                   | 1                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 1                                                                                   |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage veh)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 124                                                                               | 100                                                                               | 48                                                                                | 93                                                                                | 100                                                                               | 51                                                                                | 49                                                                                  |                                                                                     |                                                                                     | 45                                                                                  |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 124                                                                               | 100                                                                               | 48                                                                                | 93                                                                                | 100                                                                               | 51                                                                                | 49                                                                                  |                                                                                     |                                                                                     | 45                                                                                  |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 4.1                                                                                 |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                 |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 100                                                                               | 99                                                                                | 100                                                                               | 100                                                                               | 99                                                                                | 98                                                                                | 100                                                                                 |                                                                                     |                                                                                     | 100                                                                                 |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 800                                                                               | 778                                                                               | 1014                                                                              | 865                                                                               | 777                                                                               | 1007                                                                              | 1555                                                                                |                                                                                     |                                                                                     | 1564                                                                                |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 10                                                                                | 35                                                                                | 40                                                                                | 38                                                                                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 1                                                                                 | 3                                                                                 | 4                                                                                 | 1                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 3                                                                                 | 22                                                                                | 8                                                                                 | 9                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 829                                                                               | 915                                                                               | 1555                                                                              | 1564                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.01                                                                              | 0.04                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 1                                                                                 | 3                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 9.4                                                                               | 9.1                                                                               | 0.7                                                                               | 0.2                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | A                                                                                 | A                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 9.4                                                                               | 9.1                                                                               | 0.7                                                                               | 0.2                                                                               |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 3.7                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 19.5%                                                                             |                                                                                   | ICU Level of Service                                                              |                                                                                   |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
31: Ashland St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                 | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                     |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (vph)                      | 31                                                                                | 9                                                                                 | 2                                                                                 | 0                                                                                 | 4                                                                                 | 56                                                                                | 1                                                                                   | 17                                                                                  | 1                                                                                   | 44                                                                                  | 37                                                                                  | 43                                                                                  |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                | 1750                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                | 1.00                                                                                |
| Ped Bike Factor                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Frt                               |                                                                                   | 0.995                                                                             |                                                                                   |                                                                                   | 0.874                                                                             |                                                                                   |                                                                                     | 0.994                                                                               |                                                                                     |                                                                                     | 0.953                                                                               |                                                                                     |
| Flt Protected                     |                                                                                   | 0.964                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 0.998                                                                               |                                                                                     |                                                                                     | 0.983                                                                               |                                                                                     |
| Satd. Flow (prot)                 | 0                                                                                 | 1679                                                                              | 0                                                                                 | 0                                                                                 | 1501                                                                              | 0                                                                                 | 0                                                                                   | 1736                                                                                | 0                                                                                   | 0                                                                                   | 1639                                                                                | 0                                                                                   |
| Flt Permitted                     |                                                                                   | 0.964                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 0.998                                                                               |                                                                                     |                                                                                     | 0.983                                                                               |                                                                                     |
| Satd. Flow (perm)                 | 0                                                                                 | 1679                                                                              | 0                                                                                 | 0                                                                                 | 1501                                                                              | 0                                                                                 | 0                                                                                   | 1736                                                                                | 0                                                                                   | 0                                                                                   | 1639                                                                                | 0                                                                                   |
| Link Speed (mph)                  |                                                                                   | 25                                                                                |                                                                                   |                                                                                   | 25                                                                                |                                                                                   |                                                                                     | 25                                                                                  |                                                                                     |                                                                                     | 25                                                                                  |                                                                                     |
| Link Distance (ft)                |                                                                                   | 487                                                                               |                                                                                   |                                                                                   | 452                                                                               |                                                                                   |                                                                                     | 593                                                                                 |                                                                                     |                                                                                     | 1339                                                                                |                                                                                     |
| Travel Time (s)                   |                                                                                   | 13.3                                                                              |                                                                                   |                                                                                   | 12.3                                                                              |                                                                                   |                                                                                     | 16.2                                                                                |                                                                                     |                                                                                     | 36.5                                                                                |                                                                                     |
| Confl. Peds. (#/hr)               | 9                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 9                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Peak Hour Factor                  | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  | 0%                                                                                  |
| Adj. Flow (vph)                   | 38                                                                                | 11                                                                                | 2                                                                                 | 0                                                                                 | 5                                                                                 | 69                                                                                | 1                                                                                   | 21                                                                                  | 1                                                                                   | 54                                                                                  | 46                                                                                  | 53                                                                                  |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 51                                                                                | 0                                                                                 | 0                                                                                 | 74                                                                                | 0                                                                                 | 0                                                                                   | 23                                                                                  | 0                                                                                   | 0                                                                                   | 153                                                                                 | 0                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  | No                                                                                  |
| Lane Alignment                    | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Right                                                                             | Left                                                                                | Left                                                                                | Right                                                                               | Left                                                                                | Left                                                                                | Right                                                                               |
| Median Width(ft)                  |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Link Offset(ft)                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |                                                                                     | 0                                                                                   |                                                                                     |                                                                                     | 0                                                                                   |                                                                                     |
| Crosswalk Width(ft)               |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |                                                                                   |                                                                                     | 16                                                                                  |                                                                                     |                                                                                     | 16                                                                                  |                                                                                     |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                | 1.11                                                                                |
| Turning Speed (mph)               | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                |                                                                                   | 9                                                                                 | 15                                                                                  |                                                                                     | 9                                                                                   | 15                                                                                  |                                                                                     | 9                                                                                   |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                     | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization | 30.1%                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| ICU Level of Service A            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
31: Ashland St & Mountain Ave

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | WBR                                                                               | NBL                                                                                | NBT                                                                                 | NBR                                                                                 | SBL                                                                                 | SBT                                                                                 | SBR                                                                                 |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |  |                                                                                   |                                                                                    |  |                                                                                     |                                                                                     |  |                                                                                     |
| Volume (veh/h)                    | 31                                                                                | 9                                                                                 | 2                                                                                 | 0                                                                                 | 4                                                                                 | 56                                                                                | 1                                                                                  | 17                                                                                  | 1                                                                                   | 44                                                                                  | 37                                                                                  | 43                                                                                  |
| Sign Control                      |                                                                                   | Stop                                                                              |                                                                                   |                                                                                   | Stop                                                                              |                                                                                   |                                                                                    | Free                                                                                |                                                                                     |                                                                                     | Free                                                                                |                                                                                     |
| Grade                             |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |                                                                                   |                                                                                    | 0%                                                                                  |                                                                                     |                                                                                     | 0%                                                                                  |                                                                                     |
| Peak Hour Factor                  | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                              | 0.81                                                                               | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                | 0.81                                                                                |
| Hourly flow rate (vph)            | 38                                                                                | 11                                                                                | 2                                                                                 | 0                                                                                 | 5                                                                                 | 69                                                                                | 1                                                                                  | 21                                                                                  | 1                                                                                   | 54                                                                                  | 46                                                                                  | 53                                                                                  |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 9                                                                                   |                                                                                     |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 12.0                                                                                |                                                                                     |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 4.0                                                                                 |                                                                                     |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 1                                                                                   |                                                                                     |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Median type                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | None                                                                                |                                                                                     |                                                                                     | None                                                                                |                                                                                     |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC, conflicting volume            | 286                                                                               | 206                                                                               | 72                                                                                | 213                                                                               | 231                                                                               | 31                                                                                | 99                                                                                 |                                                                                     |                                                                                     | 22                                                                                  |                                                                                     |                                                                                     |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| vCu, unblocked vol                | 286                                                                               | 206                                                                               | 72                                                                                | 213                                                                               | 231                                                                               | 31                                                                                | 99                                                                                 |                                                                                     |                                                                                     | 22                                                                                  |                                                                                     |                                                                                     |
| tC, single (s)                    | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 7.1                                                                               | 6.5                                                                               | 6.2                                                                               | 4.1                                                                                |                                                                                     |                                                                                     | 4.1                                                                                 |                                                                                     |                                                                                     |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| tF (s)                            | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 3.5                                                                               | 4.0                                                                               | 3.3                                                                               | 2.2                                                                                |                                                                                     |                                                                                     | 2.2                                                                                 |                                                                                     |                                                                                     |
| p0 queue free %                   | 94                                                                                | 98                                                                                | 100                                                                               | 100                                                                               | 99                                                                                | 93                                                                                | 100                                                                                |                                                                                     |                                                                                     | 97                                                                                  |                                                                                     |                                                                                     |
| cM capacity (veh/h)               | 601                                                                               | 671                                                                               | 996                                                                               | 717                                                                               | 649                                                                               | 1036                                                                              | 1507                                                                               |                                                                                     |                                                                                     | 1606                                                                                |                                                                                     |                                                                                     |
| Direction, Lane #                 | EB 1                                                                              | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Total                      | 52                                                                                | 74                                                                                | 23                                                                                | 153                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Left                       | 38                                                                                | 0                                                                                 | 1                                                                                 | 54                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume Right                      | 2                                                                                 | 69                                                                                | 1                                                                                 | 53                                                                                |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| cSH                               | 627                                                                               | 996                                                                               | 1507                                                                              | 1606                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Volume to Capacity                | 0.08                                                                              | 0.07                                                                              | 0.00                                                                              | 0.03                                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Queue Length 95th (ft)            | 7                                                                                 | 6                                                                                 | 0                                                                                 | 3                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Control Delay (s)                 | 11.3                                                                              | 8.9                                                                               | 0.4                                                                               | 2.8                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Lane LOS                          | B                                                                                 | A                                                                                 | A                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach Delay (s)                | 11.3                                                                              | 8.9                                                                               | 0.4                                                                               | 2.8                                                                               |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Approach LOS                      | B                                                                                 | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Average Delay                     |                                                                                   |                                                                                   | 5.5                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 30.1%                                                                             | ICU Level of Service                                                              |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | A                                                                                   |                                                                                     |                                                                                     |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

Existing Traffic Conditions  
57: Lithia Way & OR-99

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | SBL                                                                               | SBR                                                                               | SEL                                                                               | SET                                                                               | NWT                                                                               | NWR                                                                               |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   | ↑↑                                                                                |                                                                                   | ↑↑                                                                                |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                              | 1.00                                                                              | 0.88                                                                              |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (prot)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3260                                                                              | 0                                                                                 | 3020                                                                              |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (perm)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3260                                                                              | 0                                                                                 | 3020                                                                              |
| Link Speed (mph)                  | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                | 30                                                                                |                                                                                   |
| Link Distance (ft)                | 147                                                                               |                                                                                   |                                                                                   | 236                                                                               | 3150                                                                              |                                                                                   |
| Travel Time (s)                   | 3.3                                                                               |                                                                                   |                                                                                   | 5.4                                                                               | 71.6                                                                              |                                                                                   |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Left                                                                              | Right                                                                             |
| Median Width(ft)                  | 0                                                                                 |                                                                                   |                                                                                   | 12                                                                                | 12                                                                                |                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                | 16                                                                                |                                                                                   |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                | 15                                                                                |                                                                                   |                                                                                   | 15                                                                                |
| Sign Control                      | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                              |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 0.0%                                                                              |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Intersection Sign configuration not allowed in HCM analysis.

## Existing Traffic Conditions

Weekday PM Peak Hour

66: Int

10/5/2010

|                                   |  |  |  |  |  |                                                                                    |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lane Group                        | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                                                                                                                 |
| Lane Configurations               |  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |   |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                                                                                                |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                                                                                                                |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Satd. Flow (prot)                 | 1750                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3325                                                                                                                                                                |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Satd. Flow (perm)                 | 1750                                                                              | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3325                                                                                                                                                                |
| Link Speed (mph)                  | 30                                                                                |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                                                                                                  |
| Link Distance (ft)                | 81                                                                                |                                                                                   | 189                                                                               |                                                                                   |                                                                                   | 128                                                                                                                                                                 |
| Travel Time (s)                   | 1.8                                                                               |                                                                                   | 4.3                                                                               |                                                                                   |                                                                                   | 2.9                                                                                                                                                                 |
| Peak Hour Factor                  | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                                                                                                                |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                                                                                                  |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                                                                                                  |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                                                                                                                |
| Median Width(ft)                  | 12                                                                                |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                                                                                                  |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                                                                                                |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                                                                                                     |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                                                                                                                |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |
| Intersection Capacity Utilization | 13.3%                                                                             |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                                                                                                     |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |  |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Grade                             | 0%                                                                                |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |
| Peak Hour Factor                  | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 128                                                                               |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| tC, single (s)                    | 6.8                                                                               | 6.9                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |
| cM capacity (veh/h)               | 1029                                                                              | 1091                                                                              |                                                                                   |                                                                                   | 1636                                                                              |                                                                                   |
| Direction, Lane #                 | WB 1                                                                              | SB 1                                                                              | SB 2                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 13.3%                                                                             | ICU Level of Service                                                              | A                                                                                 |                                                                                   |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |



Existing Traffic Conditions  
70: Granite St &

Weekday PM Peak Hour

10/5/2010

|                                   |  |  |  |  |                                                                                    |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBR                                                                               | NBL                                                                               | NBT                                                                               | SBT                                                                                                                                                                 | SBR                                                                               |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |   |                                                                                   |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   | 0                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                                                                                                                | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 0.95                                                                                                                                                                | 0.95                                                                              |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Satd. Flow (prot)                 | 0                                                                                 | 1750                                                                              | 0                                                                                 | 0                                                                                 | 3325                                                                                                                                                                | 0                                                                                 |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Satd. Flow (perm)                 | 0                                                                                 | 1750                                                                              | 0                                                                                 | 0                                                                                 | 3325                                                                                                                                                                | 0                                                                                 |
| Link Speed (mph)                  | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                | 30                                                                                                                                                                  |                                                                                   |
| Link Distance (ft)                | 393                                                                               |                                                                                   |                                                                                   | 555                                                                               | 189                                                                                                                                                                 |                                                                                   |
| Travel Time (s)                   | 8.9                                                                               |                                                                                   |                                                                                   | 12.6                                                                              | 4.3                                                                                                                                                                 |                                                                                   |
| Peak Hour Factor                  | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                                                                                                                | 0.25                                                                              |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                                                                                                  | 0%                                                                                |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   | 0                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   | 0                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                                                                                                  | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Left                                                                                                                                                                | Right                                                                             |
| Median Width(ft)                  | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                                                                                                   |                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                                                                                                   |                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                | 16                                                                                                                                                                  |                                                                                   |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                                                                                                                | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                | 15                                                                                |                                                                                   |                                                                                                                                                                     | 15                                                                                |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                                                                                                                |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Intersection Capacity Utilization | 13.3%                                                                             |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                                                                                                     |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |

Existing Traffic Conditions  
70: Granite St &

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |                                                                                    |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Movement                          | EBL                                                                               | EBR                                                                               | NBL                                                                               | NBT                                                                               | SBT                                                                                                                                                                 | SBR                                                                               |
| Lane Configurations               |                                                                                   |  |                                                                                   |                                                                                   |   |                                                                                   |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                                                                                                                |                                                                                   |
| Grade                             | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                | 0%                                                                                                                                                                  |                                                                                   |
| Peak Hour Factor                  | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                                                                                                                | 0.25                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                                                                                                   | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Median type                       |                                                                                   |                                                                                   |                                                                                   | None                                                                              | None                                                                                                                                                                |                                                                                   |
| Median storage (veh)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 317                                                                                                                                                                 |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| tC, single (s)                    | 6.8                                                                               | 6.9                                                                               | 4.1                                                                               |                                                                                   |                                                                                                                                                                     |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               | 2.2                                                                               |                                                                                   |                                                                                                                                                                     |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               | 100                                                                               |                                                                                   |                                                                                                                                                                     |                                                                                   |
| cM capacity (veh/h)               | 1029                                                                              | 1091                                                                              | 1636                                                                              |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Direction, Lane #                 | EB 1                                                                              | SB 1                                                                              | SB 2                                                                              |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                                                                                                     |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 13.3%                                                                             | ICU Level of Service                                                              |                                                                                                                                                                     | A                                                                                 |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                                                                                                     |                                                                                   |

Existing Traffic Conditions  
73: Lithia Way &

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | EBT                                                                               | EBR                                                                               | WBL                                                                               | WBT                                                                               | NEL                                                                               | NER                                                                               |
| Lane Configurations               |                                                                                   |                                                                                   |                                                                                   |  |                                                                                   |                                                                                   |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 0.95                                                                              | 0.95                                                                              | 1.00                                                                              | 1.00                                                                              |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (prot)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3325                                                                              | 0                                                                                 | 0                                                                                 |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (perm)                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 3325                                                                              | 0                                                                                 | 0                                                                                 |
| Link Speed (mph)                  | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                | 30                                                                                |                                                                                   |
| Link Distance (ft)                | 136                                                                               |                                                                                   |                                                                                   | 233                                                                               | 81                                                                                |                                                                                   |
| Travel Time (s)                   | 3.1                                                                               |                                                                                   |                                                                                   | 5.3                                                                               | 1.8                                                                               |                                                                                   |
| Peak Hour Factor                  | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.25                                                                              | 0.92                                                                              | 0.92                                                                              |
| Heavy Vehicles (%)                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 0%                                                                                | 2%                                                                                | 2%                                                                                |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Left                                                                              | Right                                                                             |
| Median Width(ft)                  | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                | 16                                                                                |                                                                                   |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                              |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 13.3%                                                                             |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Intersection Sign configuration not allowed in HCM analysis.

Existing Traffic Conditions  
76: Granite St &

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |                                                                                   |  |  |                                                                                   |                                                                                   |  |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (prot)                 | 0                                                                                 | 1716                                                                              | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (perm)                 | 0                                                                                 | 1716                                                                              | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              |
| Link Speed (mph)                  | 30                                                                                |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                |
| Link Distance (ft)                | 112                                                                               |                                                                                   | 175                                                                               |                                                                                   |                                                                                   | 1482                                                                              |
| Travel Time (s)                   | 2.5                                                                               |                                                                                   | 4.0                                                                               |                                                                                   |                                                                                   | 33.7                                                                              |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              |
| Median Width(ft)                  | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 0.0%                                                                              |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
76: Granite St &

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |                                                                                   |  |  |                                                                                   |                                                                                   |  |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Grade                             | 0%                                                                                |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |
| Median storage veh)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| tC, single (s)                    | 6.4                                                                               | 6.2                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |
| cM capacity (veh/h)               | 1023                                                                              | 1085                                                                              |                                                                                   |                                                                                   | 1623                                                                              |                                                                                   |
| Direction, Lane #                 | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   | 0.0%                                                                              |                                                                                   | ICU Level of Service                                                              | A                                                                                 |                                                                                   |
| Analysis Period (min)             |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
77: Winburn Way &

Weekday PM Peak Hour  
10/5/2010

|                                   |  |  |  |  |  |  |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                        | EBL                                                                               | EBR                                                                               | NBL                                                                               | NBT                                                                               | SBT                                                                               | SBR                                                                               |
| Lane Configurations               |  |                                                                                   |                                                                                   |  |  |                                                                                   |
| Volume (vph)                      | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Ideal Flow (vphpl)                | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                 | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              |
| Frt                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (prot)                 | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              | 1716                                                                              | 0                                                                                 |
| Flt Permitted                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (perm)                 | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              | 1716                                                                              | 0                                                                                 |
| Link Speed (mph)                  | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                | 30                                                                                |                                                                                   |
| Link Distance (ft)                | 112                                                                               |                                                                                   |                                                                                   | 169                                                                               | 439                                                                               |                                                                                   |
| Travel Time (s)                   | 2.5                                                                               |                                                                                   |                                                                                   | 3.8                                                                               | 10.0                                                                              |                                                                                   |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Adj. Flow (vph)                   | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Shared Lane Traffic (%)           |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)             | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Enter Blocked Intersection        | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                    | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              | Left                                                                              | Right                                                                             |
| Median Width(ft)                  | 12                                                                                |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Link Offset(ft)                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 | 0                                                                                 |                                                                                   |
| Crosswalk Width(ft)               | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                | 16                                                                                |                                                                                   |
| Two way Left Turn Lane            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                    | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)               | 15                                                                                | 15                                                                                | 15                                                                                |                                                                                   |                                                                                   | 15                                                                                |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                              |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                        | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                     | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization | 0.0%                                                                              |                                                                                   |                                                                                   | ICU Level of Service A                                                            |                                                                                   |                                                                                   |
| Analysis Period (min)             | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
77: Winburn Way &

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBR                                                                               | NBL                                                                               | NBT                                                                               | SBT                                                                               | SBR                                                                               |
| Lane Configurations               |  |                                                                                   |                                                                                   |  |  |                                                                                   |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                              |                                                                                   |
| Grade                             | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                | 0%                                                                                |                                                                                   |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   |                                                                                   | None                                                                              | None                                                                              |                                                                                   |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| tC, single (s)                    | 6.4                                                                               | 6.2                                                                               | 4.1                                                                               |                                                                                   |                                                                                   |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |
| cM capacity (veh/h)               | 1023                                                                              | 1085                                                                              | 1623                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Direction, Lane #                 | EB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   | 0.0%                                                                              | ICU Level of Service                                                              |                                                                                   | A                                                                                 |                                                                                   |
| Analysis Period (min)             |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |



Existing Traffic Conditions  
78: Winburn Way & Granite St

Weekday PM Peak Hour  
10/5/2010

|                                        |  |  |  |  |  |  |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Lane Group                             | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations                    |  |                                                                                   |  |                                                                                   |                                                                                   |  |
| Volume (vph)                           | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Ideal Flow (vphpl)                     | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              | 1750                                                                              |
| Lane Util. Factor                      | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              | 1.00                                                                              |
| Frt                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Flt Protected                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (prot)                      | 1716                                                                              | 0                                                                                 | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              |
| Flt Permitted                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Satd. Flow (perm)                      | 1716                                                                              | 0                                                                                 | 1716                                                                              | 0                                                                                 | 0                                                                                 | 1716                                                                              |
| Link Speed (mph)                       | 30                                                                                |                                                                                   | 30                                                                                |                                                                                   |                                                                                   | 30                                                                                |
| Link Distance (ft)                     | 169                                                                               |                                                                                   | 292                                                                               |                                                                                   |                                                                                   | 175                                                                               |
| Travel Time (s)                        | 3.8                                                                               |                                                                                   | 6.6                                                                               |                                                                                   |                                                                                   | 4.0                                                                               |
| Peak Hour Factor                       | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Adj. Flow (vph)                        | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Shared Lane Traffic (%)                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Group Flow (vph)                  | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Enter Blocked Intersection             | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                | No                                                                                |
| Lane Alignment                         | Left                                                                              | Right                                                                             | Left                                                                              | Right                                                                             | Left                                                                              | Left                                                                              |
| Median Width(ft)                       | 12                                                                                |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Link Offset(ft)                        | 0                                                                                 |                                                                                   | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |
| Crosswalk Width(ft)                    | 16                                                                                |                                                                                   | 16                                                                                |                                                                                   |                                                                                   | 16                                                                                |
| Two way Left Turn Lane                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Headway Factor                         | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              | 1.11                                                                              |
| Turning Speed (mph)                    | 15                                                                                | 15                                                                                |                                                                                   | 15                                                                                | 15                                                                                |                                                                                   |
| Sign Control                           | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Intersection Summary                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Area Type:                             | Other                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Control Type:                          | Unsignalized                                                                      |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization 0.0% | ICU Level of Service A                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Analysis Period (min) 15               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
78: Winburn Way & Granite St

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | WBL                                                                               | WBR                                                                               | NBT                                                                               | NBR                                                                               | SBL                                                                               | SBT                                                                               |
| Lane Configurations               |  |                                                                                   |  |                                                                                   |                                                                                   |  |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   | Free                                                                              |                                                                                   |                                                                                   | Free                                                                              |
| Grade                             | 0%                                                                                |                                                                                   | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   | None                                                                              |                                                                                   |                                                                                   | None                                                                              |
| Median storage veh)               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   | 0                                                                                 |                                                                                   |
| tC, single (s)                    | 6.4                                                                               | 6.2                                                                               |                                                                                   |                                                                                   | 4.1                                                                               |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               |                                                                                   |                                                                                   | 2.2                                                                               |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |
| cM capacity (veh/h)               | 1023                                                                              | 1085                                                                              |                                                                                   |                                                                                   | 1623                                                                              |                                                                                   |
| Direction, Lane #                 | WB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 0.0%                                                                              | ICU Level of Service                                                              | A                                                                                 |                                                                                   |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

Existing Traffic Conditions  
81: Nutley St & Winburn Way

Weekday PM Peak Hour

10/5/2010



| Lane Group                 | EBL  | EBR   | NBL  | NBT  | SBT  | SBR   |
|----------------------------|------|-------|------|------|------|-------|
| Lane Configurations        |      |       |      |      |      |       |
| Volume (vph)               | 0    | 0     | 0    | 0    | 0    | 0     |
| Ideal Flow (vphpl)         | 1750 | 1750  | 1750 | 1750 | 1750 | 1750  |
| Lane Util. Factor          | 1.00 | 1.00  | 1.00 | 1.00 | 1.00 | 1.00  |
| Frt                        |      |       |      |      |      |       |
| Flt Protected              |      |       |      |      |      |       |
| Satd. Flow (prot)          | 1716 | 0     | 0    | 1716 | 1716 | 0     |
| Flt Permitted              |      |       |      |      |      |       |
| Satd. Flow (perm)          | 1716 | 0     | 0    | 1716 | 1716 | 0     |
| Link Speed (mph)           | 30   |       |      | 30   | 30   |       |
| Link Distance (ft)         | 392  |       |      | 175  | 193  |       |
| Travel Time (s)            | 8.9  |       |      | 4.0  | 4.4  |       |
| Peak Hour Factor           | 0.92 | 0.92  | 0.92 | 0.92 | 0.92 | 0.92  |
| Adj. Flow (vph)            | 0    | 0     | 0    | 0    | 0    | 0     |
| Shared Lane Traffic (%)    |      |       |      |      |      |       |
| Lane Group Flow (vph)      | 0    | 0     | 0    | 0    | 0    | 0     |
| Enter Blocked Intersection | No   | No    | No   | No   | No   | No    |
| Lane Alignment             | Left | Right | Left | Left | Left | Right |
| Median Width(ft)           | 12   |       |      | 0    | 0    |       |
| Link Offset(ft)            | 0    |       |      | 0    | 0    |       |
| Crosswalk Width(ft)        | 16   |       |      | 16   | 16   |       |
| Two way Left Turn Lane     |      |       |      |      |      |       |
| Headway Factor             | 1.11 | 1.11  | 1.11 | 1.11 | 1.11 | 1.11  |
| Turning Speed (mph)        | 15   | 15    | 15   |      |      | 15    |
| Sign Control               | Stop |       |      | Free | Free |       |

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 0.0% ICU Level of Service A

Analysis Period (min) 15

Existing Traffic Conditions  
81: Nutley St & Winburn Way

Weekday PM Peak Hour  
10/5/2010

|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                   |  |  |  |  |  |  |
| Movement                          | EBL                                                                               | EBR                                                                               | NBL                                                                               | NBT                                                                               | SBT                                                                               | SBR                                                                               |
| Lane Configurations               |  |                                                                                   |                                                                                   |  |  |                                                                                   |
| Volume (veh/h)                    | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Sign Control                      | Stop                                                                              |                                                                                   |                                                                                   | Free                                                                              | Free                                                                              |                                                                                   |
| Grade                             | 0%                                                                                |                                                                                   |                                                                                   | 0%                                                                                | 0%                                                                                |                                                                                   |
| Peak Hour Factor                  | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              | 0.92                                                                              |
| Hourly flow rate (vph)            | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 | 0                                                                                 |
| Pedestrians                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Lane Width (ft)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Walking Speed (ft/s)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Percent Blockage                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Right turn flare (veh)            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Median type                       |                                                                                   |                                                                                   |                                                                                   | None                                                                              | None                                                                              |                                                                                   |
| Median storage veh                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Upstream signal (ft)              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| pX, platoon unblocked             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC, conflicting volume            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| vC1, stage 1 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vC2, stage 2 conf vol             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| vCu, unblocked vol                | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| tC, single (s)                    | 6.4                                                                               | 6.2                                                                               | 4.1                                                                               |                                                                                   |                                                                                   |                                                                                   |
| tC, 2 stage (s)                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| tF (s)                            | 3.5                                                                               | 3.3                                                                               | 2.2                                                                               |                                                                                   |                                                                                   |                                                                                   |
| p0 queue free %                   | 100                                                                               | 100                                                                               | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |
| cM capacity (veh/h)               | 1023                                                                              | 1085                                                                              | 1623                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Direction, Lane #                 | EB 1                                                                              | NB 1                                                                              | SB 1                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume Total                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Left                       | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Volume Right                      | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| cSH                               | 1700                                                                              | 1700                                                                              | 1700                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Volume to Capacity                | 0.00                                                                              | 0.00                                                                              | 0.00                                                                              |                                                                                   |                                                                                   |                                                                                   |
| Queue Length 95th (ft)            | 0                                                                                 | 0                                                                                 | 0                                                                                 |                                                                                   |                                                                                   |                                                                                   |
| Control Delay (s)                 | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Lane LOS                          | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Approach Delay (s)                | 0.0                                                                               | 0.0                                                                               | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Approach LOS                      | A                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Intersection Summary              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
| Average Delay                     |                                                                                   |                                                                                   | 0.0                                                                               |                                                                                   |                                                                                   |                                                                                   |
| Intersection Capacity Utilization |                                                                                   |                                                                                   | 0.0%                                                                              | ICU Level of Service                                                              |                                                                                   | A                                                                                 |
| Analysis Period (min)             |                                                                                   |                                                                                   | 15                                                                                |                                                                                   |                                                                                   |                                                                                   |
|                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |

## **Appendix D – Queuing Analysis Worksheets**

*Appendix D* contains the queuing analysis worksheets and output from the Synchro SimTraffic study intersections analyses.

DRAFT

## Queuing and Blocking Report

### Intersection: 1: OR-99 & South Valley View Rd, Interval #1

| Movement              | EB  | EB   | EB   | WB   | WB   | WB  | SB  |
|-----------------------|-----|------|------|------|------|-----|-----|
| Directions Served     | L   | T    | T    | T    | T    | R   | LR  |
| Maximum Queue (ft)    | 135 | 138  | 160  | 285  | 397  | 125 | 663 |
| Average Queue (ft)    | 78  | 73   | 89   | 168  | 234  | 117 | 526 |
| 95th Queue (ft)       | 140 | 142  | 163  | 298  | 407  | 148 | 785 |
| Link Distance (ft)    |     | 1274 | 1274 | 1059 | 1059 |     | 670 |
| Upstream Blk Time (%) |     |      |      |      |      |     | 9   |
| Queuing Penalty (veh) |     |      |      |      |      |     | 0   |
| Storage Bay Dist (ft) | 150 |      |      |      |      | 100 |     |
| Storage Blk Time (%)  | 1   | 0    |      |      | 17   | 5   |     |
| Queuing Penalty (veh) | 1   | 0    |      |      | 103  | 18  |     |

### Intersection: 1: OR-99 & South Valley View Rd, Interval #2

| Movement              | EB  | EB   | EB   | WB   | WB   | WB  | SB  |
|-----------------------|-----|------|------|------|------|-----|-----|
| Directions Served     | L   | T    | T    | T    | T    | R   | LR  |
| Maximum Queue (ft)    | 134 | 127  | 147  | 285  | 408  | 125 | 610 |
| Average Queue (ft)    | 61  | 48   | 66   | 128  | 172  | 100 | 322 |
| 95th Queue (ft)       | 119 | 105  | 124  | 247  | 339  | 155 | 568 |
| Link Distance (ft)    |     | 1274 | 1274 | 1059 | 1059 |     | 670 |
| Upstream Blk Time (%) |     |      |      |      |      |     | 3   |
| Queuing Penalty (veh) |     |      |      |      |      |     | 0   |
| Storage Bay Dist (ft) | 150 |      |      |      |      | 100 |     |
| Storage Blk Time (%)  | 1   | 0    |      |      | 9    | 3   |     |
| Queuing Penalty (veh) | 1   | 0    |      |      | 47   | 7   |     |

### Intersection: 1: OR-99 & South Valley View Rd, All Intervals

| Movement              | EB  | EB   | EB   | WB   | WB   | WB  | SB  |
|-----------------------|-----|------|------|------|------|-----|-----|
| Directions Served     | L   | T    | T    | T    | T    | R   | LR  |
| Maximum Queue (ft)    | 145 | 148  | 178  | 326  | 443  | 125 | 663 |
| Average Queue (ft)    | 65  | 54   | 71   | 138  | 187  | 104 | 371 |
| 95th Queue (ft)       | 125 | 117  | 136  | 263  | 361  | 156 | 659 |
| Link Distance (ft)    |     | 1274 | 1274 | 1059 | 1059 |     | 670 |
| Upstream Blk Time (%) |     |      |      |      |      |     | 4   |
| Queuing Penalty (veh) |     |      |      |      |      |     | 0   |
| Storage Bay Dist (ft) | 150 |      |      |      |      | 100 |     |
| Storage Blk Time (%)  | 1   | 0    |      |      | 11   | 3   |     |
| Queuing Penalty (veh) | 1   | 0    |      |      | 61   | 10  |     |

## Queuing and Blocking Report

## Intersection: 2: Maple St &amp; OR-99, Interval #1

| Movement              | EB  | WB  | NB  | NB   | NB   | SB  | SB  | SB  |
|-----------------------|-----|-----|-----|------|------|-----|-----|-----|
| Directions Served     | LTR | LTR | L   | T    | TR   | L   | T   | TR  |
| Maximum Queue (ft)    | 191 | 40  | 66  | 139  | 164  | 6   | 181 | 195 |
| Average Queue (ft)    | 121 | 15  | 39  | 65   | 95   | 1   | 77  | 98  |
| 95th Queue (ft)       | 198 | 46  | 71  | 147  | 177  | 9   | 178 | 195 |
| Link Distance (ft)    | 185 | 187 |     | 1056 | 1056 |     | 833 | 833 |
| Upstream Blk Time (%) | 2   |     |     |      |      |     |     |     |
| Queuing Penalty (veh) | 0   |     |     |      |      |     |     |     |
| Storage Bay Dist (ft) |     |     | 160 |      |      | 120 |     |     |
| Storage Blk Time (%)  |     |     |     | 0    |      |     | 2   |     |
| Queuing Penalty (veh) |     |     |     | 0    |      |     | 0   |     |

## Intersection: 2: Maple St &amp; OR-99, Interval #2

| Movement              | EB  | WB  | NB  | NB   | NB   | SB  | SB  | SB  |
|-----------------------|-----|-----|-----|------|------|-----|-----|-----|
| Directions Served     | LTR | LTR | L   | T    | TR   | L   | T   | TR  |
| Maximum Queue (ft)    | 179 | 52  | 63  | 185  | 214  | 7   | 149 | 184 |
| Average Queue (ft)    | 92  | 13  | 25  | 51   | 79   | 0   | 52  | 76  |
| 95th Queue (ft)       | 155 | 43  | 59  | 136  | 163  | 6   | 121 | 153 |
| Link Distance (ft)    | 185 | 187 |     | 1056 | 1056 |     | 833 | 833 |
| Upstream Blk Time (%) | 0   |     |     |      |      |     |     |     |
| Queuing Penalty (veh) | 0   |     |     |      |      |     |     |     |
| Storage Bay Dist (ft) |     |     | 160 |      |      | 120 |     |     |
| Storage Blk Time (%)  |     |     |     | 0    |      |     | 0   |     |
| Queuing Penalty (veh) |     |     |     | 0    |      |     | 0   |     |

## Intersection: 2: Maple St &amp; OR-99, All Intervals

| Movement              | EB  | WB  | NB  | NB   | NB   | SB  | SB  | SB  |
|-----------------------|-----|-----|-----|------|------|-----|-----|-----|
| Directions Served     | LTR | LTR | L   | T    | TR   | L   | T   | TR  |
| Maximum Queue (ft)    | 192 | 56  | 72  | 197  | 227  | 10  | 196 | 216 |
| Average Queue (ft)    | 99  | 13  | 29  | 54   | 83   | 0   | 58  | 82  |
| 95th Queue (ft)       | 169 | 43  | 63  | 139  | 167  | 7   | 138 | 165 |
| Link Distance (ft)    | 185 | 187 |     | 1056 | 1056 |     | 833 | 833 |
| Upstream Blk Time (%) | 1   |     |     |      |      |     |     |     |
| Queuing Penalty (veh) | 0   |     |     |      |      |     |     |     |
| Storage Bay Dist (ft) |     |     | 160 |      |      | 120 |     |     |
| Storage Blk Time (%)  |     |     |     | 0    |      |     | 1   |     |
| Queuing Penalty (veh) |     |     |     | 0    |      |     | 0   |     |

## Queuing and Blocking Report

### Intersection: 3: Wimer St & OR-99, Interval #1

| Movement              | EB  | WB  | NB   | NB   | SB   | SB   |
|-----------------------|-----|-----|------|------|------|------|
| Directions Served     | LTR | LTR | LT   | TR   | LT   | TR   |
| Maximum Queue (ft)    | 139 | 130 | 134  | 94   | 120  | 86   |
| Average Queue (ft)    | 68  | 66  | 59   | 21   | 56   | 18   |
| 95th Queue (ft)       | 156 | 135 | 141  | 91   | 127  | 89   |
| Link Distance (ft)    | 236 | 200 | 1856 | 1856 | 1056 | 1056 |
| Upstream Blk Time (%) | 1   | 0   |      |      |      |      |
| Queuing Penalty (veh) | 0   | 0   |      |      |      |      |
| Storage Bay Dist (ft) |     |     |      |      |      |      |
| Storage Blk Time (%)  |     |     |      |      |      |      |
| Queuing Penalty (veh) |     |     |      |      |      |      |

### Intersection: 3: Wimer St & OR-99, Interval #2

| Movement              | EB  | WB  | NB   | NB   | SB   | SB   |
|-----------------------|-----|-----|------|------|------|------|
| Directions Served     | LTR | LTR | LT   | TR   | LT   | TR   |
| Maximum Queue (ft)    | 127 | 117 | 138  | 119  | 128  | 90   |
| Average Queue (ft)    | 44  | 49  | 40   | 10   | 41   | 6    |
| 95th Queue (ft)       | 90  | 90  | 106  | 64   | 98   | 43   |
| Link Distance (ft)    | 236 | 200 | 1856 | 1856 | 1056 | 1056 |
| Upstream Blk Time (%) |     | 0   |      |      |      |      |
| Queuing Penalty (veh) |     | 0   |      |      |      |      |
| Storage Bay Dist (ft) |     |     |      |      |      |      |
| Storage Blk Time (%)  |     |     |      |      |      |      |
| Queuing Penalty (veh) |     |     |      |      |      |      |

### Intersection: 3: Wimer St & OR-99, All Intervals

| Movement              | EB  | WB  | NB   | NB   | SB   | SB   |
|-----------------------|-----|-----|------|------|------|------|
| Directions Served     | LTR | LTR | LT   | TR   | LT   | TR   |
| Maximum Queue (ft)    | 160 | 137 | 156  | 134  | 143  | 112  |
| Average Queue (ft)    | 50  | 53  | 45   | 13   | 44   | 9    |
| 95th Queue (ft)       | 111 | 104 | 116  | 72   | 106  | 58   |
| Link Distance (ft)    | 236 | 200 | 1856 | 1856 | 1056 | 1056 |
| Upstream Blk Time (%) | 0   | 0   |      |      |      |      |
| Queuing Penalty (veh) | 0   | 0   |      |      |      |      |
| Storage Bay Dist (ft) |     |     |      |      |      |      |
| Storage Blk Time (%)  |     |     |      |      |      |      |
| Queuing Penalty (veh) |     |     |      |      |      |      |



## Queuing and Blocking Report

### Intersection: 4: OR-99 & Helman St, Interval #1

| Movement              | EB   | EB   | WB | WB | SB  |
|-----------------------|------|------|----|----|-----|
| Directions Served     | R    | R    | T  | TR | TR  |
| Maximum Queue (ft)    | 98   | 126  | 57 | 57 | 73  |
| Average Queue (ft)    | 59   | 76   | 54 | 56 | 40  |
| 95th Queue (ft)       | 106  | 133  | 59 | 60 | 74  |
| Link Distance (ft)    | 1856 | 1856 |    |    | 554 |
| Upstream Blk Time (%) |      |      | 0  | 0  |     |
| Queuing Penalty (veh) |      |      | 0  | 0  |     |
| Storage Bay Dist (ft) |      |      |    |    |     |
| Storage Blk Time (%)  |      |      |    |    |     |
| Queuing Penalty (veh) |      |      |    |    |     |

### Intersection: 4: OR-99 & Helman St, Interval #2

| Movement              | EB   | EB   | WB | WB | SB  |
|-----------------------|------|------|----|----|-----|
| Directions Served     | R    | R    | T  | TR | TR  |
| Maximum Queue (ft)    | 139  | 159  | 57 | 61 | 88  |
| Average Queue (ft)    | 57   | 73   | 54 | 56 | 34  |
| 95th Queue (ft)       | 106  | 128  | 60 | 67 | 73  |
| Link Distance (ft)    | 1856 | 1856 |    |    | 554 |
| Upstream Blk Time (%) |      |      | 0  | 0  |     |
| Queuing Penalty (veh) |      |      | 0  | 0  |     |
| Storage Bay Dist (ft) |      |      |    |    |     |
| Storage Blk Time (%)  |      |      |    |    |     |
| Queuing Penalty (veh) |      |      |    |    |     |

### Intersection: 4: OR-99 & Helman St, All Intervals

| Movement              | EB   | EB   | WB | WB | SB  |
|-----------------------|------|------|----|----|-----|
| Directions Served     | R    | R    | T  | TR | TR  |
| Maximum Queue (ft)    | 145  | 170  | 57 | 61 | 91  |
| Average Queue (ft)    | 57   | 74   | 54 | 56 | 35  |
| 95th Queue (ft)       | 106  | 130  | 60 | 66 | 74  |
| Link Distance (ft)    | 1856 | 1856 |    |    | 554 |
| Upstream Blk Time (%) |      |      | 0  | 0  |     |
| Queuing Penalty (veh) |      |      | 0  | 0  |     |
| Storage Bay Dist (ft) |      |      |    |    |     |
| Storage Blk Time (%)  |      |      |    |    |     |
| Queuing Penalty (veh) |      |      |    |    |     |

## Queuing and Blocking Report

### Intersection: 5: Main St & Oak St, Interval #1

| Movement              | EB | EB | NB  | SB  |
|-----------------------|----|----|-----|-----|
| Directions Served     | LT | T  | T   | L   |
| Maximum Queue (ft)    | 69 | 85 | 97  | 129 |
| Average Queue (ft)    | 29 | 40 | 49  | 66  |
| 95th Queue (ft)       | 74 | 96 | 110 | 130 |
| Link Distance (ft)    |    |    | 247 | 219 |
| Upstream Blk Time (%) |    |    |     |     |
| Queuing Penalty (veh) |    |    |     |     |
| Storage Bay Dist (ft) |    |    |     |     |
| Storage Blk Time (%)  |    |    |     |     |
| Queuing Penalty (veh) |    |    |     |     |

### Intersection: 5: Main St & Oak St, Interval #2

| Movement              | EB | EB  | NB  | SB  |
|-----------------------|----|-----|-----|-----|
| Directions Served     | LT | T   | T   | L   |
| Maximum Queue (ft)    | 85 | 117 | 131 | 132 |
| Average Queue (ft)    | 25 | 40  | 48  | 66  |
| 95th Queue (ft)       | 68 | 96  | 100 | 120 |
| Link Distance (ft)    |    |     | 247 | 219 |
| Upstream Blk Time (%) |    |     |     | 0   |
| Queuing Penalty (veh) |    |     |     | 0   |
| Storage Bay Dist (ft) |    |     |     |     |
| Storage Blk Time (%)  |    |     |     |     |
| Queuing Penalty (veh) |    |     |     |     |

### Intersection: 5: Main St & Oak St, All Intervals

| Movement              | EB | EB  | NB  | SB  |
|-----------------------|----|-----|-----|-----|
| Directions Served     | LT | T   | T   | L   |
| Maximum Queue (ft)    | 97 | 122 | 143 | 149 |
| Average Queue (ft)    | 26 | 40  | 48  | 66  |
| 95th Queue (ft)       | 69 | 96  | 103 | 122 |
| Link Distance (ft)    |    |     | 247 | 219 |
| Upstream Blk Time (%) |    |     |     | 0   |
| Queuing Penalty (veh) |    |     |     | 0   |
| Storage Bay Dist (ft) |    |     |     |     |
| Storage Blk Time (%)  |    |     |     |     |
| Queuing Penalty (veh) |    |     |     |     |

## Queuing and Blocking Report

### Intersection: 6: E Main St & OR-99, Interval #1

| Movement              | SB   | SB   | SB   |
|-----------------------|------|------|------|
| Directions Served     | L    | T    | T    |
| Maximum Queue (ft)    | 128  | 28   | 20   |
| Average Queue (ft)    | 60   | 5    | 4    |
| 95th Queue (ft)       | 156  | 31   | 23   |
| Link Distance (ft)    | 1600 | 1600 | 1600 |
| Upstream Blk Time (%) |      |      |      |
| Queuing Penalty (veh) |      |      |      |
| Storage Bay Dist (ft) |      |      |      |
| Storage Blk Time (%)  |      |      |      |
| Queuing Penalty (veh) |      |      |      |

### Intersection: 6: E Main St & OR-99, Interval #2

| Movement              | SB   | SB   | SB   |
|-----------------------|------|------|------|
| Directions Served     | L    | T    | T    |
| Maximum Queue (ft)    | 177  | 46   | 52   |
| Average Queue (ft)    | 54   | 5    | 9    |
| 95th Queue (ft)       | 139  | 27   | 36   |
| Link Distance (ft)    | 1600 | 1600 | 1600 |
| Upstream Blk Time (%) |      |      |      |
| Queuing Penalty (veh) |      |      |      |
| Storage Bay Dist (ft) |      |      |      |
| Storage Blk Time (%)  |      |      |      |
| Queuing Penalty (veh) |      |      |      |

### Intersection: 6: E Main St & OR-99, All Intervals

| Movement              | SB   | SB   | SB   |
|-----------------------|------|------|------|
| Directions Served     | L    | T    | T    |
| Maximum Queue (ft)    | 193  | 53   | 53   |
| Average Queue (ft)    | 55   | 5    | 7    |
| 95th Queue (ft)       | 143  | 28   | 34   |
| Link Distance (ft)    | 1600 | 1600 | 1600 |
| Upstream Blk Time (%) |      |      |      |
| Queuing Penalty (veh) |      |      |      |
| Storage Bay Dist (ft) |      |      |      |
| Storage Blk Time (%)  |      |      |      |
| Queuing Penalty (veh) |      |      |      |

## Queuing and Blocking Report

### Intersection: 7: OR-99 & Mountain Ave, Interval #1

| Movement              | EB | EB  | EB  | WB  | WB  | WB  | NB   | SB  | SB  |
|-----------------------|----|-----|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L  | T   | TR  | L   | T   | TR  | LTR  | LT  | R   |
| Maximum Queue (ft)    | 48 | 175 | 187 | 119 | 200 | 231 | 580  | 102 | 46  |
| Average Queue (ft)    | 17 | 93  | 106 | 70  | 94  | 116 | 466  | 50  | 22  |
| 95th Queue (ft)       | 50 | 180 | 199 | 134 | 205 | 231 | 789  | 104 | 51  |
| Link Distance (ft)    |    |     |     |     | 865 | 865 | 1247 |     | 344 |
| Upstream Blk Time (%) |    |     |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |    |     |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 75 |     |     | 120 |     |     |      | 100 |     |
| Storage Blk Time (%)  | 0  | 8   |     | 3   | 3   |     |      | 2   |     |
| Queuing Penalty (veh) | 1  | 3   |     | 13  | 3   |     |      | 1   |     |

### Intersection: 7: OR-99 & Mountain Ave, Interval #2

| Movement              | EB | EB  | EB  | WB  | WB  | WB  | NB   | SB  | SB  |
|-----------------------|----|-----|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L  | T   | TR  | L   | T   | TR  | LTR  | LT  | R   |
| Maximum Queue (ft)    | 90 | 191 | 212 | 136 | 249 | 250 | 717  | 117 | 111 |
| Average Queue (ft)    | 25 | 70  | 78  | 61  | 87  | 106 | 462  | 48  | 25  |
| 95th Queue (ft)       | 72 | 156 | 172 | 128 | 192 | 212 | 854  | 104 | 77  |
| Link Distance (ft)    |    |     |     |     | 865 | 865 | 1247 |     | 344 |
| Upstream Blk Time (%) |    |     |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |    |     |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 75 |     |     | 120 |     |     |      | 100 |     |
| Storage Blk Time (%)  | 1  | 6   |     | 4   | 2   |     |      | 3   |     |
| Queuing Penalty (veh) | 4  | 2   |     | 13  | 1   |     |      | 1   |     |

### Intersection: 7: OR-99 & Mountain Ave, All Intervals

| Movement              | EB | EB  | EB  | WB  | WB  | WB  | NB   | SB  | SB  |
|-----------------------|----|-----|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L  | T   | TR  | L   | T   | TR  | LTR  | LT  | R   |
| Maximum Queue (ft)    | 91 | 209 | 227 | 141 | 276 | 287 | 747  | 117 | 117 |
| Average Queue (ft)    | 23 | 76  | 85  | 63  | 89  | 109 | 463  | 48  | 24  |
| 95th Queue (ft)       | 67 | 163 | 181 | 130 | 195 | 217 | 839  | 104 | 72  |
| Link Distance (ft)    |    |     |     |     | 865 | 865 | 1247 |     | 344 |
| Upstream Blk Time (%) |    |     |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |    |     |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 75 |     |     | 120 |     |     |      | 100 |     |
| Storage Blk Time (%)  | 1  | 7   |     | 4   | 2   |     |      | 3   |     |
| Queuing Penalty (veh) | 4  | 2   |     | 13  | 2   |     |      | 1   |     |

## Queuing and Blocking Report

### Intersection: 8: OR-99 & Garfield St, Interval #1

| Movement              | EB | WB  | SB  |
|-----------------------|----|-----|-----|
| Directions Served     | L  | L   | LR  |
| Maximum Queue (ft)    | 11 | 19  | 48  |
| Average Queue (ft)    | 3  | 5   | 18  |
| 95th Queue (ft)       | 11 | 20  | 53  |
| Link Distance (ft)    |    |     | 561 |
| Upstream Blk Time (%) |    |     |     |
| Queuing Penalty (veh) |    |     |     |
| Storage Bay Dist (ft) | 50 | 100 |     |
| Storage Blk Time (%)  |    |     |     |
| Queuing Penalty (veh) |    |     |     |

### Intersection: 8: OR-99 & Garfield St, Interval #2

| Movement              | EB | WB  | SB  |
|-----------------------|----|-----|-----|
| Directions Served     | L  | L   | LR  |
| Maximum Queue (ft)    | 16 | 24  | 59  |
| Average Queue (ft)    | 3  | 6   | 17  |
| 95th Queue (ft)       | 14 | 22  | 48  |
| Link Distance (ft)    |    |     | 561 |
| Upstream Blk Time (%) |    |     |     |
| Queuing Penalty (veh) |    |     |     |
| Storage Bay Dist (ft) | 50 | 100 |     |
| Storage Blk Time (%)  | 0  |     |     |
| Queuing Penalty (veh) | 0  |     |     |

### Intersection: 8: OR-99 & Garfield St, All Intervals

| Movement              | EB | WB  | SB  |
|-----------------------|----|-----|-----|
| Directions Served     | L  | L   | LR  |
| Maximum Queue (ft)    | 17 | 24  | 67  |
| Average Queue (ft)    | 3  | 5   | 17  |
| 95th Queue (ft)       | 13 | 21  | 50  |
| Link Distance (ft)    |    |     | 561 |
| Upstream Blk Time (%) |    |     |     |
| Queuing Penalty (veh) |    |     |     |
| Storage Bay Dist (ft) | 50 | 100 |     |
| Storage Blk Time (%)  | 0  |     |     |
| Queuing Penalty (veh) | 0  |     |     |

## Queuing and Blocking Report

### Intersection: 9: OR-66 & OR-99, Interval #1

| Movement              | WB  | WB  | NB   | NB   | SB  | SB   | SB   |
|-----------------------|-----|-----|------|------|-----|------|------|
| Directions Served     | R   | R   | T    | TR   | L   | L    | T    |
| Maximum Queue (ft)    | 48  | 44  | 139  | 153  | 125 | 454  | 209  |
| Average Queue (ft)    | 13  | 11  | 73   | 87   | 107 | 215  | 54   |
| 95th Queue (ft)       | 50  | 48  | 152  | 165  | 151 | 424  | 153  |
| Link Distance (ft)    | 826 | 826 | 1031 | 1031 |     | 1382 | 1382 |
| Upstream Blk Time (%) |     |     |      |      |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      | 100 |      |      |
| Storage Blk Time (%)  |     |     |      |      | 7   | 21   |      |
| Queuing Penalty (veh) |     |     |      |      | 16  | 48   |      |

### Intersection: 9: OR-66 & OR-99, Interval #2

| Movement              | WB  | WB  | NB   | NB   | SB  | SB   | SB   |
|-----------------------|-----|-----|------|------|-----|------|------|
| Directions Served     | R   | R   | T    | TR   | L   | L    | T    |
| Maximum Queue (ft)    | 68  | 58  | 156  | 162  | 125 | 517  | 273  |
| Average Queue (ft)    | 12  | 9   | 64   | 77   | 103 | 234  | 69   |
| 95th Queue (ft)       | 47  | 40  | 137  | 148  | 150 | 457  | 209  |
| Link Distance (ft)    | 826 | 826 | 1031 | 1031 |     | 1382 | 1382 |
| Upstream Blk Time (%) |     |     |      |      |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      | 100 |      |      |
| Storage Blk Time (%)  |     |     |      |      | 8   | 23   |      |
| Queuing Penalty (veh) |     |     |      |      | 18  | 50   |      |

### Intersection: 9: OR-66 & OR-99, All Intervals

| Movement              | WB  | WB  | NB   | NB   | SB  | SB   | SB   |
|-----------------------|-----|-----|------|------|-----|------|------|
| Directions Served     | R   | R   | T    | TR   | L   | L    | T    |
| Maximum Queue (ft)    | 78  | 71  | 166  | 172  | 125 | 534  | 329  |
| Average Queue (ft)    | 13  | 9   | 66   | 79   | 104 | 229  | 65   |
| 95th Queue (ft)       | 47  | 42  | 141  | 153  | 151 | 450  | 197  |
| Link Distance (ft)    | 826 | 826 | 1031 | 1031 |     | 1382 | 1382 |
| Upstream Blk Time (%) |     |     |      |      |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      | 100 |      |      |
| Storage Blk Time (%)  |     |     |      |      | 8   | 22   |      |
| Queuing Penalty (veh) |     |     |      |      | 18  | 49   |      |

## Queuing and Blocking Report

### Intersection: 10: OR-99 & Walker Ave, Interval #1

| Movement              | EB  | EB   | WB  | WB   | NB  | SB  |
|-----------------------|-----|------|-----|------|-----|-----|
| Directions Served     | L   | TR   | L   | TR   | LTR | LTR |
| Maximum Queue (ft)    | 34  | 194  | 63  | 165  | 114 | 91  |
| Average Queue (ft)    | 10  | 81   | 18  | 83   | 59  | 51  |
| 95th Queue (ft)       | 40  | 203  | 63  | 178  | 114 | 98  |
| Link Distance (ft)    |     | 1031 |     | 5289 | 787 | 563 |
| Upstream Blk Time (%) |     |      |     |      |     |     |
| Queuing Penalty (veh) |     |      |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      | 100 |      |     |     |
| Storage Blk Time (%)  |     | 4    |     | 4    |     |     |
| Queuing Penalty (veh) |     | 2    |     | 1    |     |     |

### Intersection: 10: OR-99 & Walker Ave, Interval #2

| Movement              | EB  | EB   | WB  | WB   | NB  | SB  |
|-----------------------|-----|------|-----|------|-----|-----|
| Directions Served     | L   | TR   | L   | TR   | LTR | LTR |
| Maximum Queue (ft)    | 64  | 261  | 86  | 253  | 120 | 129 |
| Average Queue (ft)    | 8   | 75   | 14  | 75   | 53  | 49  |
| 95th Queue (ft)       | 35  | 199  | 48  | 189  | 102 | 99  |
| Link Distance (ft)    |     | 1031 |     | 5289 | 787 | 563 |
| Upstream Blk Time (%) |     |      |     |      |     |     |
| Queuing Penalty (veh) |     |      |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      | 100 |      |     |     |
| Storage Blk Time (%)  |     | 4    | 0   | 3    |     |     |
| Queuing Penalty (veh) |     | 2    | 0   | 1    |     |     |

### Intersection: 10: OR-99 & Walker Ave, All Intervals

| Movement              | EB  | EB   | WB  | WB   | NB  | SB  |
|-----------------------|-----|------|-----|------|-----|-----|
| Directions Served     | L   | TR   | L   | TR   | LTR | LTR |
| Maximum Queue (ft)    | 75  | 261  | 107 | 269  | 128 | 131 |
| Average Queue (ft)    | 8   | 76   | 15  | 77   | 55  | 49  |
| 95th Queue (ft)       | 37  | 200  | 52  | 187  | 105 | 99  |
| Link Distance (ft)    |     | 1031 |     | 5289 | 787 | 563 |
| Upstream Blk Time (%) |     |      |     |      |     |     |
| Queuing Penalty (veh) |     |      |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      | 100 |      |     |     |
| Storage Blk Time (%)  |     | 4    | 0   | 3    |     |     |
| Queuing Penalty (veh) |     | 2    | 0   | 1    |     |     |

## Queuing and Blocking Report

### Intersection: 11: OR-99 & Tolman Creek Rd, Interval #1

| Movement              | EB   | NB   | SB   | SB  |
|-----------------------|------|------|------|-----|
| Directions Served     | LTR  | LTR  | LT   | R   |
| Maximum Queue (ft)    | 42   | 54   | 73   | 10  |
| Average Queue (ft)    | 15   | 27   | 40   | 1   |
| 95th Queue (ft)       | 42   | 50   | 75   | 20  |
| Link Distance (ft)    | 5289 | 1076 | 2436 |     |
| Upstream Blk Time (%) |      |      |      |     |
| Queuing Penalty (veh) |      |      |      |     |
| Storage Bay Dist (ft) |      |      |      | 160 |
| Storage Blk Time (%)  |      |      |      |     |
| Queuing Penalty (veh) |      |      |      |     |

### Intersection: 11: OR-99 & Tolman Creek Rd, Interval #2

| Movement              | EB   | NB   | SB   | SB  |
|-----------------------|------|------|------|-----|
| Directions Served     | LTR  | LTR  | LT   | R   |
| Maximum Queue (ft)    | 66   | 64   | 111  | 18  |
| Average Queue (ft)    | 14   | 29   | 42   | 1   |
| 95th Queue (ft)       | 49   | 55   | 84   | 21  |
| Link Distance (ft)    | 5289 | 1076 | 2436 |     |
| Upstream Blk Time (%) |      |      |      |     |
| Queuing Penalty (veh) |      |      |      |     |
| Storage Bay Dist (ft) |      |      |      | 160 |
| Storage Blk Time (%)  |      |      |      | 0   |
| Queuing Penalty (veh) |      |      |      | 0   |

### Intersection: 11: OR-99 & Tolman Creek Rd, All Intervals

| Movement              | EB   | NB   | SB   | SB  |
|-----------------------|------|------|------|-----|
| Directions Served     | LTR  | LTR  | LT   | R   |
| Maximum Queue (ft)    | 67   | 68   | 112  | 18  |
| Average Queue (ft)    | 14   | 29   | 42   | 1   |
| 95th Queue (ft)       | 48   | 54   | 82   | 21  |
| Link Distance (ft)    | 5289 | 1076 | 2436 |     |
| Upstream Blk Time (%) |      |      |      |     |
| Queuing Penalty (veh) |      |      |      |     |
| Storage Bay Dist (ft) |      |      |      | 160 |
| Storage Blk Time (%)  |      |      |      | 0   |
| Queuing Penalty (veh) |      |      |      | 0   |



## Queuing and Blocking Report

### Intersection: 12: OR-99 & Mistletoe Rd, Interval #1

| Movement              | EB  | SB  |
|-----------------------|-----|-----|
| Directions Served     | LT  | LR  |
| Maximum Queue (ft)    | 20  | 18  |
| Average Queue (ft)    | 3   | 11  |
| 95th Queue (ft)       | 20  | 23  |
| Link Distance (ft)    | 866 | 450 |
| Upstream Blk Time (%) |     |     |
| Queuing Penalty (veh) |     |     |
| Storage Bay Dist (ft) |     |     |
| Storage Blk Time (%)  |     |     |
| Queuing Penalty (veh) |     |     |

### Intersection: 12: OR-99 & Mistletoe Rd, Interval #2

| Movement              | EB  | SB  |
|-----------------------|-----|-----|
| Directions Served     | LT  | LR  |
| Maximum Queue (ft)    | 40  | 18  |
| Average Queue (ft)    | 2   | 9   |
| 95th Queue (ft)       | 22  | 22  |
| Link Distance (ft)    | 866 | 450 |
| Upstream Blk Time (%) |     |     |
| Queuing Penalty (veh) |     |     |
| Storage Bay Dist (ft) |     |     |
| Storage Blk Time (%)  |     |     |
| Queuing Penalty (veh) |     |     |

### Intersection: 12: OR-99 & Mistletoe Rd, All Intervals

| Movement              | EB  | SB  |
|-----------------------|-----|-----|
| Directions Served     | LT  | LR  |
| Maximum Queue (ft)    | 49  | 20  |
| Average Queue (ft)    | 3   | 10  |
| 95th Queue (ft)       | 21  | 22  |
| Link Distance (ft)    | 866 | 450 |
| Upstream Blk Time (%) |     |     |
| Queuing Penalty (veh) |     |     |
| Storage Bay Dist (ft) |     |     |
| Storage Blk Time (%)  |     |     |
| Queuing Penalty (veh) |     |     |

## Queuing and Blocking Report

### Intersection: 13: Nevada St & Oak St, Interval #1

| Movement              | EB  | WB  | NB   | SB  |
|-----------------------|-----|-----|------|-----|
| Directions Served     | LR  | LR  | LTR  | LTR |
| Maximum Queue (ft)    | 65  | 17  | 29   | 2   |
| Average Queue (ft)    | 40  | 3   | 7    | 0   |
| 95th Queue (ft)       | 69  | 19  | 32   | 5   |
| Link Distance (ft)    | 754 | 607 | 1747 | 720 |
| Upstream Blk Time (%) |     |     |      |     |
| Queuing Penalty (veh) |     |     |      |     |
| Storage Bay Dist (ft) |     |     |      |     |
| Storage Blk Time (%)  |     |     |      |     |
| Queuing Penalty (veh) |     |     |      |     |

### Intersection: 13: Nevada St & Oak St, Interval #2

| Movement              | EB  | WB  | NB   |
|-----------------------|-----|-----|------|
| Directions Served     | LR  | LR  | LTR  |
| Maximum Queue (ft)    | 78  | 28  | 36   |
| Average Queue (ft)    | 35  | 2   | 5    |
| 95th Queue (ft)       | 65  | 14  | 26   |
| Link Distance (ft)    | 754 | 607 | 1747 |
| Upstream Blk Time (%) |     |     |      |
| Queuing Penalty (veh) |     |     |      |
| Storage Bay Dist (ft) |     |     |      |
| Storage Blk Time (%)  |     |     |      |
| Queuing Penalty (veh) |     |     |      |

### Intersection: 13: Nevada St & Oak St, All Intervals

| Movement              | EB  | WB  | NB   | SB  |
|-----------------------|-----|-----|------|-----|
| Directions Served     | LR  | LR  | LTR  | LTR |
| Maximum Queue (ft)    | 88  | 28  | 42   | 2   |
| Average Queue (ft)    | 36  | 2   | 5    | 0   |
| 95th Queue (ft)       | 66  | 15  | 27   | 2   |
| Link Distance (ft)    | 754 | 607 | 1747 | 720 |
| Upstream Blk Time (%) |     |     |      |     |
| Queuing Penalty (veh) |     |     |      |     |
| Storage Bay Dist (ft) |     |     |      |     |
| Storage Blk Time (%)  |     |     |      |     |
| Queuing Penalty (veh) |     |     |      |     |

## Queuing and Blocking Report

### Intersection: 14: Hersey St & Oak St, Interval #1

| Movement              | EB  | EB  | WB  | WB   | NB  | NB  | SB  | SB   |
|-----------------------|-----|-----|-----|------|-----|-----|-----|------|
| Directions Served     | L   | TR  | L   | TR   | L   | TR  | L   | TR   |
| Maximum Queue (ft)    | 34  | 69  | 48  | 100  | 31  | 51  | 67  | 66   |
| Average Queue (ft)    | 11  | 43  | 25  | 66   | 22  | 30  | 38  | 46   |
| 95th Queue (ft)       | 37  | 70  | 54  | 105  | 39  | 55  | 69  | 72   |
| Link Distance (ft)    |     | 515 |     | 2631 |     | 598 |     | 1441 |
| Upstream Blk Time (%) |     |     |     |      |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |     |     |     |      |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |     | 100 |      |
| Storage Blk Time (%)  |     | 0   |     | 1    |     | 0   |     | 0    |
| Queuing Penalty (veh) |     | 0   |     | 0    |     | 0   |     | 0    |

### Intersection: 14: Hersey St & Oak St, Interval #2

| Movement              | EB  | EB  | WB  | WB   | NB  | NB  | SB  | SB   |
|-----------------------|-----|-----|-----|------|-----|-----|-----|------|
| Directions Served     | L   | TR  | L   | TR   | L   | TR  | L   | TR   |
| Maximum Queue (ft)    | 32  | 68  | 63  | 99   | 38  | 65  | 77  | 73   |
| Average Queue (ft)    | 8   | 39  | 23  | 56   | 20  | 28  | 32  | 40   |
| 95th Queue (ft)       | 29  | 60  | 55  | 87   | 40  | 53  | 64  | 65   |
| Link Distance (ft)    |     | 515 |     | 2631 |     | 598 |     | 1441 |
| Upstream Blk Time (%) |     |     |     |      |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |     |     |     |      |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |     | 100 |      |
| Storage Blk Time (%)  |     | 0   |     | 0    |     | 0   |     | 0    |
| Queuing Penalty (veh) |     | 0   |     | 0    |     | 0   |     | 0    |

### Intersection: 14: Hersey St & Oak St, All Intervals

| Movement              | EB  | EB  | WB  | WB   | NB  | NB  | SB  | SB   |
|-----------------------|-----|-----|-----|------|-----|-----|-----|------|
| Directions Served     | L   | TR  | L   | TR   | L   | TR  | L   | TR   |
| Maximum Queue (ft)    | 34  | 77  | 69  | 105  | 41  | 68  | 85  | 76   |
| Average Queue (ft)    | 9   | 40  | 24  | 59   | 20  | 29  | 33  | 42   |
| 95th Queue (ft)       | 32  | 63  | 55  | 92   | 40  | 54  | 66  | 67   |
| Link Distance (ft)    |     | 515 |     | 2631 |     | 598 |     | 1441 |
| Upstream Blk Time (%) |     |     |     |      |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |     |     |     |      |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |     | 100 |      |
| Storage Blk Time (%)  |     | 0   |     | 0    |     | 0   |     | 0    |
| Queuing Penalty (veh) |     | 0   |     | 0    |     | 0   |     | 0    |

## Queuing and Blocking Report

## Intersection: 15: Hersey St &amp; Mountain Ave, Interval #1

| Movement              | EB   | EB  | NB  | SB  | SB  |
|-----------------------|------|-----|-----|-----|-----|
| Directions Served     | L    | R   | LTR | T   | R   |
| Maximum Queue (ft)    | 28   | 75  | 107 | 54  | 39  |
| Average Queue (ft)    | 11   | 39  | 70  | 31  | 22  |
| 95th Queue (ft)       | 31   | 81  | 106 | 55  | 48  |
| Link Distance (ft)    | 2631 |     | 701 | 636 |     |
| Upstream Blk Time (%) |      |     |     |     |     |
| Queuing Penalty (veh) |      |     |     |     |     |
| Storage Bay Dist (ft) |      | 100 |     |     | 100 |
| Storage Blk Time (%)  |      | 0   |     |     |     |
| Queuing Penalty (veh) |      | 0   |     |     |     |

## Intersection: 15: Hersey St &amp; Mountain Ave, Interval #2

| Movement              | EB   | EB  | NB  | SB  | SB  |
|-----------------------|------|-----|-----|-----|-----|
| Directions Served     | L    | R   | LTR | T   | R   |
| Maximum Queue (ft)    | 852  | 119 | 118 | 214 | 117 |
| Average Queue (ft)    | 256  | 71  | 70  | 67  | 28  |
| 95th Queue (ft)       | 953  | 145 | 106 | 172 | 86  |
| Link Distance (ft)    | 2631 |     | 701 | 636 |     |
| Upstream Blk Time (%) |      |     |     |     |     |
| Queuing Penalty (veh) |      |     |     |     |     |
| Storage Bay Dist (ft) |      | 100 |     |     | 100 |
| Storage Blk Time (%)  |      | 35  |     | 15  | 0   |
| Queuing Penalty (veh) |      | 7   |     | 4   | 0   |

## Intersection: 15: Hersey St &amp; Mountain Ave, All Intervals

| Movement              | EB   | EB  | NB  | SB  | SB  |
|-----------------------|------|-----|-----|-----|-----|
| Directions Served     | L    | R   | LTR | T   | R   |
| Maximum Queue (ft)    | 855  | 119 | 122 | 214 | 117 |
| Average Queue (ft)    | 197  | 64  | 70  | 58  | 27  |
| 95th Queue (ft)       | 828  | 135 | 106 | 154 | 78  |
| Link Distance (ft)    | 2631 |     | 701 | 636 |     |
| Upstream Blk Time (%) |      |     |     |     |     |
| Queuing Penalty (veh) |      |     |     |     |     |
| Storage Bay Dist (ft) |      | 100 |     |     | 100 |
| Storage Blk Time (%)  |      | 26  |     | 12  | 0   |
| Queuing Penalty (veh) |      | 5   |     | 3   | 0   |

## Queuing and Blocking Report

### Intersection: 16: Lithia Way & Oak St, Interval #1

| Movement              | WB  | WB  | B95  | B95  | NB  | SB  |
|-----------------------|-----|-----|------|------|-----|-----|
| Directions Served     | LT  | TR  | T    | T    | LT  | TR  |
| Maximum Queue (ft)    | 117 | 126 | 2    | 3    | 139 | 95  |
| Average Queue (ft)    | 35  | 45  | 0    | 0    | 72  | 44  |
| 95th Queue (ft)       | 115 | 128 | 4    | 5    | 151 | 86  |
| Link Distance (ft)    | 157 | 157 | 1032 | 1032 | 219 | 250 |
| Upstream Blk Time (%) | 0   | 0   |      |      | 0   |     |
| Queuing Penalty (veh) | 1   | 1   |      |      | 0   |     |
| Storage Bay Dist (ft) |     |     |      |      |     |     |
| Storage Blk Time (%)  |     |     |      |      |     |     |
| Queuing Penalty (veh) |     |     |      |      |     |     |

### Intersection: 16: Lithia Way & Oak St, Interval #2

| Movement              | WB  | WB  | B95  | B95  | NB  | SB  |
|-----------------------|-----|-----|------|------|-----|-----|
| Directions Served     | LT  | TR  | T    | T    | LT  | TR  |
| Maximum Queue (ft)    | 116 | 147 | 18   | 12   | 126 | 96  |
| Average Queue (ft)    | 28  | 40  | 1    | 1    | 50  | 44  |
| 95th Queue (ft)       | 85  | 110 | 18   | 14   | 99  | 82  |
| Link Distance (ft)    | 157 | 157 | 1032 | 1032 | 219 | 250 |
| Upstream Blk Time (%) | 0   | 0   |      |      | 0   |     |
| Queuing Penalty (veh) | 0   | 1   |      |      | 0   |     |
| Storage Bay Dist (ft) |     |     |      |      |     |     |
| Storage Blk Time (%)  |     |     |      |      |     |     |
| Queuing Penalty (veh) |     |     |      |      |     |     |

### Intersection: 16: Lithia Way & Oak St, All Intervals

| Movement              | WB  | WB  | B95  | B95  | NB  | SB  |
|-----------------------|-----|-----|------|------|-----|-----|
| Directions Served     | LT  | TR  | T    | T    | LT  | TR  |
| Maximum Queue (ft)    | 144 | 153 | 20   | 15   | 162 | 112 |
| Average Queue (ft)    | 30  | 41  | 1    | 1    | 55  | 44  |
| 95th Queue (ft)       | 93  | 115 | 16   | 13   | 115 | 83  |
| Link Distance (ft)    | 157 | 157 | 1032 | 1032 | 219 | 250 |
| Upstream Blk Time (%) | 0   | 0   |      |      | 0   |     |
| Queuing Penalty (veh) | 0   | 1   |      |      | 0   |     |
| Storage Bay Dist (ft) |     |     |      |      |     |     |
| Storage Blk Time (%)  |     |     |      |      |     |     |
| Queuing Penalty (veh) |     |     |      |      |     |     |

## Queuing and Blocking Report

### Intersection: 17: E Main St & Lithia Way, Interval #1

| Movement              | EB  | WB  | NB | NB |
|-----------------------|-----|-----|----|----|
| Directions Served     | LT  | R   | T  | TR |
| Maximum Queue (ft)    | 92  | 146 | 58 | 70 |
| Average Queue (ft)    | 78  | 79  | 49 | 48 |
| 95th Queue (ft)       | 103 | 145 | 63 | 69 |
| Link Distance (ft)    | 79  | 828 |    |    |
| Upstream Blk Time (%) | 29  |     | 3  | 3  |
| Queuing Penalty (veh) | 57  |     | 0  | 0  |
| Storage Bay Dist (ft) |     |     |    |    |
| Storage Blk Time (%)  |     |     |    |    |
| Queuing Penalty (veh) |     |     |    |    |

### Intersection: 17: E Main St & Lithia Way, Interval #2

| Movement              | EB  | WB  | NB | NB |
|-----------------------|-----|-----|----|----|
| Directions Served     | LT  | R   | T  | TR |
| Maximum Queue (ft)    | 94  | 163 | 80 | 79 |
| Average Queue (ft)    | 76  | 68  | 49 | 47 |
| 95th Queue (ft)       | 101 | 130 | 64 | 67 |
| Link Distance (ft)    | 79  | 828 |    |    |
| Upstream Blk Time (%) | 23  |     | 3  | 3  |
| Queuing Penalty (veh) | 44  |     | 0  | 0  |
| Storage Bay Dist (ft) |     |     |    |    |
| Storage Blk Time (%)  |     |     |    |    |
| Queuing Penalty (veh) |     |     |    |    |

### Intersection: 17: E Main St & Lithia Way, All Intervals

| Movement              | EB  | WB  | NB | NB |
|-----------------------|-----|-----|----|----|
| Directions Served     | LT  | R   | T  | TR |
| Maximum Queue (ft)    | 96  | 175 | 81 | 84 |
| Average Queue (ft)    | 77  | 71  | 49 | 47 |
| 95th Queue (ft)       | 102 | 134 | 63 | 68 |
| Link Distance (ft)    | 79  | 828 |    |    |
| Upstream Blk Time (%) | 25  |     | 3  | 3  |
| Queuing Penalty (veh) | 47  |     | 0  | 0  |
| Storage Bay Dist (ft) |     |     |    |    |
| Storage Blk Time (%)  |     |     |    |    |
| Queuing Penalty (veh) |     |     |    |    |

## Queuing and Blocking Report

## Intersection: 18: E Main St &amp; Mountain Ave, Interval #1

| Movement              | EB  | EB  | WB  | WB   | NB  | NB   | SB   | SB  | B40 |
|-----------------------|-----|-----|-----|------|-----|------|------|-----|-----|
| Directions Served     | L   | TR  | L   | TR   | L   | TR   | L    | TR  | T   |
| Maximum Queue (ft)    | 58  | 192 | 27  | 208  | 76  | 148  | 1746 | 224 | 73  |
| Average Queue (ft)    | 27  | 77  | 6   | 101  | 28  | 82   | 1304 | 160 | 12  |
| 95th Queue (ft)       | 67  | 168 | 28  | 195  | 75  | 151  | 2069 | 310 | 107 |
| Link Distance (ft)    |     | 588 |     | 1747 |     | 1219 | 2047 |     | 701 |
| Upstream Blk Time (%) |     |     |     |      |     |      | 5    |     |     |
| Queuing Penalty (veh) |     |     |     |      |     |      | 18   |     |     |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |      |      | 200 |     |
| Storage Blk Time (%)  | 0   | 3   |     | 5    | 0   | 6    | 89   | 1   |     |
| Queuing Penalty (veh) | 1   | 1   |     | 1    | 0   | 2    | 112  | 4   |     |

## Intersection: 18: E Main St &amp; Mountain Ave, Interval #2

| Movement              | EB  | EB  | WB  | WB   | NB  | NB   | SB   | SB  | B40 |
|-----------------------|-----|-----|-----|------|-----|------|------|-----|-----|
| Directions Served     | L   | TR  | L   | TR   | L   | TR   | L    | TR  | T   |
| Maximum Queue (ft)    | 78  | 168 | 67  | 234  | 110 | 170  | 2102 | 225 | 690 |
| Average Queue (ft)    | 25  | 59  | 10  | 97   | 28  | 76   | 2039 | 152 | 444 |
| 95th Queue (ft)       | 64  | 134 | 48  | 196  | 81  | 149  | 2330 | 300 | 925 |
| Link Distance (ft)    |     | 588 |     | 1747 |     | 1219 | 2047 |     | 701 |
| Upstream Blk Time (%) |     |     |     |      |     |      | 68   |     | 31  |
| Queuing Penalty (veh) |     |     |     |      |     |      | 214  |     | 97  |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |      |      | 200 |     |
| Storage Blk Time (%)  | 0   | 2   | 0   | 4    | 0   | 6    | 87   | 1   |     |
| Queuing Penalty (veh) | 0   | 1   | 0   | 1    | 0   | 2    | 103  | 2   |     |

## Intersection: 18: E Main St &amp; Mountain Ave, All Intervals

| Movement              | EB  | EB  | WB  | WB   | NB  | NB   | SB   | SB  | B40 |
|-----------------------|-----|-----|-----|------|-----|------|------|-----|-----|
| Directions Served     | L   | TR  | L   | TR   | L   | TR   | L    | TR  | T   |
| Maximum Queue (ft)    | 85  | 197 | 67  | 262  | 115 | 181  | 2102 | 225 | 690 |
| Average Queue (ft)    | 25  | 63  | 9   | 98   | 28  | 78   | 1862 | 154 | 340 |
| 95th Queue (ft)       | 64  | 144 | 44  | 196  | 80  | 149  | 2551 | 302 | 860 |
| Link Distance (ft)    |     | 588 |     | 1747 |     | 1219 | 2047 |     | 701 |
| Upstream Blk Time (%) |     |     |     |      |     |      | 52   |     | 23  |
| Queuing Penalty (veh) |     |     |     |      |     |      | 165  |     | 73  |
| Storage Bay Dist (ft) | 100 |     | 100 |      | 100 |      |      | 200 |     |
| Storage Blk Time (%)  | 0   | 2   | 0   | 4    | 0   | 6    | 88   | 1   |     |
| Queuing Penalty (veh) | 0   | 1   | 0   | 1    | 0   | 2    | 105  | 2   |     |

## Queuing and Blocking Report

### Intersection: 19: E Main St & Walker Ave, Interval #1

| Movement              | EB   | WB  | NB   | NB  |
|-----------------------|------|-----|------|-----|
| Directions Served     | TR   | LT  | L    | R   |
| Maximum Queue (ft)    | 9    | 54  | 76   | 66  |
| Average Queue (ft)    | 1    | 13  | 44   | 26  |
| 95th Queue (ft)       | 19   | 53  | 82   | 67  |
| Link Distance (ft)    | 1143 | 741 | 1571 |     |
| Upstream Blk Time (%) |      |     |      |     |
| Queuing Penalty (veh) |      |     |      |     |
| Storage Bay Dist (ft) |      |     |      | 100 |
| Storage Blk Time (%)  |      |     | 1    | 0   |
| Queuing Penalty (veh) |      |     | 0    | 0   |

### Intersection: 19: E Main St & Walker Ave, Interval #2

| Movement              | EB   | WB  | NB   | NB  |
|-----------------------|------|-----|------|-----|
| Directions Served     | TR   | LT  | L    | R   |
| Maximum Queue (ft)    | 34   | 90  | 100  | 80  |
| Average Queue (ft)    | 2    | 15  | 45   | 23  |
| 95th Queue (ft)       | 24   | 58  | 81   | 63  |
| Link Distance (ft)    | 1143 | 741 | 1571 |     |
| Upstream Blk Time (%) |      |     |      |     |
| Queuing Penalty (veh) |      |     |      |     |
| Storage Bay Dist (ft) |      |     |      | 100 |
| Storage Blk Time (%)  |      |     | 0    | 0   |
| Queuing Penalty (veh) |      |     | 0    | 0   |

### Intersection: 19: E Main St & Walker Ave, All Intervals

| Movement              | EB   | WB  | NB   | NB  |
|-----------------------|------|-----|------|-----|
| Directions Served     | TR   | LT  | L    | R   |
| Maximum Queue (ft)    | 37   | 93  | 105  | 91  |
| Average Queue (ft)    | 2    | 14  | 45   | 24  |
| 95th Queue (ft)       | 23   | 57  | 81   | 64  |
| Link Distance (ft)    | 1143 | 741 | 1571 |     |
| Upstream Blk Time (%) |      |     |      |     |
| Queuing Penalty (veh) |      |     |      |     |
| Storage Bay Dist (ft) |      |     |      | 100 |
| Storage Blk Time (%)  |      |     | 0    | 0   |
| Queuing Penalty (veh) |      |     | 0    | 0   |



## Queuing and Blocking Report

### Intersection: 20: Iowa St & Mountain Ave, Interval #1

| Movement              | EB  | WB   | NB  | SB   |
|-----------------------|-----|------|-----|------|
| Directions Served     | LTR | LR   | TR  | LT   |
| Maximum Queue (ft)    | 45  | 56   | 14  | 29   |
| Average Queue (ft)    | 26  | 38   | 2   | 5    |
| 95th Queue (ft)       | 55  | 61   | 21  | 27   |
| Link Distance (ft)    | 176 | 2945 | 344 | 1219 |
| Upstream Blk Time (%) |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |
| Storage Bay Dist (ft) |     |      |     |      |
| Storage Blk Time (%)  |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |

### Intersection: 20: Iowa St & Mountain Ave, Interval #2

| Movement              | EB  | WB   | NB  | SB   |
|-----------------------|-----|------|-----|------|
| Directions Served     | LTR | LR   | TR  | LT   |
| Maximum Queue (ft)    | 41  | 78   | 6   | 46   |
| Average Queue (ft)    | 22  | 37   | 0   | 6    |
| 95th Queue (ft)       | 50  | 63   | 6   | 28   |
| Link Distance (ft)    | 176 | 2945 | 344 | 1219 |
| Upstream Blk Time (%) |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |
| Storage Bay Dist (ft) |     |      |     |      |
| Storage Blk Time (%)  |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |

### Intersection: 20: Iowa St & Mountain Ave, All Intervals

| Movement              | EB  | WB   | NB  | SB   |
|-----------------------|-----|------|-----|------|
| Directions Served     | LTR | LR   | TR  | LT   |
| Maximum Queue (ft)    | 48  | 81   | 17  | 54   |
| Average Queue (ft)    | 23  | 37   | 1   | 5    |
| 95th Queue (ft)       | 51  | 63   | 11  | 28   |
| Link Distance (ft)    | 176 | 2945 | 344 | 1219 |
| Upstream Blk Time (%) |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |
| Storage Bay Dist (ft) |     |      |     |      |
| Storage Blk Time (%)  |     |      |     |      |
| Queuing Penalty (veh) |     |      |     |      |

## Queuing and Blocking Report

### Intersection: 21: Iowa St & Walker Ave, Interval #1

| Movement              | EB   | NB   | SB   |
|-----------------------|------|------|------|
| Directions Served     | LR   | LTR  | LTR  |
| Maximum Queue (ft)    | 61   | 88   | 71   |
| Average Queue (ft)    | 41   | 56   | 47   |
| 95th Queue (ft)       | 61   | 90   | 72   |
| Link Distance (ft)    | 2945 | 1734 | 1571 |
| Upstream Blk Time (%) |      |      |      |
| Queuing Penalty (veh) |      |      |      |
| Storage Bay Dist (ft) |      |      |      |
| Storage Blk Time (%)  |      |      |      |
| Queuing Penalty (veh) |      |      |      |

### Intersection: 21: Iowa St & Walker Ave, Interval #2

| Movement              | EB   | WB  | NB   | SB   |
|-----------------------|------|-----|------|------|
| Directions Served     | LR   | LTR | LTR  | LTR  |
| Maximum Queue (ft)    | 71   | 34  | 81   | 79   |
| Average Queue (ft)    | 39   | 2   | 50   | 46   |
| 95th Queue (ft)       | 65   | 17  | 78   | 74   |
| Link Distance (ft)    | 2945 | 209 | 1734 | 1571 |
| Upstream Blk Time (%) |      |     |      |      |
| Queuing Penalty (veh) |      |     |      |      |
| Storage Bay Dist (ft) |      |     |      |      |
| Storage Blk Time (%)  |      |     |      |      |
| Queuing Penalty (veh) |      |     |      |      |

### Intersection: 21: Iowa St & Walker Ave, All Intervals

| Movement              | EB   | WB  | NB   | SB   |
|-----------------------|------|-----|------|------|
| Directions Served     | LR   | LTR | LTR  | LTR  |
| Maximum Queue (ft)    | 71   | 34  | 94   | 82   |
| Average Queue (ft)    | 40   | 2   | 52   | 46   |
| 95th Queue (ft)       | 64   | 15  | 81   | 73   |
| Link Distance (ft)    | 2945 | 209 | 1734 | 1571 |
| Upstream Blk Time (%) |      |     |      |      |
| Queuing Penalty (veh) |      |     |      |      |
| Storage Bay Dist (ft) |      |     |      |      |
| Storage Blk Time (%)  |      |     |      |      |
| Queuing Penalty (veh) |      |     |      |      |

## Queuing and Blocking Report

## Intersection: 22: OR-66 &amp; Walker Ave, Interval #1

| Movement              | EB  | EB  | EB  | WB  | WB   | WB   | NB  | SB   |
|-----------------------|-----|-----|-----|-----|------|------|-----|------|
| Directions Served     | L   | T   | TR  | L   | T    | TR   | LTR | LTR  |
| Maximum Queue (ft)    | 88  | 171 | 192 | 97  | 150  | 177  | 110 | 155  |
| Average Queue (ft)    | 49  | 86  | 111 | 53  | 71   | 96   | 65  | 93   |
| 95th Queue (ft)       | 93  | 184 | 212 | 100 | 149  | 176  | 119 | 162  |
| Link Distance (ft)    |     | 826 | 826 |     | 4429 | 4429 | 563 | 1734 |
| Upstream Blk Time (%) |     |     |     |     |      |      |     |      |
| Queuing Penalty (veh) |     |     |     |     |      |      |     |      |
| Storage Bay Dist (ft) | 100 |     |     | 100 |      |      |     |      |
| Storage Blk Time (%)  | 1   | 5   |     | 1   | 2    |      |     |      |
| Queuing Penalty (veh) | 2   | 3   |     | 4   | 1    |      |     |      |

## Intersection: 22: OR-66 &amp; Walker Ave, Interval #2

| Movement              | EB  | EB  | EB  | WB  | WB   | WB   | NB  | SB   |
|-----------------------|-----|-----|-----|-----|------|------|-----|------|
| Directions Served     | L   | T   | TR  | L   | T    | TR   | LTR | LTR  |
| Maximum Queue (ft)    | 112 | 231 | 240 | 118 | 184  | 215  | 129 | 188  |
| Average Queue (ft)    | 45  | 79  | 99  | 48  | 71   | 92   | 57  | 92   |
| 95th Queue (ft)       | 95  | 185 | 209 | 98  | 153  | 177  | 106 | 164  |
| Link Distance (ft)    |     | 826 | 826 |     | 4429 | 4429 | 563 | 1734 |
| Upstream Blk Time (%) |     |     |     |     |      |      |     |      |
| Queuing Penalty (veh) |     |     |     |     |      |      |     |      |
| Storage Bay Dist (ft) | 100 |     |     | 100 |      |      |     |      |
| Storage Blk Time (%)  | 1   | 4   |     | 1   | 2    |      |     |      |
| Queuing Penalty (veh) | 1   | 2   |     | 3   | 1    |      |     |      |

## Intersection: 22: OR-66 &amp; Walker Ave, All Intervals

| Movement              | EB  | EB  | EB  | WB  | WB   | WB   | NB  | SB   |
|-----------------------|-----|-----|-----|-----|------|------|-----|------|
| Directions Served     | L   | T   | TR  | L   | T    | TR   | LTR | LTR  |
| Maximum Queue (ft)    | 113 | 231 | 240 | 123 | 186  | 218  | 132 | 194  |
| Average Queue (ft)    | 46  | 81  | 102 | 49  | 71   | 93   | 59  | 93   |
| 95th Queue (ft)       | 95  | 185 | 210 | 98  | 152  | 177  | 110 | 163  |
| Link Distance (ft)    |     | 826 | 826 |     | 4429 | 4429 | 563 | 1734 |
| Upstream Blk Time (%) |     |     |     |     |      |      |     |      |
| Queuing Penalty (veh) |     |     |     |     |      |      |     |      |
| Storage Bay Dist (ft) | 100 |     |     | 100 |      |      |     |      |
| Storage Blk Time (%)  | 1   | 4   |     | 1   | 2    |      |     |      |
| Queuing Penalty (veh) | 1   | 2   |     | 3   | 1    |      |     |      |

## Queuing and Blocking Report

## Intersection: 23: OR-66 &amp; Tolman Creek Rd, Interval #1

| Movement              | EB  | EB   | EB   | WB  | WB  | WB  | NB  | NB   | SB  | SB  |
|-----------------------|-----|------|------|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L   | T    | TR   | L   | T   | TR  | L   | TR   | L   | TR  |
| Maximum Queue (ft)    | 124 | 294  | 257  | 125 | 259 | 243 | 124 | 398  | 102 | 211 |
| Average Queue (ft)    | 85  | 187  | 138  | 113 | 167 | 145 | 72  | 233  | 60  | 136 |
| 95th Queue (ft)       | 142 | 306  | 245  | 146 | 311 | 261 | 135 | 463  | 116 | 230 |
| Link Distance (ft)    |     | 4429 | 4429 |     | 635 | 635 |     | 1079 |     | 821 |
| Upstream Blk Time (%) |     |      |      |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |     |      |      |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      |      | 100 |     |     | 100 |      | 100 |     |
| Storage Blk Time (%)  | 7   | 20   |      | 32  | 2   |     | 4   | 28   | 3   | 16  |
| Queuing Penalty (veh) | 19  | 20   |      | 84  | 4   |     | 13  | 22   | 6   | 11  |

## Intersection: 23: OR-66 &amp; Tolman Creek Rd, Interval #2

| Movement              | EB  | EB   | EB   | WB  | WB  | WB  | NB  | NB   | SB  | SB  |
|-----------------------|-----|------|------|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L   | T    | TR   | L   | T   | TR  | L   | TR   | L   | TR  |
| Maximum Queue (ft)    | 125 | 345  | 228  | 125 | 355 | 305 | 125 | 406  | 125 | 268 |
| Average Queue (ft)    | 81  | 168  | 103  | 111 | 158 | 139 | 62  | 180  | 62  | 120 |
| 95th Queue (ft)       | 144 | 305  | 200  | 147 | 329 | 264 | 120 | 342  | 121 | 223 |
| Link Distance (ft)    |     | 4429 | 4429 |     | 635 | 635 |     | 1079 |     | 821 |
| Upstream Blk Time (%) |     |      |      |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |     |      |      |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      |      | 100 |     |     | 100 |      | 100 |     |
| Storage Blk Time (%)  | 9   | 16   |      | 30  | 3   |     | 3   | 23   | 2   | 13  |
| Queuing Penalty (veh) | 23  | 14   |      | 68  | 5   |     | 8   | 15   | 5   | 8   |

## Intersection: 23: OR-66 &amp; Tolman Creek Rd, All Intervals

| Movement              | EB  | EB   | EB   | WB  | WB  | WB  | NB  | NB   | SB  | SB  |
|-----------------------|-----|------|------|-----|-----|-----|-----|------|-----|-----|
| Directions Served     | L   | T    | TR   | L   | T   | TR  | L   | TR   | L   | TR  |
| Maximum Queue (ft)    | 125 | 363  | 267  | 125 | 365 | 322 | 125 | 450  | 125 | 278 |
| Average Queue (ft)    | 82  | 173  | 111  | 112 | 160 | 141 | 64  | 192  | 62  | 124 |
| 95th Queue (ft)       | 143 | 306  | 214  | 146 | 325 | 263 | 124 | 377  | 120 | 226 |
| Link Distance (ft)    |     | 4429 | 4429 |     | 635 | 635 |     | 1079 |     | 821 |
| Upstream Blk Time (%) |     |      |      |     |     |     |     |      |     |     |
| Queuing Penalty (veh) |     |      |      |     |     |     |     |      |     |     |
| Storage Bay Dist (ft) | 100 |      |      | 100 |     |     | 100 |      | 100 |     |
| Storage Blk Time (%)  | 9   | 17   |      | 30  | 3   |     | 3   | 24   | 3   | 13  |
| Queuing Penalty (veh) | 22  | 15   |      | 72  | 5   |     | 10  | 17   | 5   | 8   |

## Queuing and Blocking Report

### Intersection: 24: OR-66 & Washington St., Interval #1

| Movement              | EB  | EB  | WB  | WB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|
| Directions Served     | T   | TR  | L   | T   | T   | L   | R   |
| Maximum Queue (ft)    | 85  | 37  | 36  | 18  | 16  | 77  | 48  |
| Average Queue (ft)    | 12  | 2   | 10  | 3   | 3   | 41  | 27  |
| 95th Queue (ft)       | 80  | 22  | 36  | 22  | 25  | 82  | 56  |
| Link Distance (ft)    | 635 | 635 |     | 371 | 371 |     | 799 |
| Upstream Blk Time (%) |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |
| Storage Bay Dist (ft) |     |     | 320 |     |     | 150 |     |
| Storage Blk Time (%)  |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |

### Intersection: 24: OR-66 & Washington St., Interval #2

| Movement              | EB  | EB  | WB  | WB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|
| Directions Served     | T   | TR  | L   | T   | T   | L   | R   |
| Maximum Queue (ft)    | 96  | 46  | 43  | 26  | 30  | 87  | 57  |
| Average Queue (ft)    | 7   | 3   | 11  | 2   | 2   | 36  | 26  |
| 95th Queue (ft)       | 67  | 55  | 38  | 17  | 18  | 75  | 56  |
| Link Distance (ft)    | 635 | 635 |     | 371 | 371 |     | 799 |
| Upstream Blk Time (%) |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |
| Storage Bay Dist (ft) |     |     | 320 |     |     | 150 |     |
| Storage Blk Time (%)  |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |

### Intersection: 24: OR-66 & Washington St., All Intervals

| Movement              | EB  | EB  | WB  | WB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|
| Directions Served     | T   | TR  | L   | T   | T   | L   | R   |
| Maximum Queue (ft)    | 130 | 58  | 44  | 33  | 38  | 94  | 63  |
| Average Queue (ft)    | 8   | 3   | 10  | 2   | 2   | 37  | 26  |
| 95th Queue (ft)       | 70  | 49  | 38  | 19  | 20  | 76  | 56  |
| Link Distance (ft)    | 635 | 635 |     | 371 | 371 |     | 799 |
| Upstream Blk Time (%) |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |
| Storage Bay Dist (ft) |     |     | 320 |     |     | 150 |     |
| Storage Blk Time (%)  |     |     |     |     |     |     |     |
| Queuing Penalty (veh) |     |     |     |     |     |     |     |

## Queuing and Blocking Report

### Intersection: 25: OR-66 & I-5 Southbound Exit Ramp, Interval #1

| Movement              | EB  | EB  | WB  | SB  | SB  |
|-----------------------|-----|-----|-----|-----|-----|
| Directions Served     | T   | R   | LT  | LT  | R   |
| Maximum Queue (ft)    | 145 | 41  | 60  | 431 | 158 |
| Average Queue (ft)    | 46  | 0   | 14  | 249 | 77  |
| 95th Queue (ft)       | 199 | 0   | 63  | 554 | 219 |
| Link Distance (ft)    | 371 | 371 | 500 | 521 |     |
| Upstream Blk Time (%) | 1   | 0   |     | 12  |     |
| Queuing Penalty (veh) | 3   | 0   |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     |     | 150 |
| Storage Blk Time (%)  |     |     |     | 34  | 1   |
| Queuing Penalty (veh) |     |     |     | 118 | 2   |

### Intersection: 25: OR-66 & I-5 Southbound Exit Ramp, Interval #2

| Movement              | EB  | WB  | SB  | SB  |
|-----------------------|-----|-----|-----|-----|
| Directions Served     | T   | LT  | LT  | R   |
| Maximum Queue (ft)    | 200 | 104 | 461 | 175 |
| Average Queue (ft)    | 22  | 12  | 269 | 86  |
| 95th Queue (ft)       | 136 | 58  | 608 | 230 |
| Link Distance (ft)    | 371 | 500 | 521 |     |
| Upstream Blk Time (%) | 0   |     | 17  |     |
| Queuing Penalty (veh) | 1   |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     | 150 |
| Storage Blk Time (%)  |     |     | 31  | 1   |
| Queuing Penalty (veh) |     |     | 104 | 2   |

### Intersection: 25: OR-66 & I-5 Southbound Exit Ramp, All Intervals

| Movement              | EB  | EB  | WB  | SB  | SB  |
|-----------------------|-----|-----|-----|-----|-----|
| Directions Served     | T   | R   | LT  | LT  | R   |
| Maximum Queue (ft)    | 244 | 41  | 108 | 505 | 175 |
| Average Queue (ft)    | 28  | 0   | 12  | 264 | 84  |
| 95th Queue (ft)       | 153 | 0   | 59  | 596 | 227 |
| Link Distance (ft)    | 371 | 371 | 500 | 521 |     |
| Upstream Blk Time (%) | 0   | 0   |     | 16  |     |
| Queuing Penalty (veh) | 1   | 0   |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     |     | 150 |
| Storage Blk Time (%)  |     |     |     | 32  | 1   |
| Queuing Penalty (veh) |     |     |     | 108 | 2   |

## Queuing and Blocking Report

### Intersection: 26: OR-66 & I-5 Northbound Exit Ramp, Interval #1

| Movement              | EB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|
| Directions Served     | LT  | TR  | LT  | R   |
| Maximum Queue (ft)    | 487 | 2   | 252 | 35  |
| Average Queue (ft)    | 337 | 0   | 137 | 5   |
| 95th Queue (ft)       | 583 | 0   | 309 | 52  |
| Link Distance (ft)    | 500 | 711 | 424 |     |
| Upstream Blk Time (%) | 4   |     | 2   |     |
| Queuing Penalty (veh) | 38  |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     | 150 |
| Storage Blk Time (%)  |     |     | 29  | 0   |
| Queuing Penalty (veh) |     |     | 11  | 0   |

### Intersection: 26: OR-66 & I-5 Northbound Exit Ramp, Interval #2

| Movement              | EB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|
| Directions Served     | LT  | TR  | LT  | R   |
| Maximum Queue (ft)    | 486 | 9   | 419 | 175 |
| Average Queue (ft)    | 254 | 1   | 309 | 43  |
| 95th Queue (ft)       | 504 | 7   | 545 | 166 |
| Link Distance (ft)    | 500 | 711 | 424 |     |
| Upstream Blk Time (%) | 1   |     | 43  |     |
| Queuing Penalty (veh) | 13  |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     | 150 |
| Storage Blk Time (%)  |     |     | 75  | 0   |
| Queuing Penalty (veh) |     |     | 25  | 0   |

### Intersection: 26: OR-66 & I-5 Northbound Exit Ramp, All Intervals

| Movement              | EB  | WB  | NB  | NB  |
|-----------------------|-----|-----|-----|-----|
| Directions Served     | LT  | TR  | LT  | R   |
| Maximum Queue (ft)    | 506 | 11  | 419 | 175 |
| Average Queue (ft)    | 274 | 0   | 267 | 33  |
| 95th Queue (ft)       | 530 | 6   | 521 | 147 |
| Link Distance (ft)    | 500 | 711 | 424 |     |
| Upstream Blk Time (%) | 2   |     | 33  |     |
| Queuing Penalty (veh) | 19  |     | 0   |     |
| Storage Bay Dist (ft) |     |     |     | 150 |
| Storage Blk Time (%)  |     |     | 63  | 0   |
| Queuing Penalty (veh) |     |     | 22  | 0   |

## Queuing and Blocking Report

### Intersection: 27: Oak Knoll Dr & OR-66, Interval #1

| Movement              | EB  | WB | WB  | NB   |
|-----------------------|-----|----|-----|------|
| Directions Served     | LTR | L  | TR  | LTR  |
| Maximum Queue (ft)    | 84  | 17 | 9   | 44   |
| Average Queue (ft)    | 44  | 5  | 2   | 9    |
| 95th Queue (ft)       | 87  | 17 | 13  | 52   |
| Link Distance (ft)    | 381 |    | 697 | 1250 |
| Upstream Blk Time (%) |     |    |     |      |
| Queuing Penalty (veh) |     |    |     |      |
| Storage Bay Dist (ft) |     | 25 |     |      |
| Storage Blk Time (%)  |     | 1  | 0   |      |
| Queuing Penalty (veh) |     | 0  | 0   |      |

### Intersection: 27: Oak Knoll Dr & OR-66, Interval #2

| Movement              | EB  | WB | WB  | NB   | SB  |
|-----------------------|-----|----|-----|------|-----|
| Directions Served     | LTR | L  | TR  | LTR  | LTR |
| Maximum Queue (ft)    | 106 | 14 | 28  | 51   | 6   |
| Average Queue (ft)    | 39  | 3  | 4   | 5    | 0   |
| 95th Queue (ft)       | 82  | 11 | 19  | 35   | 5   |
| Link Distance (ft)    | 381 |    | 697 | 1250 | 475 |
| Upstream Blk Time (%) |     |    |     |      |     |
| Queuing Penalty (veh) |     |    |     |      |     |
| Storage Bay Dist (ft) |     | 25 |     |      |     |
| Storage Blk Time (%)  |     | 0  | 1   |      |     |
| Queuing Penalty (veh) |     | 0  | 0   |      |     |

### Intersection: 27: Oak Knoll Dr & OR-66, All Intervals

| Movement              | EB  | WB | WB  | NB   | SB  |
|-----------------------|-----|----|-----|------|-----|
| Directions Served     | LTR | L  | TR  | LTR  | LTR |
| Maximum Queue (ft)    | 121 | 22 | 28  | 75   | 6   |
| Average Queue (ft)    | 40  | 4  | 3   | 6    | 0   |
| 95th Queue (ft)       | 83  | 13 | 17  | 40   | 4   |
| Link Distance (ft)    | 381 |    | 697 | 1250 | 475 |
| Upstream Blk Time (%) |     |    |     |      |     |
| Queuing Penalty (veh) |     |    |     |      |     |
| Storage Bay Dist (ft) |     | 25 |     |      |     |
| Storage Blk Time (%)  |     | 0  | 1   |      |     |
| Queuing Penalty (veh) |     | 0  | 0   |      |     |



## Queuing and Blocking Report

### Intersection: 28: Dead Indian Memorial Rd & OR-66, Interval #1

| Movement              | WB  | SB   |
|-----------------------|-----|------|
| Directions Served     | LR  | LT   |
| Maximum Queue (ft)    | 66  | 57   |
| Average Queue (ft)    | 43  | 21   |
| 95th Queue (ft)       | 70  | 59   |
| Link Distance (ft)    | 257 | 1250 |
| Upstream Blk Time (%) |     |      |
| Queuing Penalty (veh) |     |      |
| Storage Bay Dist (ft) |     |      |
| Storage Blk Time (%)  |     |      |
| Queuing Penalty (veh) |     |      |

### Intersection: 28: Dead Indian Memorial Rd & OR-66, Interval #2

| Movement              | WB  | SB   |
|-----------------------|-----|------|
| Directions Served     | LR  | LT   |
| Maximum Queue (ft)    | 76  | 72   |
| Average Queue (ft)    | 37  | 17   |
| 95th Queue (ft)       | 63  | 54   |
| Link Distance (ft)    | 257 | 1250 |
| Upstream Blk Time (%) |     |      |
| Queuing Penalty (veh) |     |      |
| Storage Bay Dist (ft) |     |      |
| Storage Blk Time (%)  |     |      |
| Queuing Penalty (veh) |     |      |

### Intersection: 28: Dead Indian Memorial Rd & OR-66, All Intervals

| Movement              | WB  | SB   |
|-----------------------|-----|------|
| Directions Served     | LR  | LT   |
| Maximum Queue (ft)    | 81  | 78   |
| Average Queue (ft)    | 39  | 18   |
| 95th Queue (ft)       | 65  | 56   |
| Link Distance (ft)    | 257 | 1250 |
| Upstream Blk Time (%) |     |      |
| Queuing Penalty (veh) |     |      |
| Storage Bay Dist (ft) |     |      |
| Storage Blk Time (%)  |     |      |
| Queuing Penalty (veh) |     |      |

## Queuing and Blocking Report

## Intersection: 29: Mistletoe Rd &amp; Tolman Creek Rd, Interval #1

| Movement              | EB  | WB  | NB   | SB   |
|-----------------------|-----|-----|------|------|
| Directions Served     | LR  | LTR | LTR  | LTR  |
| Maximum Queue (ft)    | 40  | 40  | 11   | 46   |
| Average Queue (ft)    | 19  | 31  | 2    | 10   |
| 95th Queue (ft)       | 49  | 53  | 23   | 43   |
| Link Distance (ft)    | 470 | 862 | 2436 | 1079 |
| Upstream Blk Time (%) |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      |
| Storage Blk Time (%)  |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |

## Intersection: 29: Mistletoe Rd &amp; Tolman Creek Rd, Interval #2

| Movement              | EB  | WB  | NB   | SB   |
|-----------------------|-----|-----|------|------|
| Directions Served     | LR  | LTR | LTR  | LTR  |
| Maximum Queue (ft)    | 38  | 54  | 10   | 63   |
| Average Queue (ft)    | 14  | 29  | 1    | 9    |
| 95th Queue (ft)       | 42  | 55  | 9    | 43   |
| Link Distance (ft)    | 470 | 862 | 2436 | 1079 |
| Upstream Blk Time (%) |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      |
| Storage Blk Time (%)  |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |

## Intersection: 29: Mistletoe Rd &amp; Tolman Creek Rd, All Intervals

| Movement              | EB  | WB  | NB   | SB   |
|-----------------------|-----|-----|------|------|
| Directions Served     | LR  | LTR | LTR  | LTR  |
| Maximum Queue (ft)    | 43  | 57  | 21   | 72   |
| Average Queue (ft)    | 15  | 29  | 1    | 9    |
| 95th Queue (ft)       | 44  | 55  | 14   | 43   |
| Link Distance (ft)    | 470 | 862 | 2436 | 1079 |
| Upstream Blk Time (%) |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |
| Storage Bay Dist (ft) |     |     |      |      |
| Storage Blk Time (%)  |     |     |      |      |
| Queuing Penalty (veh) |     |     |      |      |

## Queuing and Blocking Report

### Intersection: 30: Nutley St & Granite St, Interval #1

| Movement              | EB  | WB  | NB  |
|-----------------------|-----|-----|-----|
| Directions Served     | LTR | LTR | LTR |
| Maximum Queue (ft)    | 28  | 45  | 3   |
| Average Queue (ft)    | 8   | 22  | 0   |
| 95th Queue (ft)       | 31  | 49  | 6   |
| Link Distance (ft)    | 270 |     |     |
| Upstream Blk Time (%) |     |     |     |
| Queuing Penalty (veh) |     |     |     |
| Storage Bay Dist (ft) |     |     |     |
| Storage Blk Time (%)  |     |     |     |
| Queuing Penalty (veh) |     |     |     |

### Intersection: 30: Nutley St & Granite St, Interval #2

| Movement              | EB  | WB  | NB  |
|-----------------------|-----|-----|-----|
| Directions Served     | LTR | LTR | LTR |
| Maximum Queue (ft)    | 31  | 35  | 9   |
| Average Queue (ft)    | 9   | 15  | 0   |
| 95th Queue (ft)       | 33  | 39  | 6   |
| Link Distance (ft)    | 270 |     |     |
| Upstream Blk Time (%) |     |     |     |
| Queuing Penalty (veh) |     |     |     |
| Storage Bay Dist (ft) |     |     |     |
| Storage Blk Time (%)  |     |     |     |
| Queuing Penalty (veh) |     |     |     |

### Intersection: 30: Nutley St & Granite St, All Intervals

| Movement              | EB  | WB  | NB  |
|-----------------------|-----|-----|-----|
| Directions Served     | LTR | LTR | LTR |
| Maximum Queue (ft)    | 35  | 45  | 12  |
| Average Queue (ft)    | 8   | 17  | 0   |
| 95th Queue (ft)       | 33  | 42  | 6   |
| Link Distance (ft)    | 270 |     |     |
| Upstream Blk Time (%) |     |     |     |
| Queuing Penalty (veh) |     |     |     |
| Storage Bay Dist (ft) |     |     |     |
| Storage Blk Time (%)  |     |     |     |
| Queuing Penalty (veh) |     |     |     |

## Queuing and Blocking Report

## Intersection: 31: Ashland St &amp; Mountain Ave, Interval #1

| Movement              | EB  | WB  | SB   |
|-----------------------|-----|-----|------|
| Directions Served     | LTR | LTR | LTR  |
| Maximum Queue (ft)    | 40  | 59  | 22   |
| Average Queue (ft)    | 31  | 39  | 5    |
| 95th Queue (ft)       | 53  | 60  | 26   |
| Link Distance (ft)    | 459 | 423 | 1247 |
| Upstream Blk Time (%) |     |     |      |
| Queuing Penalty (veh) |     |     |      |
| Storage Bay Dist (ft) |     |     |      |
| Storage Blk Time (%)  |     |     |      |
| Queuing Penalty (veh) |     |     |      |

## Intersection: 31: Ashland St &amp; Mountain Ave, Interval #2

| Movement              | EB  | WB  | NB  | SB   |
|-----------------------|-----|-----|-----|------|
| Directions Served     | LTR | LTR | LTR | LTR  |
| Maximum Queue (ft)    | 45  | 61  | 6   | 26   |
| Average Queue (ft)    | 27  | 29  | 0   | 2    |
| 95th Queue (ft)       | 53  | 57  | 5   | 15   |
| Link Distance (ft)    | 459 | 423 | 565 | 1247 |
| Upstream Blk Time (%) |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |
| Storage Bay Dist (ft) |     |     |     |      |
| Storage Blk Time (%)  |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |

## Intersection: 31: Ashland St &amp; Mountain Ave, All Intervals

| Movement              | EB  | WB  | NB  | SB   |
|-----------------------|-----|-----|-----|------|
| Directions Served     | LTR | LTR | LTR | LTR  |
| Maximum Queue (ft)    | 47  | 67  | 6   | 32   |
| Average Queue (ft)    | 28  | 32  | 0   | 2    |
| 95th Queue (ft)       | 53  | 59  | 4   | 18   |
| Link Distance (ft)    | 459 | 423 | 565 | 1247 |
| Upstream Blk Time (%) |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |
| Storage Bay Dist (ft) |     |     |     |      |
| Storage Blk Time (%)  |     |     |     |      |
| Queuing Penalty (veh) |     |     |     |      |

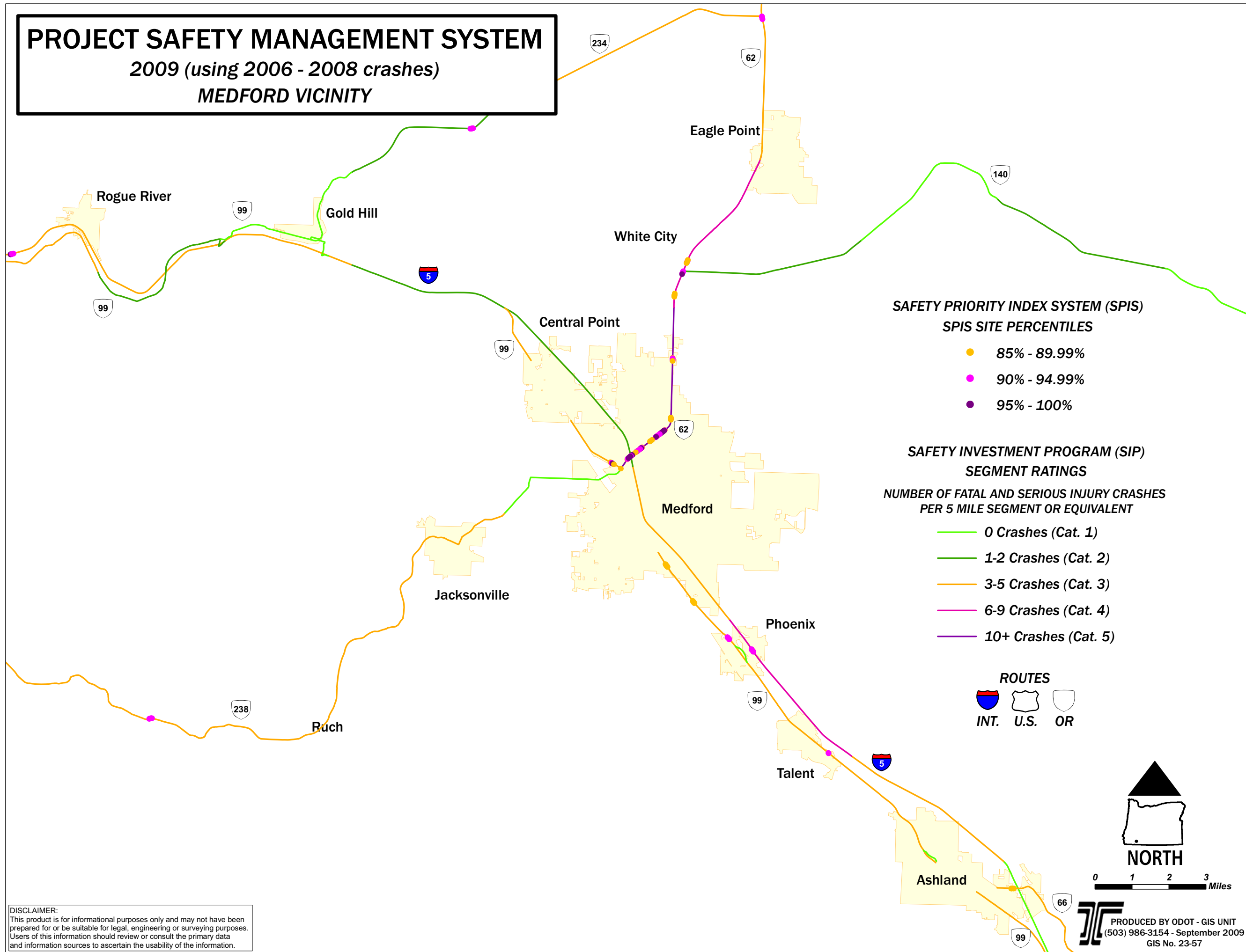
## **Appendix E – ODOT SPIS City Map for Ashland and Surrounding Cities**

*Appendix E* contains ODOT SPIS City Map for Ashland, Medford, Talent, Phoenix, Jacksonville, Central Point, Eagle Point, White City, Gold Hill, Rogue River, and Ruch. The map was obtained from ODOT at [http://www.oregon.gov/ODOT/TD/TDATA/gis/odotmaps.shtml#SPIS SIP Maps](http://www.oregon.gov/ODOT/TD/TDATA/gis/odotmaps.shtml#SPIS_SIP_Maps).



# PROJECT SAFETY MANAGEMENT SYSTEM

2009 (using 2006 - 2008 crashes)  
MEDFORD VICINITY



**DISCLAIMER:**  
This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

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## **Appendix F –Crash Rates**

*Appendix F* contains the crash rate calculations and critical crash rate spreadsheet used in the intersection crash analysis.

DRAFT

# CRASH ANALYSIS

**Project Name:** Ashland TSP  
**Project Number:** 10633  
**Analyst:** EMF  
**Date:** 10/05/2010  
**Filename:** H:\projfile\10633 - City of Ashland TSP Update\excel

## KITTELSON & ASSOCIATES, INC.

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### ROADWAY SEGMENT ANALYSIS

|                             |                                                            |                         |
|-----------------------------|------------------------------------------------------------|-------------------------|
| Street Name:                | <b>OR 99</b>                                               |                         |
| From:                       | Valley View Road                                           | Mile Post               |
| To:                         | Helman Street                                              | Mile Post               |
| Average Daily Traffic =     | 17,500                                                     |                         |
| Length of Segment (miles) = | 1.14                                                       |                         |
| Number of Crashes =         | 50                                                         |                         |
| Time Period (years) =       | 12                                                         |                         |
| Crash Rate =                | $\frac{50}{17,500 \times 1.14 \times 12} \times 1,000,000$ | <b>0.57 Crashes/MVM</b> |

|                             |                                                           |                         |
|-----------------------------|-----------------------------------------------------------|-------------------------|
| Street Name:                | <b>OR 99 SB</b>                                           |                         |
| From:                       | Helman Street                                             | Mile Post               |
| To:                         | E Main Street                                             | Mile Post               |
| Average Daily Traffic =     | 9,500                                                     |                         |
| Length of Segment (miles) = | 0.53                                                      |                         |
| Number of Crashes =         | 55                                                        |                         |
| Time Period (years) =       | 12                                                        |                         |
| Crash Rate =                | $\frac{55}{9,500 \times 0.53 \times 12} \times 1,000,000$ | <b>2.49 Crashes/MVM</b> |



|                             |                                                                                       |           |  |
|-----------------------------|---------------------------------------------------------------------------------------|-----------|--|
| Street Name:                | <b>OR 99 NB</b>                                                                       |           |  |
| From:                       | Helman Street                                                                         | Mile Post |  |
| To:                         | E Main Street                                                                         | Mile Post |  |
| Average Daily Traffic =     | 11,000                                                                                |           |  |
| Length of Segment (miles) = | 0.73                                                                                  |           |  |
| Number of Crashes =         | 45                                                                                    |           |  |
| Time Period (years) =       | 12                                                                                    |           |  |
| Crash Rate =                | $\frac{45}{11,000 \times 0.73 \times 12} \times 1,000,000 = 1.28 \text{ Crashes/MVM}$ |           |  |

|                             |                                                                                       |           |  |
|-----------------------------|---------------------------------------------------------------------------------------|-----------|--|
| Street Name:                | <b>OR 99</b>                                                                          |           |  |
| From:                       | E Main Street                                                                         | Mile Post |  |
| To:                         | Walker Avenue                                                                         | Mile Post |  |
| Average Daily Traffic =     | 16,500                                                                                |           |  |
| Length of Segment (miles) = | 1.28                                                                                  |           |  |
| Number of Crashes =         | 77                                                                                    |           |  |
| Time Period (years) =       | 12                                                                                    |           |  |
| Crash Rate =                | $\frac{77}{16,500 \times 1.28 \times 12} \times 1,000,000 = 0.83 \text{ Crashes/MVM}$ |           |  |

|                             |                                                                                      |           |  |
|-----------------------------|--------------------------------------------------------------------------------------|-----------|--|
| Street Name:                | <b>OR 99</b>                                                                         |           |  |
| From:                       | Walker Avenue                                                                        | Mile Post |  |
| To:                         | UGB Southern Boundary                                                                | Mile Post |  |
| Average Daily Traffic =     | 6,000                                                                                |           |  |
| Length of Segment (miles) = | 1.78                                                                                 |           |  |
| Number of Crashes =         | 33                                                                                   |           |  |
| Time Period (years) =       | 12                                                                                   |           |  |
| Crash Rate =                | $\frac{33}{6,000 \times 1.78 \times 12} \times 1,000,000 = 0.71 \text{ Crashes/MVM}$ |           |  |

|                             |                                               |           |  |                         |
|-----------------------------|-----------------------------------------------|-----------|--|-------------------------|
| Street Name:                | <b>E Main Street</b>                          |           |  |                         |
| From:                       | OR 99                                         | Mile Post |  |                         |
| To:                         | Walker Avenue                                 | Mile Post |  |                         |
| Average Daily Traffic =     |                                               | 8,000     |  |                         |
| Length of Segment (miles) = |                                               | 1.11      |  |                         |
| Number of Crashes =         |                                               | 11        |  |                         |
| Time Period (years) =       |                                               | 12        |  |                         |
| Crash Rate =                | $\frac{11}{8,000 \times 12} \times 1,000,000$ |           |  | <b>0.28 Crashes/MVM</b> |

|                             |                                              |           |  |                         |
|-----------------------------|----------------------------------------------|-----------|--|-------------------------|
| Street Name:                | <b>E Main Street</b>                         |           |  |                         |
| From:                       | Walker Avenue                                | Mile Post |  |                         |
| To:                         | OR 66                                        | Mile Post |  |                         |
| Average Daily Traffic =     |                                              | 3,500     |  |                         |
| Length of Segment (miles) = |                                              | 1.78      |  |                         |
| Number of Crashes =         |                                              | 8         |  |                         |
| Time Period (years) =       |                                              | 12        |  |                         |
| Crash Rate =                | $\frac{8}{3,500 \times 12} \times 1,000,000$ |           |  | <b>0.29 Crashes/MVM</b> |

|                             |                                                |           |  |                         |
|-----------------------------|------------------------------------------------|-----------|--|-------------------------|
| Street Name:                | <b>OR 66</b>                                   |           |  |                         |
| From:                       | OR 99                                          | Mile Post |  |                         |
| To:                         | Tolman Creek Road                              | Mile Post |  |                         |
| Average Daily Traffic =     |                                                | 12,000    |  |                         |
| Length of Segment (miles) = |                                                | 1.04      |  |                         |
| Number of Crashes =         |                                                | 47        |  |                         |
| Time Period (years) =       |                                                | 12        |  |                         |
| Crash Rate =                | $\frac{47}{12,000 \times 12} \times 1,000,000$ |           |  | <b>0.86 Crashes/MVM</b> |

|                             |                                                 |           |                         |
|-----------------------------|-------------------------------------------------|-----------|-------------------------|
| Street Name:                | <b>OR 66</b>                                    |           |                         |
| From:                       | Tolman Creek Road                               | Mile Post |                         |
| To:                         | E Main Street                                   | Mile Post |                         |
| Average Daily Traffic =     | 14,000                                          |           |                         |
| Length of Segment (miles) = | 0.67                                            |           |                         |
| Number of Crashes =         | 41                                              |           |                         |
| Time Period (years) =       | 12                                              |           |                         |
| Crash Rate =                | $\frac{41}{14,000 \times 365} \times 1,000,000$ |           | <b>1.00 Crashes/MVM</b> |

|                             |                                                |           |                         |
|-----------------------------|------------------------------------------------|-----------|-------------------------|
| Street Name:                | <b>Mountain Avenue</b>                         |           |                         |
| From:                       | Hersey Street                                  | Mile Post |                         |
| To:                         | Ashland Street                                 | Mile Post |                         |
| Average Daily Traffic =     | 6,000                                          |           |                         |
| Length of Segment (miles) = | 1.23                                           |           |                         |
| Number of Crashes =         | 16                                             |           |                         |
| Time Period (years) =       | 12                                             |           |                         |
| Crash Rate =                | $\frac{16}{6,000 \times 365} \times 1,000,000$ |           | <b>0.49 Crashes/MVM</b> |

|                             |                                                |           |                         |
|-----------------------------|------------------------------------------------|-----------|-------------------------|
| Street Name:                | <b>Walker Avenue</b>                           |           |                         |
| From:                       | E Main Street                                  | Mile Post |                         |
| To:                         | Peachey Road                                   | Mile Post |                         |
| Average Daily Traffic =     | 3,100                                          |           |                         |
| Length of Segment (miles) = | 1.13                                           |           |                         |
| Number of Crashes =         | 34                                             |           |                         |
| Time Period (years) =       | 12                                             |           |                         |
| Crash Rate =                | $\frac{34}{3,100 \times 365} \times 1,000,000$ |           | <b>2.22 Crashes/MVM</b> |

# CRASH ANALYSIS

**Project Name:** Ashland TSP  
**Project Number:** 10633  
**Analyst:** EMF  
**Date:** 10/05/2010  
**Filename:** H:\projfile\10633 - City of Ashland TSP Update\excell

## KITTELSON & ASSOCIATES, INC.

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 Fax: (503) 273-8169

### INTERSECTION ANALYSIS

|                                  |                                                           |           |                         |
|----------------------------------|-----------------------------------------------------------|-----------|-------------------------|
| Intersection:                    | <b>Mountain Avenue/Hersey Street</b>                      | Mile Post |                         |
| Vehicles Entering Intersection = | 627                                                       |           |                         |
| Number of Crashes =              | 1                                                         |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{1}{627} \times \frac{1,000,000}{365} \times 10$    |           | <b>0.44 Crashes/MEV</b> |
| Intersection:                    | <b>Mountain Avenue/Iowa Street</b>                        | Mile Post |                         |
| Vehicles Entering Intersection = | 404                                                       |           |                         |
| Number of Crashes =              | 1                                                         |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{1}{404} \times \frac{1,000,000}{365} \times 10$    |           | <b>0.68 Crashes/MEV</b> |
| Intersection:                    | <b>Mountain Avenue/Main Street</b>                        | Mile Post |                         |
| Vehicles Entering Intersection = | 1,246                                                     |           |                         |
| Number of Crashes =              | 10                                                        |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{10}{1,246} \times \frac{1,000,000}{365} \times 10$ |           | <b>2.20 Crashes/MEV</b> |
| Intersection:                    | <b>Nevada Street/Oak Street</b>                           | Mile Post |                         |
| Vehicles Entering Intersection = | 391                                                       |           |                         |
| Number of Crashes =              | 3                                                         |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{3}{391} \times \frac{1,000,000}{365} \times 10$    |           | <b>2.10 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/Dead Indian Memorial Road</b>                    | Mile Post |                         |
| Vehicles Entering Intersection = | 624                                                       |           |                         |
| Number of Crashes =              | 1                                                         |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{1}{624} \times \frac{1,000,000}{365} \times 10$    |           | <b>0.44 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/I-5 Exit 14 NB Ramps</b>                         | Mile Post |                         |
| Vehicles Entering Intersection = | 1,274                                                     |           |                         |
| Number of Crashes =              | 8                                                         |           |                         |
| Time Period =                    | 10                                                        |           |                         |
| Crash Rate =                     | $\frac{8}{1,274} \times \frac{1,000,000}{365} \times 10$  |           | <b>1.72 Crashes/MEV</b> |

|                                  |                                                      |           |                         |
|----------------------------------|------------------------------------------------------|-----------|-------------------------|
| Intersection:                    | <b>OR 66/I-5 Exit 14 SB Ramps</b>                    | Mile Post |                         |
| Vehicles Entering Intersection = | 1,500                                                |           |                         |
| Number of Crashes =              | 15                                                   |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{15}{1,500} \times \frac{1,000,000}{365} = 10$ |           | <b>2.74 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/Main Street/Oak Knoll Drive</b>             | Mile Post |                         |
| Vehicles Entering Intersection = | 775                                                  |           |                         |
| Number of Crashes =              | 14                                                   |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{14}{775} \times \frac{1,000,000}{365} = 10$   |           | <b>4.95 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/OR 99</b>                                   | Mile Post |                         |
| Vehicles Entering Intersection = | 1,689                                                |           |                         |
| Number of Crashes =              | 14                                                   |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{14}{1,689} \times \frac{1,000,000}{365} = 10$ |           | <b>2.27 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/Tolman Creek Road</b>                       | Mile Post |                         |
| Vehicles Entering Intersection = | 1,919                                                |           |                         |
| Number of Crashes =              | 20                                                   |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{20}{1,919} \times \frac{1,000,000}{365} = 10$ |           | <b>2.86 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/Walker Street</b>                           | Mile Post |                         |
| Vehicles Entering Intersection = | 1,499                                                |           |                         |
| Number of Crashes =              | 8                                                    |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{8}{1,499} \times \frac{1,000,000}{365} = 10$  |           | <b>1.46 Crashes/MEV</b> |
| Intersection:                    | <b>OR 66/Washington Street</b>                       | Mile Post |                         |
| Vehicles Entering Intersection = | 1,449                                                |           |                         |
| Number of Crashes =              | 5                                                    |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{5}{1,449} \times \frac{1,000,000}{365} = 10$  |           | <b>0.95 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Helman Street</b>                           | Mile Post |                         |
| Vehicles Entering Intersection = | 1,556                                                |           |                         |
| Number of Crashes =              | 5                                                    |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{5}{1,556} \times \frac{1,000,000}{365} = 10$  |           | <b>0.88 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Hersey Street/Wimer Street</b>              | Mile Post |                         |
| Vehicles Entering Intersection = | 1,718                                                |           |                         |
| Number of Crashes =              | 42                                                   |           |                         |
| Time Period =                    | 10                                                   |           |                         |
| Crash Rate =                     | $\frac{42}{1,718} \times \frac{1,000,000}{365} = 10$ |           | <b>6.70 Crashes/MEV</b> |

|                                  |                                                                 |           |                         |
|----------------------------------|-----------------------------------------------------------------|-----------|-------------------------|
| Intersection:                    | <b>OR 99/Maple Street</b>                                       | Mile Post |                         |
| Vehicles Entering Intersection = | 1,761                                                           |           |                         |
| Number of Crashes =              | 4                                                               |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{4}{1,761} \times \frac{1,000,000}{365} = \frac{10}{10}$  |           | <b>0.62 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Mistletoe</b>                                          | Mile Post |                         |
| Vehicles Entering Intersection = | 342                                                             |           |                         |
| Number of Crashes =              | 3                                                               |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{3}{342} \times \frac{1,000,000}{365} = \frac{10}{10}$    |           | <b>2.40 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Mountain Ave</b>                                       | Mile Post |                         |
| Vehicles Entering Intersection = | 1,930                                                           |           |                         |
| Number of Crashes =              | 16                                                              |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{16}{1,930} \times \frac{1,000,000}{365} = \frac{10}{10}$ |           | <b>2.27 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Tolman Creek</b>                                       | Mile Post |                         |
| Vehicles Entering Intersection = | 692                                                             |           |                         |
| Number of Crashes =              | 9                                                               |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{9}{692} \times \frac{1,000,000}{365} = \frac{10}{10}$    |           | <b>3.56 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Valley View Rd</b>                                     | Mile Post |                         |
| Vehicles Entering Intersection = | 1,839                                                           |           |                         |
| Number of Crashes =              | 13                                                              |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{13}{1,839} \times \frac{1,000,000}{365} = \frac{10}{10}$ |           | <b>1.94 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99/Walker Street</b>                                      | Mile Post |                         |
| Vehicles Entering Intersection = | 1,090                                                           |           |                         |
| Number of Crashes =              | 9                                                               |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{9}{1,090} \times \frac{1,000,000}{365} = \frac{10}{10}$  |           | <b>2.26 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99 NB (Lithia Way)/E Main Street</b>                      | Mile Post |                         |
| Vehicles Entering Intersection = | 1,225                                                           |           |                         |
| Number of Crashes =              | 16                                                              |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{16}{1,225} \times \frac{1,000,000}{365} = \frac{10}{10}$ |           | <b>3.58 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99 NB (Lithia Way)/Oak Street</b>                         | Mile Post |                         |
| Vehicles Entering Intersection = | 1,193                                                           |           |                         |
| Number of Crashes =              | 14                                                              |           |                         |
| Time Period =                    | 10                                                              |           |                         |
| Crash Rate =                     | $\frac{14}{1,193} \times \frac{1,000,000}{365} = \frac{10}{10}$ |           | <b>3.22 Crashes/MEV</b> |

|                                  |                                                        |           |                         |
|----------------------------------|--------------------------------------------------------|-----------|-------------------------|
| Intersection:                    | <b>OR 99 SB/E Main Street</b>                          | Mile Post |                         |
| Vehicles Entering Intersection = | 996                                                    |           |                         |
| Number of Crashes =              | 8                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{8}{996} \times \frac{1,000,000}{365} = 2.20$    | 1,000,000 | <b>2.20 Crashes/MEV</b> |
| Intersection:                    | <b>OR 99 SB/Oak Street</b>                             | Mile Post |                         |
| Vehicles Entering Intersection = | 1,095                                                  |           |                         |
| Number of Crashes =              | 25                                                     |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{25}{1,095} \times \frac{1,000,000}{365} = 6.26$ | 1,000,000 | <b>6.26 Crashes/MEV</b> |
| Intersection:                    | <b>Tolman Creek/Mistletoe Road</b>                     | Mile Post |                         |
| Vehicles Entering Intersection = | 553                                                    |           |                         |
| Number of Crashes =              | 0                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{0}{553} \times \frac{1,000,000}{365} = 0.00$    | 1,000,000 | <b>0.00 Crashes/MEV</b> |
| Intersection:                    | <b>Walker Street/Iowa Street</b>                       | Mile Post |                         |
| Vehicles Entering Intersection = | 498                                                    |           |                         |
| Number of Crashes =              | 2                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{2}{498} \times \frac{1,000,000}{365} = 1.10$    | 1,000,000 | <b>1.10 Crashes/MEV</b> |
| Intersection:                    | <b>Granite Street/Winburn Way/Nutley S</b>             | Mile Post |                         |
| Vehicles Entering Intersection = | 122                                                    |           |                         |
| Number of Crashes =              | 1                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{1}{122} \times \frac{1,000,000}{365} = 2.25$    | 1,000,000 | <b>2.25 Crashes/MEV</b> |
| Intersection:                    | <b>Hersey Street/Oak Street</b>                        | Mile Post |                         |
| Vehicles Entering Intersection = | 705                                                    |           |                         |
| Number of Crashes =              | 4                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{4}{705} \times \frac{1,000,000}{365} = 1.55$    | 1,000,000 | <b>1.55 Crashes/MEV</b> |
| Intersection:                    | <b>E Main Street/Walker Avenue</b>                     | Mile Post |                         |
| Vehicles Entering Intersection = | 937                                                    |           |                         |
| Number of Crashes =              | 0                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{0}{937} \times \frac{1,000,000}{365} = 0.00$    | 1,000,000 | <b>0.00 Crashes/MEV</b> |
| Intersection:                    | <b>Mountain Avenue/Ashland Street</b>                  | Mile Post |                         |
| Vehicles Entering Intersection = | 269                                                    |           |                         |
| Number of Crashes =              | 1                                                      |           |                         |
| Time Period =                    | 10                                                     |           |                         |
| Crash Rate =                     | $\frac{1}{269} \times \frac{1,000,000}{365} = 1.02$    | 1,000,000 | <b>1.02 Crashes/MEV</b> |

# INTERSECTION CRASH RATES CALCULATOR

| INT                                      | Peak Hour | Daily Vol. | 10-Year TEV | 10-Year MEV | Crash Total | Crash/Year | Intersection Type | Crash Rate | Critical Rate | Over Critical |
|------------------------------------------|-----------|------------|-------------|-------------|-------------|------------|-------------------|------------|---------------|---------------|
| Granite Street/Winburn Way/Nutley Street | 122       | 1220       | 4453000     | 4.5         | 1           | 0.1        | 2                 | 0.22       | 0.41          | 0             |
| Hersey Street/Oak Street                 | 705       | 7050       | 25732500    | 25.7        | 4           | 0.4        | 2                 | 0.16       | 0.25          | 0             |
| E Main Street/Walker Avenue              | 937       | 9370       | 34200500    | 34.2        | 0           | 0.0        | 3                 | 0.00       | 0.23          | 0             |
| Mountain Avenue/Ashland Street           | 269       | 2690       | 9818500     | 9.8         | 1           | 0.1        | 2                 | 0.10       | 0.32          | 0             |
| Mountain Avenue/Hersey Street            | 627       | 6270       | 22885500    | 22.9        | 1           | 0.1        | 2                 | 0.04       | 0.25          | 0             |
| Mountain Avenue/Iowa Street              | 404       | 4040       | 14746000    | 14.7        | 1           | 0.1        | 2                 | 0.07       | 0.29          | 0             |
| Mountain Avenue/Main Street              | 1,246     | 12460      | 45479000    | 45.5        | 10          | 1.0        | 1                 | 0.22       | 0.29          | 0             |
| Nevada Street/Oak Street                 | 391       | 3910       | 14271500    | 14.3        | 3           | 0.3        | 2                 | 0.21       | 0.29          | 0             |
| OR 66/Dead Indian Memorial Road          | 624       | 6240       | 22776000    | 22.8        | 1           | 0.1        | 3                 | 0.04       | 0.45          | 0             |
| OR 66/I-5 Exit 14 NB Ramps               | 1,274     | 12740      | 46501000    | 46.5        | 8           | 0.8        | 3                 | 0.17       | 0.40          | 0             |
| OR 66/I-5 Exit 14 SB Ramps               | 1,500     | 15000      | 54750000    | 54.8        | 15          | 1.5        | 3                 | 0.27       | 0.39          | 0             |
| OR 66/Main Street/Oak Knoll Drive        | 775       | 7750       | 28287500    | 28.3        | 14          | 1.4        | 3                 | 0.49       | 0.44          | 1             |
| OR 66/OR 99                              | 1,689     | 16890      | 61648500    | 61.6        | 14          | 1.4        | 1                 | 0.23       | 0.28          | 0             |
| OR 66/Tolman Creek Road                  | 1,919     | 19190      | 70043500    | 70.0        | 20          | 2.0        | 1                 | 0.29       | 0.27          | 1             |
| OR 66/Walker Street                      | 1,499     | 14990      | 54713500    | 54.7        | 8           | 0.8        | 1                 | 0.15       | 0.28          | 0             |
| OR 66/Washington Street                  | 1,449     | 14490      | 52888500    | 52.9        | 5           | 0.5        | 3                 | 0.09       | 0.39          | 0             |
| OR 99/Helman Street                      | 1,556     | 15560      | 56794000    | 56.8        | 5           | 0.5        | 1                 | 0.09       | 0.28          | 0             |
| OR 99/Hersey Street/Wimer Street         | 1,718     | 17180      | 62707000    | 62.7        | 42          | 4.2        | 3                 | 0.67       | 0.38          | 1             |
| OR 99/Maple Street                       | 1,761     | 17610      | 64276500    | 64.3        | 4           | 0.4        | 1                 | 0.06       | 0.28          | 0             |
| OR 99/Mistletoe                          | 342       | 3420       | 12483000    | 12.5        | 3           | 0.3        | 3                 | 0.24       | 0.52          | 0             |
| OR 99/Mountain Ave                       | 1,930     | 19300      | 70445000    | 70.4        | 16          | 1.6        | 1                 | 0.23       | 0.27          | 0             |
| OR 99/Tolman Creek                       | 692       | 6920       | 25258000    | 25.3        | 9           | 0.9        | 3                 | 0.36       | 0.33          | 1             |
| OR 99/Valley View Rd                     | 1,839     | 18390      | 67123500    | 67.1        | 13          | 1.3        | 1                 | 0.19       | 0.27          | 0             |
| OR 99/Walker Street                      | 1,090     | 10900      | 39785000    | 39.8        | 9           | 0.9        | 1                 | 0.23       | 0.30          | 0             |
| OR 99 NB (Lithia Way)/E Main Street      | 1,225     | 12250      | 44712500    | 44.7        | 16          | 1.6        | 1                 | 0.36       | 0.29          | 1             |
| OR 99 NB (Lithia Way)/Oak Street         | 1,193     | 11930      | 43544500    | 43.5        | 14          | 1.4        | 3                 | 0.32       | 0.40          | 0             |
| OR 99 SB/E Main Street                   | 996       | 9960       | 36354000    | 36.4        | 8           | 0.8        | 1                 | 0.22       | 0.31          | 0             |
| OR 99 SB/Oak Street                      | 1,095     | 10950      | 39967500    | 40.0        | 25          | 2.5        | 3                 | 0.63       | 0.41          | 1             |
| Tolman Creek/Mistletoe Road              | 553       | 5530       | 20184500    | 20.2        | 0           | 0.0        | 3                 | 0.00       | 0.47          | 0             |
| Walker Street/Iowa Street                | 498       | 4980       | 18177000    | 18.2        | 2           | 0.2        | 2                 | 0.11       | 0.27          | 0             |

## NOTES:

Anything that is not colored is an entered value (from data/research). Colored cells have formulas to perform calculations.

## Calculations:

Daily Volumes: Peak Hour x 1.10

10-Year TEV: Daily Volume x 365 x 10

10-Year MEV: 10-Year Volume x 1,000,000

Crash/Year: Crash Total / 10

Crash Rate: Crash Total / 10-Year MEV

Critical Rate: Average Crash Rate Per Intersection Type x (1.645 x (Average Crash Rate Per Intersection Type x 1,000,000 / 10-Year TEV)^.05) + (1 / 2 x 10-Year TEV)

Signalized

Four-way stop

Two-way stop

|   |      |
|---|------|
| 1 | 0.19 |
| 2 | 0.13 |
| 3 | 0.27 |



## **Appendix G – Crash Data**

*Appendix G* contains the crash data obtained from ODOT for the study intersections within the City of Ashland.

DRAFT

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Ashland Street @ Siskiyou Boulevard  
January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2009 TOTAL           | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2006           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 1            |
| 2004 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 1            |
| YEAR: 2003           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 1            |
| REAR-END             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| 2003 TOTAL           | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 0           | 2           | 0   | 2    | 2                 | 0                            | 1            |
| YEAR: 2002           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL           | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2001           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| REAR-END             | 0                | 3                        | 0                          | 3                | 0                | 4                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| 2001 TOTAL           | 0                | 3                        | 1                          | 4                | 0                | 4                 | 0      | 4           | 0           | 3   | 1    | 4                 | 0                            | 0            |
| YEAR: 2000           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2000 TOTAL           | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| FINAL TOTAL          | 0                | 11                       | 3                          | 14               | 0                | 14                | 0      | 12          | 2           | 9   | 5    | 14                | 0                            | 2            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Ashland Street @ Siskiyou Boulevard  
January 1, 2000 through December 31, 2009

[illegible]

Ashland Street @ Siskiyou Boulevard  
January 1, 2000 through December 31, 2009

| SER#   | S D       |      |            |   |   |   |            | RD# FC        |              |          |          | INT-TYP       |            |       |           | SPCL USE |         |  |     |      |        |       |     |     |       |  |      |       |       |
|--------|-----------|------|------------|---|---|---|------------|---------------|--------------|----------|----------|---------------|------------|-------|-----------|----------|---------|--|-----|------|--------|-------|-----|-----|-------|--|------|-------|-------|
|        | P         | R    | S          | W |   |   |            | COMPNT        | CONN #       |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        | E A U C O | DATE | COUNTY     |   |   |   |            |               |              | RD CHAR  | (MEDIAN) | INT-REL       | OFFRD      | WTHR  | CRASH TYP | TLRL QTY | MOVE    |  | A S |      |        |       |     |     |       |  |      |       |       |
|        | E L G H R | DAY  | CITY       |   |   |   |            | MLG TYP       | FIRST STREET | DIRECT   | LEGS     | TRAF-         | RNDBT      | SURF  | COLL TYP  | OWNER    | FROM    |  | P#  | INJ  | G E    | LICNS | PED |     |       |  |      |       |       |
| INVEST | D C S L K | TIME | URBAN AREA |   |   |   | MILEPNT    | SECOND STREET | LOCTN        | (#LANES) | CNTL     | DRVWY         | LIGHT      | SVRTY | V#        | VEH TYPE | TO      |  | P#  | TYPE | SVRVTY | X     | RES | LOC | ERROR |  | ACTN | EVENT | CAUSE |
| 00711  | N         | N    | N          | N | N | N | 03/28/2000 | JACKSON       |              | 1        | 14       |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      | 08    |       |
| NONE   |           |      |            |   |   |   | Tue        | ASHLAND       |              | 0        | 0        |               | ASHLAND ST |       | INTER     | CROSS    | N       |  | N   | CLR  | BIKE   |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   | 5P         | ASHLAND UA    |              | 20.63    |          | SISKIYOU BLVD |            |       | W         |          | UNKNOWN |  | N   | DRY  | TURN   |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              | 05       |          | 0             |            |       |           |          |         |  | N   | DUSK | INJ    |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       |           |          |         |  |     |      |        |       |     |     |       |  |      |       |       |
|        |           |      |            |   |   |   |            |               |              |          |          |               |            |       | </        |          |         |  |     |      |        |       |     |     |       |  |      |       |       |

Ashland Street @ Siskiyou Boulevard  
January 1, 2000 through December 31, 2009

| SER#   | S D P R S W E A U C O E L G H R C L K |       |              |               | DATE          | CLASS | CITY STREET | RD CHAR    | INT-TYP | INT-REL | OFF-RD | WTHR    | CRASH TYP | SPCL USE | MOVE      | A S    | E X | LICNS | PED  | ACTN | EVENT       | CAUSE   |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|--------|---------------------------------------|-------|--------------|---------------|---------------|-------|-------------|------------|---------|---------|--------|---------|-----------|----------|-----------|--------|-----|-------|------|------|-------------|---------|--------|------|------------|-------|------|----------|-------|------|----|------|-----|-----|-----|-----|-------|
|        | INVEST                                | DIST  | FIRST STREET | SECOND STREET |               |       |             |            |         |         |        |         |           |          |           |        |     |       |      |      |             |         | DIRECT | LEGS | TRAF-CONTL | RDNBT | SURF | COLL TYP | OWNER | FROM | P# | TYPE | INJ | G E | RES | LOC | ERROR |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        |     |       |      |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 00453  | N N N                                 |       | 03/19/2004   | 14            | ASHLAND ST    | INTER | 3-LEG       | N          |         | Y       | CLR    | FIX     | OBJ       | 01       | NONE      | STRGHT |     |       |      |      |             | 044     | 10     |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| NO RPT |                                       |       | Fri 8P       | 0             | SISKIYOU BLVD | SE 05 | 1           | MEDIAN BAR |         | N       | DRY    | FIX     | INJ       |          | PRVTE     | NW SE  |     |       |      |      | 000         | 044     | 00     |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DLIT   |         |           |          | PSNGR CAR |        | 01  | DRVR  | NONE | 72 F | OTH-Y N-RES | 080,081 | 000    | 10   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJB | 00 M |             | 000     | 000    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 03526  | Y N N                                 | Y     | 12/24/2003   | 14            | ASHLAND ST    | INTER | 3-LEG       | N          |         | Y       | RAIN   | FIX     | OBJ       | 01       | NONE      | STRGHT |     |       |      |      | 044         | 01      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| CITY   |                                       |       | Wed 8P       | 0             | SISKIYOU BLVD | SE 06 | 0           | UNKNOWN    |         | N       | WET    | FIX     | INJ       |          | PRVTE     | SE NW  |     |       |      |      | 007         | 044     | 00     |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DLIT   |         |           |          | PSNGR CAR |        | 01  | DRVR  | NONE | 55 M | OR-Y OR<25  | 047,081 | 017    | 01   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJB | 76 F |             | 000     | 032    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 01  | PSNG  | INJB | 50 F |             | 000     | 000    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJB |      |             | 000     | 000    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 00985  | N N N                                 |       | 06/08/2009   | 14            | ASHLAND ST    | INTER | 3-LEG       | N          |         | N       | CLR    | S-1STOP |           | 01       | NONE      | STRGHT |     |       |      |      |             | 07      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| NONE   |                                       |       | Mon 5P       | 0             | SISKIYOU BLVD | SE 06 | 0           | TRF SIGNAL |         | N       | DRY    | REAR    | PDO       |          | PRVTE     | SE NW  |     |       |      |      | 000         | 00      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DAY    |         |           |          | PSNGR CAR |        | 01  | DRVR  | NONE | 23 M | OR-Y OR<25  | 026     | 000    | 07   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJB |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 01  | DRVR  | NONE | 52 M | OR-Y OR<25  | 000     | 011    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        |     |       |      |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 00251  | N N N                                 | Y     | 01/22/2003   | 12            | ASHLAND ST    | INTER | 3-LEG       | N          |         | N       | RAIN   | S-1STOP |           | 01       | NONE      | STRGHT |     |       |      |      | 013         | 07      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| CITY   |                                       |       | Wed 4P       | 0             | SISKIYOU BLVD | NW 05 | 0           | NONE       |         | N       | WET    | REAR    | INJ       |          | PRVTE     | SE NW  |     |       |      |      | 000         | 00      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DUSK   |         |           |          | PSNGR CAR |        | 01  | DRVR  | INJC | 49 F | OR-Y OR<25  | 043     | 000    | 07   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJC |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 01  | DRVR  | NONE | 24 F | OR-Y OR<25  | 000     | 011    | 013  |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 03  | PSNG  | INJC |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 01  | DRVR  | NONE | 57 F | OTH-Y N-RES | 000     | 011    | 00   |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 03435  | Y N N                                 | N N N | 12/03/2002   | 14            | ASHLAND ST    | INTER | 3-LEG       | N          |         | N       | CLR    | S-1STOP |           | 01       | NONE      | STRGHT |     |       |      |      |             | 01      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| NONE   |                                       |       | Tue 3P       | 0             | SISKIYOU BLVD | NW 06 | 0           | TRF SIGNAL |         | N       | DRY    | REAR    | INJ       |          | PRVTE     | NW SE  |     |       |      |      | 000         | 01      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DAY    |         |           |          | PSNGR CAR |        | 01  | DRVR  | NONE | 00 U | UNK UNK     | 026     | 038    | 01   |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | INJC |      |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 01  | DRVR  | INJC | 24 F | OR-Y OR<25  | 000     | 011    |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         |         |        |         |           |          |           |        | 02  | PSNG  | NO<5 | 01 M |             |         |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| 01192  | N N N                                 |       | 07/03/2009   | 14            | ASHLAND ST    | INTER | 3-LEG       | N          |         | N       | CLR    | S-1STOP |           | 01       | NONE      | STRGHT |     |       |      |      | 013         | 07      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
| NONE   |                                       |       | Fri 4P       | 0             | SISKIYOU BLVD | NW 06 | 0           | TRF SIGNAL |         | N       | DRY    | REAR    | INJ       |          | PRVTE     | NW SE  |     |       |      |      | 000         | 00      |        |      |            |       |      |          |       |      |    |      |     |     |     |     |       |
|        |                                       |       |              |               |               |       |             |            |         | N       | DAY    |         |           |          | PSNGR CAR |        | 01  | DRVR  | NONE | 32 M | OR-Y OR<25  | 026     | 000    | 07   |            |       |      |          |       |      |    |      |     |     |     |     |       |

Ashland Street @ Siskiyou Boulevard  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Granite Street @ Winburn Way / Nutley Street  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Granite Street @ Winburn Way / Nutley Street  
January 1, 2000 through December 31, 2009

| SER#       | P E L C | A G H R | U O DATE DAY      | CITY STREET             | RD CHAR           | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A S<br>G E LICNS<br>X RES | PED<br>LOC | ERROR   | ACTN       | EVENT | CAUSE          |
|------------|---------|---------|-------------------|-------------------------|-------------------|-----------------------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------|--------------------|----|--------------|--------------|---------------------------|------------|---------|------------|-------|----------------|
| 01459 CITY | N N N   |         | 07/01/2006 Sat 9P | GRANITE ST<br>NUTLEY ST | INTER<br>CN<br>03 | CROSS                                   | N<br>NONE                 | N<br>N                   | CLR<br>DRY<br>DLIT    | O-1TURN<br>TURN<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>E SW     |    |              |              | 42 F OR-Y<br>OR<25        |            | 004,028 | 000<br>000 |       | 02<br>00<br>02 |
|            |         |         |                   |                         |                   |                                         |                           |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E      |    |              |              | 51 F OR-Y<br>OR<25        |            | 000     | 000<br>000 |       | 00<br>00<br>00 |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Hersey Street @ Oak Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 1                        | 3                          | 4                | 0                | 1                 | 0      | 3           | 1           | 4   | 0    | 4                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

Hersey Street @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#            | S | D | P | R | S | W | E | A | U | C | O | DATE                     | CLASS   | CITY                | STREET        | RD CHAR           | INT-TYP    | INT-REL        | OFF-RD       | WTHR               | CRASH TYP               | SPCL USE                | MOVE                | A  | S    | PED       | ERROR | ACTN        | EVENT | CAUSE         |     |            |                   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---------|---------------------|---------------|-------------------|------------|----------------|--------------|--------------------|-------------------------|-------------------------|---------------------|----|------|-----------|-------|-------------|-------|---------------|-----|------------|-------------------|
| INVEST          | E | L | G | H | R |   | C | L | K |   |   | TIME                     | FROM    | FIRST STREET        | SECOND STREET | DIRECT LOCTN      | (#LANES)   | TRAF-CONTL     | RNDDBT DRVWY | SURF LIGHT         | COLL TYP SVRTY          | VEH TYPE                | FROM TO             | P# | TYPE | INJ SVRTY | G E   | LICNS X RES | LOC   |               |     |            |                   |
| 01602<br>NO RPT | N | N | N | N | N | N |   |   |   |   |   | 04/01/2002<br>Mon<br>2P  | 16<br>0 | HERSEY ST<br>OAK ST |               | INTER<br>CN<br>01 | CROSS<br>0 | N<br>STOP SIGN | N<br>N       | CLR<br>DRY<br>DAY  | ANGL-OTH<br>ANGL<br>PDO | 01<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>NE SW |    | 01   | DRVR      | NONE  | 40          | M     | OR-Y<br>OR<25 | 000 | 000        | 02                |
|                 |   |   |   |   |   |   |   |   |   |   |   |                          |         |                     |               |                   |            |                |              |                    |                         | 02<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>SE NW |    | 01   | DRVR      | NONE  | 71          | M     | OR-Y<br>OR<25 | 028 | 015        | 02                |
| 00656<br>CITY   | N | N | N |   |   |   |   |   |   |   |   | 03/26/2007<br>Mon<br>7A  | 17<br>0 | HERSEY ST<br>OAK ST |               | INTER<br>CN<br>01 | CROSS<br>0 | N<br>STOP SIGN | N<br>N       | CLR<br>DRY<br>DAY  | ANGL-OTH<br>ANGL<br>PDO | 01<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>NE SW |    | 01   | DRVR      | NONE  | 57          | F     | OR-Y<br>OR<25 | 021 | 000<br>000 | 03<br>00<br>03    |
|                 |   |   |   |   |   |   |   |   |   |   |   |                          |         |                     |               |                   |            |                |              |                    |                         | 02<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>SE NW |    | 01   | DRVR      | NONE  | 48          | F     | OR-Y<br>OR<25 | 000 | 000        | 00<br>00          |
| 00562<br>NONE   | N | N | N | N | N | N |   |   |   |   |   | 02/25/2002<br>Mon<br>7A  | 19<br>0 | HERSEY ST<br>OAK ST |               | INTER<br>CN<br>02 | CROSS<br>0 | N<br>STOP SIGN | N<br>N       | CLR<br>DRY<br>DAY  | ANGL-OTH<br>TURN<br>PDO | 01<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>S W   |    | 01   | DRVR      | NONE  | 36          | F     | OR-Y<br>OR<25 | 028 | 000        | 02<br>02          |
|                 |   |   |   |   |   |   |   |   |   |   |   |                          |         |                     |               |                   |            |                |              |                    |                         | 02<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>E W   |    | 01   | DRVR      | NONE  | 16          | M     | OR-Y<br>OR<25 | 000 | 000        |                   |
| 02657<br>CITY   | N | N | N |   |   |   |   |   |   |   |   | 12/27/2006<br>Wed<br>11A | 16<br>0 | HERSEY ST<br>OAK ST |               | INTER<br>CN<br>02 | CROSS<br>0 | N<br>STOP SIGN | N<br>N       | RAIN<br>WET<br>DAY | BIKE<br>TURN<br>INJ     | 01<br>NONE<br>PSNGR CAR | 0<br>PRVTE<br>SE SW |    | 01   | DRVR      | NONE  | 71          | F     | OR-Y<br>OR<25 | 000 | 000<br>000 | 03,32<br>00<br>00 |
|                 |   |   |   |   |   |   |   |   |   |   |   |                          |         |                     |               |                   |            |                |              |                    |                         |                         | STRGHT<br>SW NE     | 01 | BIKE | INJB      | 67    | M           |       | 021,052       | 034 | 03,32      |                   |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Lithia Way @ E. Main Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 2                        | 0                          | 2                | 0                | 5                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 3                        | 0                          | 3                | 0                | 6                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 4                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 6                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 4                        | 0                          | 4                | 0                | 5                 | 1      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 4                        | 0                          | 4                | 0                | 5                 | 1      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 12                       | 4                          | 16               | 0                | 20                | 1      | 15          | 1           | 13  | 3    | 16                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Lithia Way @ E. Main Street  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

Lithia Way @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#   | S<br>P<br>E<br>I | D<br>R<br>A<br>U<br>C<br>O<br>L<br>G<br>H<br>R<br>K | DATE       | CLASS | CITY STREET                   | RD CHAR         | INT-TYP                      | INT-REL        | OFF-RD         | WTHR          | CRASH TYP         | SPCL USE  | MOVE       | A  | S    | PED   | ERROR              | ACTN          | EVENT   | CAUSE   |
|--------|------------------|-----------------------------------------------------|------------|-------|-------------------------------|-----------------|------------------------------|----------------|----------------|---------------|-------------------|-----------|------------|----|------|-------|--------------------|---------------|---------|---------|
| INVEST | C                | L                                                   | TIME       | DIST  | FIRST STREET<br>SECOND STREET | DIRECT<br>LOCTN | (MEDIAN)<br>LEGS<br>(#LANES) | TRAF-<br>CONTL | RNDBT<br>DRVWY | SURF<br>LIGHT | COLL TYP<br>SVRTY | VEH TYPE  | FROM<br>TO | P# | TYPE | SVRTY | G<br>E<br>X<br>RES | LOC           |         |         |
| 01908  | N                | N                                                   | 07/03/2002 | 14    | LITHIA WAY                    | INTER           | CROSS                        | N              |                | N             | S-1STOP           | 01 NONE   | 0 STRGHT   |    |      |       |                    |               |         |         |
| NONE   |                  |                                                     | Wed<br>2P  | 0     | E MAIN ST                     | E               | 1                            | STOP SIGN      |                | N             | CLR               | PRVTE     | E W        | 01 | DRVR | NONE  | 26 M               | OR-Y<br>OR<25 | 026     | 000     |
|        |                  |                                                     |            |       |                               | 06              |                              |                |                | N             | REAR              | TRUCK     |            |    |      |       |                    |               |         | 10      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 NONE   | 0 STOP     |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | E W        | 01 | DRVR | INJC  | 60 F               | OR-Y<br>OR<25 | 000     | 011     |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               |         |         |
| 01969  | N                | N                                                   | 07/25/2002 | 14    | LITHIA WAY                    | INTER           | CROSS                        | N              |                | N             | S-1TURN           | 01 NONE   | 0 STRGHT   |    |      |       |                    |               |         |         |
| NONE   |                  |                                                     | Thu<br>8A  | 0     | E MAIN ST                     | E               | 1                            | STOP SIGN      |                | N             | CLR               | PRVTE     | E W        | 01 | DRVR | NONE  | 39 M               | OR-Y<br>OR<25 | 026     | 000     |
|        |                  |                                                     |            |       |                               | 06              |                              |                |                | N             | REAR              | PSNGR CAR |            |    |      |       |                    |               | 038     | 07      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 NONE   | 0 TURN-R   |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | E NW       | 01 | DRVR | INJC  | 50 M               | OR-Y<br>OR<25 | 000     | 011     |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               |         |         |
| 00730  | N                | N                                                   | 04/19/2008 | 16    | LITHIA WAY                    | INTER           | CROSS                        | N              |                | N             | S-1TURN           | 01 NONE   | STRGHT     |    |      |       |                    |               |         |         |
| CITY   |                  |                                                     | Sat<br>3P  | 0     | E MAIN ST                     | E               | 0                            | TRF SIGNAL     |                | N             | CLD               | PRVTE     | E W        | 01 | DRVR | NONE  | 55 F               | OR-Y<br>OR<25 | 026,052 | 000     |
|        |                  |                                                     |            |       |                               | 06              |                              |                |                | N             | REAR              | PSNGR CAR |            |    |      |       |                    |               | 000     | 32      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 NONE   | STOP       |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | E NW       | 01 | DRVR | INJC  | 47 F               | OR-Y<br>OR<25 | 000     | 013     |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               | 000     | 00      |
| 00451  | N                | N                                                   | 02/14/2002 | 14    | LITHIA WAY                    | INTER           | CROSS                        | N              |                | N             | S-1STOP           | 01 NONE   | 0 STRGHT   |    |      |       |                    |               |         |         |
| CITY   |                  |                                                     | Thu<br>1P  | 0     | E MAIN ST                     | SE              | 1                            | NONE           |                | N             | CLR               | PRVTE     | SE NW      | 01 | DRVR | NONE  | 19 F               | OR-Y<br>OR<25 | 026     | 000     |
|        |                  |                                                     |            |       |                               | 06              |                              |                |                | N             | REAR              | PSNGR CAR |            |    |      |       |                    |               |         | 07      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 PSNG   | INJC       | 02 | PSNG | INJC  | 22 M               |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 NONE   | 0 STOP     |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | SE NW      | 01 | DRVR | INJB  | 23 M               | OR-Y<br>OR<25 | 000     | 011 013 |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 03 NONE   | 0 STOP     |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | SE NW      | 01 | DRVR | NONE  | 32 M               | OR-Y<br>OR<25 | 000     | 011     |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               |         |         |
| 01036  | N                | N                                                   | 05/29/2004 | 14    | LITHIA WAY                    | INTER           | CROSS                        | N              |                | N             | S-1STOP           | 01 NONE   | STRGHT     |    |      |       |                    |               |         |         |
| NO RPT |                  |                                                     | Sat<br>5P  | 0     | E MAIN ST                     | SE              | 1                            | TRF SIGNAL     |                | N             | CLR               | PRVTE     | SE NW      | 01 | DRVR | NONE  | 27 F               | OR-Y<br>OR<25 | 026     | 000     |
|        |                  |                                                     |            |       |                               | 06              |                              |                |                | N             | REAR              | PSNGR CAR |            |    |      |       |                    |               | 000     | 07      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 NONE   | STOP       |    |      |       |                    |               |         |         |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PRVTE     | SE NW      | 01 | DRVR | INJC  | 49 F               | OR-Y<br>OR<25 | 000     | 011     |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | PSNGR CAR |            |    |      |       |                    |               | 000     | 00      |
|        |                  |                                                     |            |       |                               |                 |                              |                |                |               |                   | 02 PSNG   | INJC       | 02 | PSNG | INJC  | 10 F               |               | 000     | 00      |

Lithia Way @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#            | S | D | P | R | S | W | E | A | U | C | O | DATE       | CLASS | CITY   | STREET | RD     | CHAR  | INT-TYP  | INT-REL    | OFF-RD | WTHR     | CRASH | TYP    | SPCL USE | MOVE  | A      | S      | PED  | ERROR | ACTN | EVENT | CAUSE |         |       |       |     |       |     |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|------------|-------|--------|--------|--------|-------|----------|------------|--------|----------|-------|--------|----------|-------|--------|--------|------|-------|------|-------|-------|---------|-------|-------|-----|-------|-----|----|
| INVEST          | E | L | G | H | R | K | C | L | K |   |   | DAY        | DIST  | FIRST  | SECOND | DIRECT | LOCTN | (#LANES) | TRAF-CONTL | RND BT | SURF     | COLL  | SVR TY | V#       | VEH   | TYPE   | TO     | P#   | PRTC  | INJ  | G     | E     | LICNS   | LOC   |       |     |       |     |    |
| 01282<br>NO RPT | N | N | N | N | N | N |   |   |   |   |   | 02/02/2002 | 14    | LITHIA | WAY    | INTER  |       | CROSS    | N          | CLR    | S-1STOP  |       | 01     | NONE     | 0     | STRGHT |        | 03   | PSNG  | INJC | 13    | F     |         |       | 000   | 000 | 00    |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | Sat        | 0     | E MAIN | ST     | SW     |       | 1        | TRF        | SIGNAL | N        | DRY   | REAR   |          |       | 04     | PSNG   | INJC | 15    | F    |       |       | 000     | 000   | 00    |     |       |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | 3P         |       |        |        | 06     |       |          |            | N      | DAY      | INJ   |        |          |       |        |        |      |       |      |       |       |         | 000   | 000   | 02  |       |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   |            |       |        |        |        |       |          |            |        |          |       |        | 02       | NONE  | 0      | STOP   |      |       |      |       |       |         |       |       | 000 | 011   |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   |            |       |        |        |        |       |          |            |        |          |       |        |          | PSNGR | CAR    | SW     | NE   | 01    | DRVR | NONE  | 45    | F       | OR-Y  |       | 026 | 038   | 02  |    |
| 00293<br>CITY   | N | N | N |   |   |   |   |   |   |   |   | 02/04/2005 | 14    | LITHIA | WAY    | INTER  |       | CROSS    | N          | RAIN   | PED      |       | 01     | NONE     |       | TURN-L |        | 01   | DRVR  | INJC | 26    | F     | OR-Y    |       | 000   |     | 011   |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | Fri        | 0     | E MAIN | ST     | NW     |       | 1        | TRF        | SIGNAL | N        | WET   | PED    |          |       | 01     | DRVR   | NONE | 39    | M    | OR-Y  |       | 003,029 | 000   | 000   | 00  | 02,08 |     |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | 7P         |       |        |        | 05     |       |          |            | N      | DLIT     | INJ   |        |          |       | PSNGR  | CAR    | W    | NW    | 01   | PED   | INJB  | 22      | F     | OR<25 | 01  | 000   | 035 | 00 |
| 00269<br>CITY   | N | N | N |   |   |   |   |   |   |   |   | 02/26/2004 | 12    | LITHIA | WAY    | INTER  |       | CROSS    | N          | CLR    | ANGL-OTH |       | 01     | NONE     |       | STRGHT |        | 01   | PED   | INJB | 22    | F     |         |       | 000   |     | 035   |     | 00 |
|                 |   |   |   |   |   |   |   |   |   |   |   | Thu        | 0     | E MAIN | ST     | CN     |       | 1        | TRF        | SIGNAL | N        | DRY   | ANGL   |          |       |        | STRGHT |      | 01    | DRVR | NONE  | 29    | F       | OR-Y  |       | 020 | 000   | 00  | 04 |
|                 |   |   |   |   |   |   |   |   |   |   |   | 3P         |       |        |        | 04     |       |          |            | N      | DAY      | INJ   |        |          |       | PSNGR  | CAR    | SE   | NW    | 01   | PSNG  | INJB  | 08      | F     | OR<25 |     | 000   | 000 | 00 |
|                 |   |   |   |   |   |   |   |   |   |   |   |            |       |        |        |        |       |          |            |        |          |       |        | 02       | NONE  |        | STRGHT |      | 01    | DRVR | NONE  | 36    | F       | OR-Y  |       | 000 | 000   | 00  |    |
|                 |   |   |   |   |   |   |   |   |   |   |   |            |       |        |        |        |       |          |            |        |          |       |        |          | PSNGR | CAR    | W      | E    | 01    | DRVR | NONE  | 36    | F       | OR<25 |       | 000 | 000   | 00  |    |
| 02768<br>NO RPT | N | N | N |   |   |   |   |   |   |   |   | 12/12/2005 | 14    | LITHIA | WAY    | INTER  |       | CROSS    | N          | CLR    | ANGL-OTH |       | 01     | NONE     | 0     | STRGHT |        | 01   | DRVR  | NONE | 80    | F     | OR-Y    |       | 020   | 000 | 00    | 04  |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | Mon        | 0     | E MAIN | ST     | CN     |       | 0        | TRF        | SIGNAL | N        | DRY   | ANGL   |          |       |        | STRGHT |      | 01    | DRVR | NONE  | 80    | F       | OR<25 |       | 020 | 000   | 00  | 04 |
|                 |   |   |   |   |   |   |   |   |   |   |   | 8A         |       |        |        | 04     |       |          |            | N      | DAY      | PDO   |        |          |       | PSNGR  | CAR    | S    | N     | 01   | PSNG  | INJB  | 07      | F     | OR<25 |     | 000   | 000 | 00 |
| 00930<br>CITY   | N | N | N | N | N | N |   |   |   |   |   | 05/19/2009 | 14    | LITHIA | WAY    | INTER  |       | CROSS    | N          | CLR    | PED      |       | 01     | NONE     |       | TURN-R |        | 01   | DRVR  | NONE | 87    | F     | OR-Y    |       | 029   | 000 | 00    | 02  |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | Tue        | 0     | MAIN   | ST     | SE     |       | 0        | TRF        | SIGNAL | N        | DRY   | PED    |          |       |        | STRGHT |      | 01    | DRVR | NONE  | 87    | F       | OR<25 |       | 029 | 000   | 00  | 02 |
|                 |   |   |   |   |   |   |   |   |   |   |   | 1P         |       |        |        | 05     |       |          |            | N      | DAY      | INJ   |        |          |       | PSNGR  | CAR    | E    | NW    | 01   | PED   | INJC  | 24      | M     | OR<25 | 01  | 000   | 035 | 00 |
| 02424<br>NO RPT | N | N | N |   |   |   |   |   |   |   |   | 11/19/2004 | 14    | LITHIA | WAY    | INTER  |       | 3-LEG    | N          | CLR    | S-1STOP  |       | 01     | NONE     |       | STRGHT |        | 01   | DRVR  | NONE | 55    | M     | OR-Y    |       | 026   | 000 | 004   | 07  |    |
|                 |   |   |   |   |   |   |   |   |   |   |   | Fri        | 0     | MAIN   | ST     | NW     |       | 1        | UNKNOWN    | N      | DRY      | REAR  |        |          |       |        | STRGHT |      | 01    | DRVR | NONE  | 55    | M       | OR<25 |       | 026 | 000   | 00  | 07 |

Lithia Way @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | P<br>E<br>C | A<br>L<br>C | R<br>U<br>L | S<br>W<br>O<br>K | DATE<br>DAY<br>TIME     | CLASS<br>DIST<br>FROM | CITY<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO            | P#              | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>LICNS<br>RES | PED<br>LOC | ERROR          | ACTN | EVENT | CAUSE          |    |
|-------|--------|-------------|-------------|-------------|------------------|-------------------------|-----------------------|---------------------------------------|----------------------------|-----------------------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|-------------------------------|-----------------|--------------|--------------|------------------|------------------------|------------|----------------|------|-------|----------------|----|
| 01741 | CITY   | N           | N           | N           | N                | 09/14/2009<br>Mon<br>9A | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 02 NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NW SE   | 01           | DRVR         | NONE             | 64                     | M          | OR-Y<br>OR<25  | 000  |       | 011 004<br>000 | 00 |
| 01741 | CITY   | N           | N           | N           | N                | 09/14/2009<br>Mon<br>9A | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 01 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E   | 01           | DRVR         | INJC             | 89                     | M          | SUSP<br>OR<25  | 097  |       | 000<br>000     | 00 |
| 01741 | CITY   | N           | N           | N           | N                | 09/14/2009<br>Mon<br>9A | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 02 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW | 01           | DRVR         | NONE             | 45                     | M          | OR-Y<br>OR<25  | 097  |       | 000<br>000     | 00 |
| 00729 | CITY   | N           | N           | N           | N                | 04/24/2009<br>Fri<br>4P | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 01 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E   | 01           | DRVR         | INJC             | 18                     | M          | OR-Y<br>OR<25  | 000  |       | 000<br>000     | 00 |
| 00729 | CITY   | N           | N           | N           | N                | 04/24/2009<br>Fri<br>4P | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 01 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E   | 02           | PSNG         | INJC             | 15                     | M          |                | 000  |       | 000<br>000     | 00 |
| 00729 | CITY   | N           | N           | N           | N                | 04/24/2009<br>Fri<br>4P | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 01 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E   | 03           | PSNG         | INJC             | 17                     | M          |                | 000  |       | 000<br>000     | 00 |
| 00729 | CITY   | N           | N           | N           | N                | 04/24/2009<br>Fri<br>4P | 14<br>0               | LITHIA WAY<br>MAIN ST                 | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>TRF                  | SIGNAL                   | N<br>N<br>DAY         | CLR<br>DRY<br>INJ              | ANGL-OTH<br>ANGL<br>INJ                   | 02 NONE<br>RENTL<br>PSNGR CAR | STRGHT<br>SE NW | 01           | DRVR         | INJC             | 50                     | F          | OTH-Y<br>N-RES | 020  |       | 000<br>000     | 00 |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPEMain Street @ Walker Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|

YEAR:

TOTAL

FINAL TOTAL

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Mountain Avenue & Ashland Street  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2005     |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL     | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Mountain Avenue & Ashland Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S | D | DATE | CLASS      | CITY STREET | RD CHAR       | INT-TYP |          |         |        |       | SPCL USE  |          |          |      |        | G E | S    | LICNS | PED | ACTN | EVENT    | CAUSE   |     |          |     |    |      |       |   |   |
|-------|--------|---|---|------|------------|-------------|---------------|---------|----------|---------|--------|-------|-----------|----------|----------|------|--------|-----|------|-------|-----|------|----------|---------|-----|----------|-----|----|------|-------|---|---|
|       |        | P | R |      |            |             |               | S       | W        | INT-REL | OFF-RD | WTHR  | CRASH TYP | TRLR QTY | MOVE     | PRTC | INJ    |     |      |       |     |      |          |         | A   | X        | RES |    |      |       |   |   |
|       |        | E | A |      |            |             |               | U       | O        | LEGS    | RNDBT  | SURF  | COLL TYP  | OWNER    | FROM     |      |        |     |      |       |     |      |          |         |     |          |     | P# | TYPE | SVRTY | E | X |
|       |        | E | L |      |            |             |               | G       | H        | TRAFF   | DRVWY  | LIGHT | SVRTY     | V#       | VEH TYPE |      |        |     |      |       |     |      |          |         |     |          |     |    |      |       |   |   |
|       |        | C | L | K    | TIME       | FROM        | SECOND STREET | LOCTN   | (#LANES) | CONTL   |        |       |           |          |          |      |        |     |      |       |     |      |          |         |     |          |     |    |      |       |   |   |
| 00980 |        | N | N | N    | 05/03/2005 | 17          | ASHLAND ST    | INTER   | CROSS    | N       | N      | CLR   | BIKE      | 01       | NONE     | 0    | STRGHT |     |      |       |     | 058  | 27,02,10 |         |     |          |     |    |      |       |   |   |
| CITY  |        |   |   |      | Tue        | 0           | MOUNTAIN AVE  | CN      | NONE     | N       | DRY    | ANGL  |           |          | PRVTE    | S    | N      |     |      |       | 088 | 058  | 00       |         |     |          |     |    |      |       |   |   |
|       |        |   |   |      | 1P         |             |               | 04      | 0        | N       | DAY    | INJ   |           |          | PSNGR    | CAR  |        | 01  | DRVR | NONE  | 83  | F    | OR-Y     | 027,016 | 000 | 27,02,10 |     |    |      |       |   |   |
|       |        |   |   |      |            |             |               |         |          |         |        |       |           |          |          |      | STRGHT | 01  | BIKE | INJB  | 20  | F    | OR<25    | 000     | 039 | 00       |     |    |      |       |   |   |
|       |        |   |   |      |            |             |               |         |          |         |        |       |           |          |          |      | W      | E   |      |       |     |      |          |         |     |          |     |    |      |       |   |   |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Mountain Avenue @ E. Main Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 3                        | 1                          | 4                | 0                | 4                 | 0      | 4           | 0           | 2   | 2    | 4                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 1           | 1           | 0   | 2    | 2                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 1           | 1           | 0   | 2    | 2                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 6                        | 4                          | 10               | 0                | 9                 | 0      | 9           | 1           | 5   | 5    | 10                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

Mountain Avenue @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#   | S<br>P<br>E<br>I | D<br>R<br>A<br>L | U<br>C<br>O<br>H<br>R | DATE | CLASS      | CITY STREET                   | RD CHAR         | INT-TYP                      | INT-REL        | OFF-RD         | WTHR          | CRASH TYP         | SPCL USE          | MOVE       | A  | S            | PED          | ERROR  | ACTN           | EVENT         | CAUSE   |  |
|--------|------------------|------------------|-----------------------|------|------------|-------------------------------|-----------------|------------------------------|----------------|----------------|---------------|-------------------|-------------------|------------|----|--------------|--------------|--------|----------------|---------------|---------|--|
| INVEST | C                | L                | K                     | TIME | DIST       | FIRST STREET<br>SECOND STREET | DIRECT<br>LOCTN | (MEDIAN)<br>LEGS<br>(#LANES) | TRAF-<br>CONTL | RNDBT<br>DRVWY | SURF<br>LIGHT | COLL TYP<br>SVRTY | OWNER<br>VEH TYPE | FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | G<br>E | LICNS<br>X RES | LOC           |         |  |
| 01525  | N                | N                | N                     | N    | 08/03/2009 | 17                            | E MAIN ST       | INTER                        | CROSS          | N              | CLR           | S-1STOP           | 01                | NONE       | 0  | STRGHT       |              |        |                |               |         |  |
| CITY   |                  |                  |                       |      | Mon        | 0                             | MOUNTAIN AVE    | E                            | TRF SIGNAL     | N              | DRY           | REAR              | PRVTE             | E W        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       | 8A   |            |                               | 06              | 0                            |                |                | N             | DAY               | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 56 F           | OR-Y<br>OR<25 | 026     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | 02                | NONE       | 0  | STOP         |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PRVTE             | E W        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PSNGR CAR         |            |    | 01           | DRVR         | INJC   | 28 F           | OR-Y<br>OR-?  | 000     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    | 02           | PSNG         | INJC   | 29 F           |               | 000     |  |
| 00835  | N                | N                | N                     |      | 05/10/2004 | 16                            | E MAIN ST       | INTER                        | CROSS          | N              | CLR           | S-1STOP           | 01                | NONE       |    | STRGHT       |              |        |                |               |         |  |
| NONE   |                  |                  |                       |      | Mon        | 0                             | MOUNTAIN AVE    | W                            | TRF SIGNAL     | N              | DRY           | REAR              | PRVTE             | W E        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       | 3P   |            |                               | 06              | 0                            |                |                | N             | DAY               | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 28 M           | OR-Y<br>OR>25 | 026     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | 02                | NONE       |    | STOP         |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PRVTE             | W E        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PSNGR CAR         |            |    | 01           | DRVR         | INJC   | 24 F           | OR-Y<br>OR<25 | 000     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    | 02           | PSNG         | INJC   | 50 F           |               | 000     |  |
| 03564  | N                | N                | N                     | N    | 12/15/2002 | 16                            | E MAIN ST       | INTER                        | CROSS          | N              | RAIN          | O-1TURN           | 01                | NONE       | 0  | TURN-L       |              |        |                |               |         |  |
| CITY   |                  |                  |                       |      | Sun        | 0                             | MOUNTAIN AVE    | CN                           | TRF SIGNAL     | N              | WET           | TURN              | PRVTE             | S W        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       | 6P   |            |                               | 01              | 0                            |                |                | N             | DLIT              | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 17 F           | OR-Y<br>OR<25 | 020     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | 02                | NONE       | 0  | STRGHT       |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PRVTE             | N S        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 20 F           | OR-Y<br>OR<25 | 000     |  |
| 00988  | N                | N                | N                     |      | 05/01/2004 | 16                            | E MAIN ST       | INTER                        | CROSS          | N              | CLR           | ANGL-OTH          | 01                | NONE       |    | STRGHT       |              |        |                |               |         |  |
| CITY   |                  |                  |                       |      | Sat        | 0                             | MOUNTAIN AVE    | CN                           | TRF SIGNAL     | N              | DRY           | ANGL              | PRVTE             | E W        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       | 9P   |            |                               | 01              | 0                            |                |                | N             | DLIT              | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 17 M           | OR-Y<br>OR<25 | 000     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | 02                | NONE       |    | STRGHT       |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PRVTE             | N S        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 17 F           | OR-Y<br>OR<25 | 020,052 |  |
| 00590  | N                | N                | N                     |      | 03/22/2007 | 19                            | E MAIN ST       | INTER                        | CROSS          | N              | CLR           | ANGL-OTH          | 01                | NONE       |    | STRGHT       |              |        |                |               |         |  |
| NO RPT |                  |                  |                       |      | Thu        | 0                             | MOUNTAIN AVE    | CN                           | TRF SIGNAL     | N              | DRY           | ANGL              | PRVTE             | E W        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       | 6P   |            |                               | 01              | 0                            |                |                | N             | DUSK              | PSNGR CAR         |            |    | 01           | DRVR         | NONE   | 46 M           | OR-Y<br>OR<25 | 020     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | 02                | NONE       |    | STRGHT       |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PRVTE             | N S        |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   | PSNGR CAR         |            |    | 01           | DRVR         | INJC   | 31 F           | OR-Y<br>OR<25 | 000     |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    |              |              |        |                |               |         |  |
|        |                  |                  |                       |      |            |                               |                 |                              |                |                |               |                   |                   |            |    | 02           | PSNG         | INJC   | 15 F           |               | 000     |  |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

Mountain Avenue @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#   | S D       |           |      |       | DATE       | CLASS        | CITY STREET  | RD CHAR  | INT-TYP | INT-REL | OFF-RD | WTHR  | CRASH TYP | SPCL USE |       | MOVE   | A S |      |       |       | PED | ACTN  | EVENT   | CAUSE |             |    |
|--------|-----------|-----------|------|-------|------------|--------------|--------------|----------|---------|---------|--------|-------|-----------|----------|-------|--------|-----|------|-------|-------|-----|-------|---------|-------|-------------|----|
|        | P R S W   |           |      |       |            |              |              |          |         |         |        |       |           | TRLR     | QTY   |        | INJ | G E  | LICNS |       |     |       |         |       |             |    |
|        | E A U C O | E L G H R | DATE | CLASS |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       | OWNER |     |       |         |       |             |    |
| INVEST | C         | L         | K    | TIME  | FROM       | FIRST STREET | DIRECT       | (#LANES) | CONTL   | DRVWY   | LIGHT  | SVRTY | V#        | VEH TYPE | FROM  | TO     | P#  | TYPE | SVRTY | E X   | RES | LOC   | ERROR   |       |             |    |
| 01721  | N         | N         | N    | N     | 08/23/2007 | 16           | E MAIN ST    | INTER    | CROSS   | N       |        | CLR   | ANGL-OTH  | 01       | NONE  | STRGHT |     |      |       |       |     |       |         |       |             | 04 |
| CITY   |           |           |      |       | Thu        | 0            | MOUNTAIN AVE | CN       |         | TRF     | SIGNAL | N     | DRY       |          | PRVTE | E W    |     |      |       |       |     |       |         |       | 00          |    |
|        |           |           |      | 2P    |            |              |              | 01       | 0       |         |        | N     | DAY       |          | PSNGR | CAR    | 01  | DRVR | NONE  | 17    | F   | OR-Y  | 000     | 000   | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           | 02       | NONE  | TURN-L |     |      |       |       |     |       |         |       | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PSNGR | N E    | 01  | DRVR | INJB  | 72    | F   | OR-Y  | 020     | 000   | 04          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       |       |     |       |         |       |             |    |
| 00117  | N         | N         | N    | N     | 01/12/2002 | 16           | E MAIN ST    | INTER    | CROSS   | N       |        | CLR   | O-1TURN   | 01       | NONE  | STRGHT |     |      |       |       |     |       |         |       | 08          |    |
| NO RPT |           |           |      |       | Sat        | 0            | MOUNTAIN AVE | CN       |         | TRF     | SIGNAL | N     | DRY       |          | PRVTE | E W    |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      | 5P    |            |              |              | 02       | 0       |         |        | N     | DLIT      |          | PSNGR | CAR    | 01  | DRVR | NONE  | 48    | F   | OR-Y  | 000     | 000   |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           | 02       | NONE  | TURN-L |     |      |       |       |     |       |         |       | 08          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PRVTE | W N    | 01  | DRVR | NONE  | 18    | F   | OTH-Y | 004     | 000   |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PSNGR | N-RES  |     |      |       |       |     |       |         |       |             |    |
| 00163  | N         | N         | N    | N     | 01/10/2001 | 16           | E MAIN ST    | INTER    | CROSS   | N       |        | CLR   | O-1TURN   | 01       | NONE  | STRGHT |     |      |       |       |     |       |         |       | 08          |    |
| NO RPT |           |           |      |       | Wed        | 0            | MOUNTAIN AVE | CN       |         | TRF     | SIGNAL | N     | DRY       |          | PRVTE | S N    |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      | 1P    |            |              |              | 04       | 0       |         |        | N     | DAY       |          | PSNGR | CAR    | 01  | DRVR | NONE  | 70    | F   | OR-Y  | 000     | 000   |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           | 02       | NONE  | TURN-L |     |      |       |       |     |       |         |       | 08          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PRVTE | N E    | 01  | DRVR | INJC  | 42    | F   | OR-Y  | 004     | 000   |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PSNGR | OR<25  |     |      |       |       |     |       |         |       |             |    |
| 00648  | N         | N         | N    |       | 03/29/2007 | 16           | E MAIN ST    | INTER    | CROSS   | N       |        | CLR   | BIKE      |          |       |        |     |      |       |       |     |       |         |       | 110,010,001 | 04 |
| NONE   |           |           |      |       | Thu        | 0            | MOUNTAIN AVE | CN       |         | TRF     | SIGNAL | N     | DRY       |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      | 3P    |            |              |              | 04       | 0       |         |        | N     | DAY       |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       | STRGHT | 01  | BIKE | INJB  | 52    | F   |       | 020     | 035   | 110,001     | 04 |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       | W E    |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           | 01       | NONE  | STRGHT |     |      |       |       |     |       |         |       | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PRVTE | S N    | 01  | DRVR | NONE  | 62    | M   | OTH-Y | 000     | 000   | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PSNGR | N-RES  |     |      |       |       |     |       |         |       |             |    |
| 01549  | N         | N         | N    | N     | 08/17/2007 | 16           | E MAIN ST    | INTER    | CROSS   | N       |        | CLR   | O-1TURN   | 01       | NONE  | TURN-L |     |      |       |       |     |       |         |       | 02,08       |    |
| CITY   |           |           |      |       | Fri        | 0            | MOUNTAIN AVE | CN       |         | TRF     | SIGNAL | N     | DRY       |          | PRVTE | N E    |     |      |       |       |     |       |         | 000   | 00          |    |
|        |           |           |      | 9P    |            |              |              | 04       | 0       |         |        | N     | DLIT      |          | PSNGR | CAR    | 01  | DRVR | NONE  | 30    | M   | OR-Y  | 004,028 | 000   | 02,08       |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          |       |        |     |      |       |       |     |       |         |       |             |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           | 02       | NONE  | STRGHT |     |      |       |       |     |       |         |       | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PRVTE | S N    | 01  | DRVR | NONE  | 19    | F   | OR-Y  | 000     | 000   | 00          |    |
|        |           |           |      |       |            |              |              |          |         |         |        |       |           |          | PSNGR | OR<25  |     |      |       |       |     |       |         |       |             |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Mountain Avenue & Hersey Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Mountain Avenue & Iowa Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2005     |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END       | 0                | 1                        | 0                          | 1                | 0                | 4                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL     | 0                | 1                        | 0                          | 1                | 0                | 4                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL    | 0                | 1                        | 0                          | 1                | 0                | 4                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.





OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Nevada Street @ Oak Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2005           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2003           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 1            |
| 2003 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 1            |
| FINAL TOTAL          | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 1            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Nevada Street @ Oak Street  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 66 (Hwy 021) @ Dead Indian Memorial  
January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2005     |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END       | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL     | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL    | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

021 GREEN SPRINGS

OR 66 (Hwy 021) @ Dead Indian Memorial  
January 1, 2000 through December 31, 2009

| SER#   | S D       |            |            |         | COUNTY             | RD# FC        | COMPNT | CONN # | INT-TYP   |          |         |          | SPCL USE |           |          |       | A S   | E LICNS | PED  | ACTN | EVENT | CAUSE |     |     |    |
|--------|-----------|------------|------------|---------|--------------------|---------------|--------|--------|-----------|----------|---------|----------|----------|-----------|----------|-------|-------|---------|------|------|-------|-------|-----|-----|----|
|        | P R S W   |            |            |         |                    |               |        |        | RD CHAR   | (MEDIAN) | INT-REL | OFFRD    | WTHR     | CRASH TYP | TLRL QTY | MOVE  |       |         |      |      |       |       |     |     |    |
|        | E A U C O |            |            |         |                    |               |        |        |           |          |         |          |          |           |          |       |       |         |      |      |       |       |     |     |    |
|        | DATE      |            |            |         |                    |               |        |        |           |          |         |          |          |           |          |       |       |         |      |      |       |       |     |     |    |
| INVEST | D C S L K | TIME       | URBAN AREA | MLG TYP | FIRST STREET       | SECOND STREET | DIRECT | LEGS   | TRAF-CNTL | RNDBT    | SURF    | COLL TYP | OWNER    | FROM      | P#       | TYPE  | SVRTY | E X     | RES  | LOC  | ERROR |       |     |     |    |
| 01783  | N N N     | 08/02/2005 | JACKSON    | 1 14    |                    |               | INTER  | 3-LEG  | N         | N CLR    | S-1STOP | 01       | NONE     | 0         | STRGHT   |       |       |         |      |      |       | 07    |     |     |    |
| CITY   |           | Tue        | ASHLAND    | 0 0     | ASHLAND ST         |               | CN     |        | UNKNOWN   | N DRY    | REAR    |          | PRVTE    |           | NW SE    |       |       |         |      |      | 000   | 00    |     |     |    |
|        |           | 11A        | MEDFORD UA | 1.98    | DEAD INDIAN MEM RD |               | 01     | 0      |           | N DAY    | PDO     |          | PSNGR    | CAR       |          |       | 01    | DRVR    | NONE | 41 M | OR-Y  | 026   | 000 | 07  |    |
|        |           |            |            |         |                    |               |        |        |           |          |         |          | 02       | NONE      | 0        | STOP  |       |         |      |      |       | 012   | 00  |     |    |
|        |           |            |            |         |                    |               |        |        |           |          |         |          | PSNGR    | CAR       |          | NW SE |       | 01      | DRVR | NONE | 36 F  | OR-Y  | 000 | 000 | 00 |
|        |           |            |            |         |                    |               |        |        |           |          |         |          |          |           |          |       |       |         |      |      | OR<25 |       |     |     |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 66 (Hwy 021) @ Washington Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 2                        | 0                          | 2                | 0                | 2                 | 1      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 2                 | 1      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 3                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 3                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 4                        | 1                          | 5                | 0                | 6                 | 2      | 4           | 1           | 5   | 0    | 5                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR 66 (Hwy 021) @ Washington Street  
January 1, 2000 through December 31, 2009

[illegible]





OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 66 (Hwy 021) Ashland Street @ Walker Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 0   | 2    | 2                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 0   | 2    | 2                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 3                        | 5                          | 8                | 0                | 3                 | 0      | 8           | 0           | 3   | 5    | 8                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 66 (Hwy 021) Ashland Street @ Walker Street  
January 1, 2000 through December 31, 2009

| SER#            | S<br>P<br>E<br>I<br>N<br>V<br>E<br>S<br>T | D<br>R<br>A<br>L<br>C<br>L<br>K | W<br>S<br>C<br>U<br>O<br>G<br>H<br>R | DATE                    | CLASS   | CITY STREET              | RD CHAR           | INT-TYP                      | INT-REL         | OFF-RD         | WTHR               | CRASH TYP               | SPCL USE                         | MOVE          | A  | S  | PED          | ERROR        | ACTN                  | EVENT                 | CAUSE   |            |                 |                   |       |
|-----------------|-------------------------------------------|---------------------------------|--------------------------------------|-------------------------|---------|--------------------------|-------------------|------------------------------|-----------------|----------------|--------------------|-------------------------|----------------------------------|---------------|----|----|--------------|--------------|-----------------------|-----------------------|---------|------------|-----------------|-------------------|-------|
| INVEST          | C                                         | L                               | K                                    | TIME                    | FROM    | SECOND STREET            | DIRECT<br>LOCTN   | (MEDIAN)<br>LEGS<br>(#LANES) | TRAF-<br>CONTL  | RNDBT<br>DRVWY | SURF<br>LIGHT      | COLL TYP<br>SVRTY       | V#                               | VEH TYPE      | TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | G<br>E<br>X<br>RES    | LICNS<br>RES          | LOC     | ERROR      | ACTN            | EVENT             | CAUSE |
| 01466<br>NONE   | N                                         | N                               | N                                    | 08/13/2008<br>Wed<br>6P | 14<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>N<br>06  | CROSS<br>0                   | N<br>TRF SIGNAL | N<br>N         | CLR<br>DRY<br>DAY  | BIKE<br>TURN<br>INJ     | 01<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>N W |    |    | 01           | DRVR         | NONE                  | 21 F<br>OR-Y<br>OR<25 | 027     | 016<br>000 | 000             | 02,12<br>00<br>02 |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         |                                  | STRGHT<br>W E |    | 01 | BIKE         | INJB         | 00 M                  |                       | 01      | 044,062    | 035             | 12                |       |
| 00584<br>NONE   | N                                         | N                               | N                                    | 03/10/2004<br>Wed<br>7P | 17<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>S<br>05  | CROSS<br>0                   | N<br>UNKNOWN    | N<br>N         | CLR<br>DRY<br>DUSK | ANGL-STP<br>TURN<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>E S |    |    | 01           | DRVR         | NONE                  | 19 M<br>OR-Y<br>OR<25 | 026     | 000<br>038 | 000             | 07,27<br>00<br>07 |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         | 02<br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>N S   |    | 01 | DRVR         | NONE         | 24 M<br>OR-Y<br>OR<25 |                       | 000     | 012<br>000 | 00<br>00        |                   |       |
| 02630<br>NONE   | N                                         | N                               | N                                    | 11/04/2006<br>Sat<br>3P | 17<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>S<br>06  | CROSS<br>0                   | N<br>TRF SIGNAL | N<br>N         | CLR<br>DRY<br>DAY  | S-1STOP<br>REAR<br>PDO  | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>S N |    |    | 01           | DRVR         | NONE                  | 20 M<br>OR-Y<br>OR<25 | 014,026 | 038        | 000<br>00<br>07 |                   |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         | 02<br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>S N   |    | 01 | DRVR         | NONE         | 60 F<br>OR-Y<br>OR<25 |                       | 000     | 011<br>000 | 00<br>00        |                   |       |
| 01205<br>NO RPT | N                                         | N                               | N                                    | 06/18/2004<br>Fri<br>8P | 14<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>CN<br>01 | CROSS<br>0                   | N<br>TRF SIGNAL | N<br>N         | CLR<br>DRY<br>DUSK | ANGL-OTH<br>ANGL<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>E W |    |    | 01           | DRVR         | NONE                  | 28 F<br>OR-Y<br>OR<25 | 097     | 000<br>000 | 000             | 04<br>00<br>00    |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         | 02<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>N S |    | 01 | DRVR         | NONE         | 20 M<br>OR-Y<br>OR<25 |                       | 097     | 000<br>000 | 00<br>00        |                   |       |
| 00163<br>NONE   | N                                         | N                               | N                                    | 01/07/2009<br>Wed<br>8A | 14<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>CN<br>01 | CROSS<br>0                   | N<br>TRF SIGNAL | N<br>N         | CLR<br>DRY<br>DAY  | S-OTHER<br>TURN<br>PDO  | 01<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>N W |    |    | 01           | DRVR         | NONE                  | 50 M<br>OR-Y<br>OR<25 | 006     | 000<br>000 | 000             | 08<br>00<br>08    |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         | 02<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>N W |    | 01 | DRVR         | NONE         | 32 M<br>OR-Y<br>OR<25 |                       | 000     | 000<br>000 | 00<br>00        |                   |       |
| 01117<br>NONE   | N                                         | N                               | N                                    | 05/07/2006<br>Sun<br>8P | 14<br>0 | ASHLAND ST<br>WALKER AVE | INTER<br>CN<br>04 | CROSS<br>0                   | N<br>TRF SIGNAL | N<br>N         | CLR<br>DRY<br>DUSK | O-1TURN<br>TURN<br>INJ  | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>S N |    |    | 01           | DRVR         | INJC                  | 50 F<br>OR-Y<br>OR<25 | 000     | 088<br>000 | 000             | 08<br>00<br>00    |       |
|                 |                                           |                                 |                                      |                         |         |                          |                   |                              |                 |                |                    |                         | 02<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>N E |    | 01 | DRVR         | NONE         | 16 M<br>OR-Y<br>OR<25 |                       | 004     | 000<br>000 | 00<br>08        |                   |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE  
 OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Northbound ramps  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2006           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS    | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2006 TOTAL           | 0                | 2                        | 1                          | 3                | 0                | 3                 | 0      | 2           | 1           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2003           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL           | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2000           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2000 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| FINAL TOTAL          | 0                | 6                        | 2                          | 8                | 0                | 8                 | 0      | 7           | 1           | 8   | 0    | 8                 | 0                            | 1            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Northbound ramps  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

021 GREEN SPRINGS

OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Northbound ramps  
January 1, 2000 through December 31, 2009

| S D    |           | P R S W    |            | RD# FC  |                    | INT-TYP |          | SPCL USE   |            | A S       |           | PED    |               | ACTN      |       | EVENT       |     | CAUSE |       |
|--------|-----------|------------|------------|---------|--------------------|---------|----------|------------|------------|-----------|-----------|--------|---------------|-----------|-------|-------------|-----|-------|-------|
| SER#   | E A U C O | DATE       | COUNTY     | COMPNT  | CONN #             | RD CHAR | (MEDIAN) | INT-REL    | OFFRD WTHR | CRASH TYP | TRLR QTY  | MOVE   | PRTC INJ      | G E LICNS | LOC   | ERROR       |     |       |       |
| INVEST | D C S L K | TIME       | URBAN AREA | MILEPNT | FIRST STREET       | DIRECT  | LEGS     | TRAF- CNTL | RNDBT SURF | COLL TYP  | OWNER     | FROM   | P# TYPE SVRTY | E X RES   |       |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           |           |        |               |           |       |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           | 02 NONE   | TURN-L |               |           |       |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           | PRVTE     | W N    |               |           |       |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           | PSNGR CAR |        | 01 DRVR NONE  | 26 M      | OR-Y  | 004,028     | 000 |       | 00    |
|        |           |            |            |         |                    |         |          |            |            |           |           |        |               |           | OR<25 |             |     |       | 02,08 |
|        |           |            |            |         |                    |         |          |            |            |           |           |        | 02 PSNG       | NO<5      | 01 F  | 000         | 000 |       | 00    |
|        |           |            |            |         |                    |         |          |            |            |           |           |        | 03 PSNG       | NO<5      | 01 M  | 000         | 000 |       | 00    |
| 02480  | Y N N     | 11/15/2006 | JACKSON    | 1 19 2  |                    | INTER   | CROSS    | N          | N CLR      | O-OTHER   | 01 NONE   | TURN-R |               |           |       |             |     |       | 01,08 |
| NONE   |           | Wed        | ASHLAND    | 6 0     | ASHLAND ST         | N       |          | UNKNOWN    | N DRY      | TURN      | PRVTE     | E N    |               |           |       |             |     |       | 00    |
|        |           | 3P         | MEDFORD UA | 1.38    | NB ENFR ASHLAND ST | 05      | 0        |            | N DAY      | INJ       | PSNGR CAR |        | 01 DRVR INJC  | 28 M      | OR-Y  | 001,007,047 | 000 |       | 01,08 |
|        |           |            |            |         |                    |         |          |            |            |           |           |        |               |           | OR<25 |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           |           |        | 02 PSNG       | INJC      | 29 M  | 000         | 000 |       | 00    |
|        |           |            |            |         |                    |         |          |            |            |           | 02 NONE   | TURN-L |               |           |       |             |     |       |       |
|        |           |            |            |         |                    |         |          |            |            |           | PRVTE     | W N    |               |           |       |             |     |       | 00    |
|        |           |            |            |         |                    |         |          |            |            |           | PSNGR CAR |        | 01 DRVR NONE  | 48 F      | OR-Y  | 000         | 000 |       | 00    |
|        |           |            |            |         |                    |         |          |            |            |           |           |        |               |           | OR<25 |             |     |       |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Southbound ramps  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 2                 | 1      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 6                        | 9                          | 15               | 0                | 6                 | 1      | 15          | 0           | 11  | 4    | 15                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

| SER#            | P E L D C S R A U G H O W K R DATE | COUNTY CITY URBAN AREA     | RD# COMPNT MLG MILEPNT | FC TYP | CONN # FIRST SECOND STREET      | RD CHAR DIRECT LOCTN | INT-TYP (MEDIAN) LEGS (#LANES) | INT-REL TRAF-CNTL | OFFRD RNDDBT DRVWY | WTHR SURF LIGHT  | CRASH COLL TYP SVRTY    | SPCL USE TRLR QTY OWNER VEH TYPE | MOVE FROM TO | P# | PRTC TYPE | INJ SVRITY | A G E X RES     | LICNS RES | PED LOC | ERROR | ACTN | EVENT | CAUSE |
|-----------------|------------------------------------|----------------------------|------------------------|--------|---------------------------------|----------------------|--------------------------------|-------------------|--------------------|------------------|-------------------------|----------------------------------|--------------|----|-----------|------------|-----------------|-----------|---------|-------|------|-------|-------|
| 01721<br>NONE   | N N N N N Mon 06/19/2000 3P        | JACKSON ASHLAND ASHLAND UA | 1 11 0 0 14.62         |        | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER S 06           | 4-LEG 0                        | N STOP SIGN       | N CLR N DAY        | S-1STOP REAR PDO | 01 NONE PRVTE PSNGR CAR | 0 STRGHT S N                     |              | 01 | DRVR      | NONE       | 44 F OR-Y OR<25 |           | 026     |       | 000  |       | 10    |
|                 |                                    |                            |                        |        |                                 |                      |                                |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 STOP S N                       |              | 01 | DRVR      | NONE       | 74 F OR-Y OR<25 |           | 000     |       | 011  |       | 10    |
| 03312<br>NONE   | N N N N N Thu 12/20/2001 2P        | JACKSON ASHLAND ASHLAND UA | 1 19 6 0 14.62         | 2      | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER N 01           | 4-LEG 0                        | N STOP SIGN       | N CLR N DAY        | S-1STOP REAR INJ | 01 NONE PRVTE PSNGR CAR | 0 STRGHT N S                     |              | 01 | DRVR      | NONE       | 26 M OR-Y OR<25 |           | 026     |       | 000  |       | 07    |
|                 |                                    |                            |                        |        |                                 |                      |                                |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 STOP N S                       |              | 01 | DRVR      | INJC       | 41 F OR-Y OR<25 |           | 000     |       | 011  |       | 07    |
| 01932<br>NO RPT | N N N N N Tue 07/02/2002 1P        | JACKSON ASHLAND ASHLAND UA | 1 14 6 0 14.62         | 2      | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER N 06           | 4-LEG 0                        | N STOP SIGN       | N CLR N DAY        | S-1TURN REAR INJ | 01 NONE PRVTE PSNGR CAR | 0 STRGHT N S                     |              | 01 | DRVR      | NONE       | 20 M OR-Y OR<25 |           | 026     |       | 000  | 082   | 07    |
|                 |                                    |                            |                        |        |                                 |                      |                                |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 TURN-R N W                     |              | 01 | DRVR      | INJC       | 50 F OR-Y OR<25 |           | 000     |       | 011  | 082   | 07    |
| 02235<br>NO RPT | N N N N N Fri 08/30/2002 12P       | JACKSON ASHLAND ASHLAND UA | 1 14 6 0 14.62         | 2      | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER N 06           | 4-LEG 0                        | N STOP SIGN       | N CLR N DAY        | S-1TURN REAR PDO | 01 NONE PRVTE PSNGR CAR | 0 STRGHT N S                     |              | 01 | DRVR      | NONE       | 57 F OR-Y OR<25 |           | 026     |       | 000  | 038   | 07    |
|                 |                                    |                            |                        |        |                                 |                      |                                |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 TURN-R N W                     |              | 01 | DRVR      | NONE       | 45 M OR-Y OR>25 |           | 000     |       | 011  |       | 07    |
| 00862<br>NONE   | N N N Tue 05/20/2008 5P            | JACKSON ASHLAND MEDFORD UA | 1 19 6 0 14.62         | 2      | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER NW 09          | CROSS 1                        | N STOP SIGN       | N CLR N DAY        | S-1STOP REAR PDO | 01 NONE PRVTE PSNGR CAR | STRGHT NE SW                     |              | 01 | DRVR      | NONE       | 43 M OR-Y OR<25 |           | 026     |       | 000  | 000   | 07    |
|                 |                                    |                            |                        |        |                                 |                      |                                |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | STOP NE SW                       |              | 01 | DRVR      | NONE       | 61 M OR-Y OR<25 |           | 000     |       | 011  | 000   | 00    |
| 01188<br>COUNTY | N N N Fri 06/10/2005 9P            | JACKSON ASHLAND MEDFORD UA | 1 19 6 0 14.62         | 2      | 2 ASHLAND ST SB EXTO ASHLAND ST | INTER CN 01          | 4-LEG 0                        | N STOP SIGN       | N CLR N DLIT       | S-OTHER TURN PDO | 01 NONE PRVTE PSNGR CAR | 1 TURN-R N W                     |              | 01 | DRVR      | NONE       | 21 F OR-Y OR>25 |           | 026     |       | 000  | 038   | 07,27 |





OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Southbound ramps  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S D<br>P R S W<br>E A U C O<br>E L G H R<br>D C S L K | DATE<br>DAY<br>TIME     | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG MILEPNT | FC<br>TYP | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH<br>TYP<br>COLL TYP | SPCL USE<br>TLRL QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY          | A S<br>G E<br>X RES    | LICNS<br>RES | PED<br>LOC | ERROR | ACTN<br>EVENT | CAUSE          |
|-----------------|--------|-------------------------------------------------------|-------------------------|----------------------------------|------------------------------|-----------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------|-------------------------------------------|--------------------|----|--------------|-----------------------|------------------------|--------------|------------|-------|---------------|----------------|
| 03035<br>NONE   |        | N N N N N                                             | 10/31/2002<br>Thu<br>7A | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB EXTO ASHLAND ST        | INTER<br>N<br>06           | 4-LEG<br>TRF SIGNAL<br>0                | N                        | N<br>N                   | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>PDO   | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           |    | 01           | DRVR<br>NONE          | 60 F<br>OR-Y<br>OR>25  |              | 000        |       | 015           | 07             |
|                 |        |                                                       |                         |                                  |                              |           |                                         |                            |                                         |                          |                          |                       |                          | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N SW          |    | 01           | DRVR<br>NONE          | 61 F<br>OR-Y<br>OR>25  |              | 000        |       | 011           |                |
| 00964<br>STATE  |        | N N N                                                 | 05/19/2004<br>Wed<br>9P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB ENFR ASHLAND ST        | INTER<br>S<br>06           | 4-LEG<br>UNKNOWN<br>0                   | N                        | N<br>N                   | CLR<br>DRY<br>DLIT    | BIKE<br>TURN<br>INJ      | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-R<br>W S      |    | 01           | DRVR<br>NONE          | 36 F<br>OR-Y<br>OR<25  |              | 000<br>000 |       | 000<br>000    | 02<br>00<br>00 |
|                 |        |                                                       |                         |                                  |                              |           |                                         |                            |                                         |                          |                          |                       |                          |                                           | STRGHT<br>E W      | 01 | BIKE<br>INJA | 34 M                  |                        | 062,044,028  |            | 035   | 02,10         |                |
| 01295<br>CITY   |        | N N N N N                                             | 05/12/2001<br>Sat<br>6P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB EXTO ASHLAND ST        | INTER<br>CN<br>01          | 4-LEG<br>STOP SIGN<br>0                 | N                        | N<br>N                   | CLR<br>DRY<br>DAY     | ANGL-OTH<br>ANGL<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>E W           |    | 01           | DRVR<br>INJA          | 19 M<br>OR-Y<br>OR<25  |              | 000        |       | 000           | 02             |
|                 |        |                                                       |                         |                                  |                              |           |                                         |                            |                                         |                          |                          |                       |                          | 02 NONE<br>PRVTE<br>TRUCK                 | 0<br>N S           |    | 01           | DRVR<br>NONE          | 46 M<br>OTH-Y<br>N-RES |              | 028        |       | 015           | 02             |
| 02125<br>NO RPT |        | N N N                                                 | 10/06/2006<br>Fri<br>1P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB EXTO ASHLAND ST        | INTER<br>CN<br>01          | CROSS<br>STOP SIGN<br>0                 | N                        | N<br>N                   | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-R<br>N W      |    | 01           | DRVR<br>NONE          | 85 M<br>OR-Y<br>OR<25  |              | 028        |       | 015<br>000    | 02<br>00<br>02 |
|                 |        |                                                       |                         |                                  |                              |           |                                         |                            |                                         |                          |                          |                       |                          | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>E W      | 01 | DRVR<br>NONE | 61 M<br>OR-Y<br>OR<25 |                        | 000          |            | 000   | 00<br>00      |                |
| 02338<br>NO RPT |        | N N N                                                 | 10/13/2006<br>Fri<br>9A | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB EXTO ASHLAND ST        | INTER<br>CN<br>01          | 4-LEG<br>STOP SIGN<br>0                 | N                        | N<br>N                   | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>N E      |    | 01           | DRVR<br>NONE          | 26 M<br>OTH-Y<br>N-RES |              | 028        |       | 015<br>000    | 02<br>00<br>02 |
|                 |        |                                                       |                         |                                  |                              |           |                                         |                            |                                         |                          |                          |                       |                          | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>E W      | 01 | DRVR<br>NONE | 27 M<br>OR-Y<br>OR<25 |                        | 000          |            | 000   | 00<br>00      |                |
| 02206<br>CITY   |        | N N N N N                                             | 08/04/2001<br>Sat<br>9P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.28          |           | ASHLAND ST<br>SB EXTO ASHLAND ST        | INTER<br>CN<br>02          | 4-LEG<br>STOP SIGN<br>0                 | N                        | N<br>N                   | CLR<br>DRY<br>DARK    | ANGL-OTH<br>TURN<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>E W      |    | 01           | DRVR<br>NONE          | 17 F<br>OR-Y<br>OR<25  |              | 000        |       | 000           | 02             |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

021 GREEN SPRINGS

OR66 (Hwy 021) @ I-5 (Hwy 001) exit 14 Southbound ramps  
January 1, 2000 through December 31, 2009

| SER#   | E L G H R DAY        | CITY       | RD# FC<br>COMPNT | CONN #             | RD CHAR | INT-TYP<br>(#LANES) | INT-REL       | OFFRD WTHR | CRASH TYP | SPCL USE<br>TRLR QTY                       | MOVE<br>FROM | PRTC INJ | A S<br>G E LICNS | PED                 | ERROR   | ACTN EVENT | CAUSE |
|--------|----------------------|------------|------------------|--------------------|---------|---------------------|---------------|------------|-----------|--------------------------------------------|--------------|----------|------------------|---------------------|---------|------------|-------|
| INVEST | D C S L K TIME       | URBAN AREA | MILEPNT          | FIRST STREET       | DIRECT  | LEGS                | TRAF-<br>CNTL | RNDBT SURF | COLL TYP  | OWNER                                      | TO           | P#       | TYPE SVRTY       | E X RES             | LOC     |            |       |
|        |                      |            |                  |                    |         |                     |               |            |           | 02 NONE 0 TURN-L<br>PRVTE N E<br>PSNGR CAR |              | 01       | DRVR NONE        | 16 F OR-Y<br>OR<25  | 028     | 015        | 02    |
| 02176  | N N N N N 10/14/2007 | JACKSON    | 1 14             |                    | INTER   | 4-LEG               | N             | N CLR      | ANGL-OTH  | 01 NONE                                    | STRGHT       |          |                  |                     |         |            | 02    |
| CITY   | Sun                  | ASHLAND    | 0 0              | 00108              | CN      |                     | STOP SIGN     | N DRY      | ANGL      | PRVTE                                      | W E          |          |                  |                     |         | 000        | 00    |
|        | 6P                   | MEDFORD UA | 1.28             | SB EXTO ASHLAND ST | 03      | 0                   |               | N DUSK     | INJ       | MTRCYCLE                                   |              | 01       | DRVR INJB        | 30 M OR-Y<br>OR>25  | 000     | 000        | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           | 02 NONE                                    | STRGHT       |          |                  |                     |         |            | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           | PRVTE N S<br>PSNGR CAR                     |              | 01       | DRVR NONE        | 70 M OTH-Y<br>N-RES | 028,003 | 026        | 02,10 |
| 00935  | N N N N N 06/01/2008 | JACKSON    | 1 14             |                    | INTER   | 4-LEG               | N             | N CLR      | O-1TURN   | 01 NONE                                    | TURN-L       |          |                  |                     |         | 043        | 02    |
| CITY   | Sun                  | ASHLAND    | 0 0              | ASHLAND ST         | CN      |                     | NONE          | N DRY      | TURN      | PRVTE                                      | E SE         |          |                  |                     |         | 000        | 00    |
|        | 3P                   | MEDFORD UA | 1.28             | SB ENFR ASHLAND ST | 03      | 0                   |               | N DAY      | INJ       | PSNGR CAR                                  |              | 01       | DRVR NONE        | 46 M OR-Y<br>OR<25  | 004,028 | 000        | 02    |
|        |                      |            |                  |                    |         |                     |               |            |           |                                            |              | 02       | PSNG INJC        | 48 F                | 000     | 000        | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           | 02 NONE                                    | STRGHT       |          |                  |                     |         |            | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           | PRVTE W E<br>PSNGR CAR                     |              | 01       | DRVR NONE        | 37 M OTH-Y<br>N-RES | 000     | 000        | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           |                                            |              | 02       | PSNG NO<5        | 01 F                | 000     | 000        | 00    |
| 02932  | N N N 11/29/2003     | JACKSON    | 1 14             | 1                  | INTER   | CROSS               | N             | N CLR      | S-1STOP   | 01 NONE 0                                  | STRGHT       |          |                  |                     |         |            | 07    |
| NONE   | Sat                  | ASHLAND    | 6 0              | ASHLAND ST         | N       |                     | UNKNOWN       | N DRY      | REAR      | PRVTE N S                                  |              |          |                  |                     |         | 000        | 00    |
|        | 1P                   | ASHLAND UA | 1.28             | SB EXTO ASHLAND ST | 06      | 0                   |               | N DAY      | PDO       | PSNGR CAR                                  |              | 01       | DRVR NONE        | 56 M OR-Y<br>OR<25  | 026     | 000        | 07    |
|        |                      |            |                  |                    |         |                     |               |            |           | 02 NONE 0 STOP<br>PRVTE N S                |              |          |                  |                     |         |            | 00    |
|        |                      |            |                  |                    |         |                     |               |            |           | PSNGR CAR                                  |              | 01       | DRVR NONE        | 22 F OR-Y<br>OR<25  | 000     | 000        | 00    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR66 (Hwy 021) @ Main Street / Oak Knoll Drive  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| BACKING           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 3                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 3                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 8                        | 6                          | 14               | 0                | 10                | 0      | 13          | 1           | 12  | 2    | 14                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR66 (Hwy 021) @ Main Street / Oak Knoll Drive  
January 1, 2000 through December 31, 2009

| SER#         | INVEST | P<br>E L G C S | D<br>A U O H R K | R<br>S W | DATE | COUNTY                   | RD#<br>COMPNT<br>MLG TYP         | FC<br>TYP           | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL QTY<br>TRLR OWNER<br>VEH TYPE | MOVE<br>FROM TO      | P#     | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G E X | S<br>E<br>RES | LICNS<br>LOC  | PED<br>ERROR | ACTN       | EVENT | CAUSE             |
|--------------|--------|----------------|------------------|----------|------|--------------------------|----------------------------------|---------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|------------------------------------|----------------------|--------|--------------|--------------|------------|---------------|---------------|--------------|------------|-------|-------------------|
| 02022 CITY   |        | N              | N                | N        | N    | 07/17/2000<br>Mon<br>10A | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>UN<br>04          | CROSS<br><br>0                          | N<br><br>STOP SIGN       | N<br>CLD<br>N            | CLD<br>DRY<br>DAY     | ANGL-OTH<br>ANGL<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>NW SE           | STRGHT | 01           | DRVR         | NONE       | 19 M          | OR-Y<br>OR<25 | 000          | 000        |       | 03                |
|              |        |                |                  |          |      |                          |                                  |                     |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>SW NE           | STRGHT | 01           | DRVR         | INJC       | 67 F          | OR-Y<br>OR<25 | 021          | 015        |       | 03                |
| 02570 CITY   |        | N              | N                | N        | N    | 09/10/2002<br>Tue<br>6P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>SE<br>06          | 4-LEG<br><br>0                          | N<br><br>UNKNOWN         | N<br>CLR<br>N            | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>MTRCYCLE       | 0<br>SE NW           | STRGHT | 01           | DRVR         | INJB       | 48 M          | OR-Y<br>OR<25 | 043          | 000        |       | 07                |
|              |        |                |                  |          |      |                          |                                  |                     |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>SE NW           | STOP   | 01           | DRVR         | NONE       | 23 M          | OR-Y<br>OR<25 | 000          | 012        |       | 07                |
| 01370 NO RPT |        | N              | N                | N        | N    | 05/10/2001<br>Thu<br>7A  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>NW<br>06          | 4-LEG<br><br>0                          | N<br><br>UNKNOWN         | N<br>CLR<br>N            | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>NW SE           | STRGHT | 01           | DRVR         | NONE       | 68 M          | OR-Y<br>OR<25 | 026          | 000        |       | 07                |
|              |        |                |                  |          |      |                          |                                  |                     |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>NW SE           | STOP   | 01           | DRVR         | NONE       | 16 M          | OR-Y<br>OR<25 | 000          | 012        |       | 07                |
| 02112 CITY   |        | N              | N                | N        | N    | 11/21/2008<br>Fri<br>2P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>NW<br>06          | 4-LEG<br><br>2                          | N<br><br>NONE            | N<br>CLR<br>N            | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>NW SE           | STRGHT | 01           | DRVR         | NONE       | 16 M          | OR-Y<br>OR<25 | 043          | 000<br>038 |       | 07<br>00<br>07    |
|              |        |                |                  |          |      |                          |                                  |                     |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>NW SE           | STOP   | 01           | DRVR         | INJC       | 40 F          | OR-Y<br>OR<25 | 000          | 012<br>000 |       | 00<br>00          |
| 02669 NO RPT |        | N              | N                | N        |      | 12/29/2006<br>Fri<br>2P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>CN<br>01          | CROSS<br><br>2                          | N<br><br>STOP SIGN       | N<br>CLR<br>N            | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>SE NW           | STRGHT | 01           | DRVR         | NONE       | 65 M          | OR-Y<br>OR<25 | 010          | 000        |       | 02,10<br>00<br>10 |
|              |        |                |                  |          |      |                          |                                  |                     |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>TURN-R<br>N SW  | TURN-R | 01           | DRVR         | NONE       | 28 F          | OR-Y<br>OR<25 | 028          | 015<br>000 |       | 00<br>02          |
| 02296 CITY   |        | N              | N                | N        | N    | 12/01/2008<br>Mon<br>2P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.71 |                                         | INTER<br>CN<br>01          | 4-LEG<br><br>2                          | N<br><br>STOP SIGN       | N<br>CLR<br>N            | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR      | 0<br>TURN-R<br>NE NW | TURN-R | 01           | DRVR         | NONE       | 66 M          | OR-Y<br>OR<25 | 028          | 000<br>082 |       | 02<br>00<br>02    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

021 GREEN SPRINGS

OR66 (Hwy 021) @ Main Street / Oak Knoll Drive  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S<br>E<br>D<br>A<br>U<br>C<br>O<br>L<br>K | D<br>R<br>S<br>W<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | INT-TYP<br>RD CHAR<br>DIRECT<br>LOCTN | (MEDIAN)<br>LEGS<br>TRAF-<br>CNTL | INT-REL<br>RNDT<br>DRVMY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P#   | PTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>R<br>E<br>S | LICNS<br>RES | PED<br>LOC | ERROR | ACTN | EVENT | CAUSE |    |
|-------|--------|-------------------------------------------|---------------------------------------------------------------|------------------------------|-------------------------------------|-----------------------------------------------|---------------------------------------|-----------------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|------|-------------|--------------|------------------|-----------------------|--------------|------------|-------|------|-------|-------|----|
| 01054 | CITY   | N                                         | N                                                             | N                            | N                                   | 04/06/2001                                    | JACKSON                               | 1                                 | 14                       |                       | INTER                          | 4-LEG                                     | N                  | N    | CLD         | O-1TURN      | 01               | NONE                  | 0            | STRGHT     |       |      |       |       | 08 |
|       |        |                                           | Fri                                                           |                              | ASHLAND                             | 0 0                                           | ASHLAND ST                            | CN                                |                          |                       | UNKNOWN                        | N                                         | WET                | TURN |             |              |                  |                       |              |            |       |      |       |       |    |
|       |        |                                           | 1A                                                            |                              | ASHLAND UA                          | 1.71                                          | MANZANITA ST                          | 02                                |                          | 0                     |                                | N                                         | DLIT               | PDO  |             |              |                  |                       |              |            |       | 000  |       |       |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | SE NW        | 01               | DRVR                  | NONE         | 43         | F     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  |       | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | SE NW        | 01               | DRVR                  | NONE         | 46         | M     | OR-Y |       |       | 08 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR>25 | 000  |       |       |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | TURN-L      | NW N         | 01               | DRVR                  | NONE         | 17         | M     | OR-Y |       |       | 08 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 004  |       |       |    |
| 00581 | NO RPT | N                                         | N                                                             | N                            | N                                   | 03/22/2001                                    | JACKSON                               | 1                                 | 14                       |                       | INTER                          | 4-LEG                                     | N                  | N    | CLR         | ANGL-OTH     | 01               | NONE                  | 0            | STRGHT     |       |      |       |       | 02 |
|       |        |                                           | Thu                                                           |                              | ASHLAND                             | 0 0                                           | ASHLAND ST                            | CN                                |                          |                       | STOP SIGN                      | N                                         | DRY                | ANGL |             |              |                  |                       |              |            |       |      |       |       |    |
|       |        |                                           | 12P                                                           |                              | ASHLAND UA                          | 1.71                                          | E MAIN ST                             | 04                                |                          | 0                     |                                | N                                         | DAY                | INJ  |             |              |                  |                       |              |            |       | 028  | 015   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 02    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                |                                           |                    |      |             |              |                  |                       |              |            |       | 000  | 000   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | S N          | 01               | DRVR                  | INJC         | 15         | F     |      |       | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | SW NE        | 01               | DRVR                  | INJC         | 19         | F     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 00    |    |
| 02013 | NO RPT | N                                         | N                                                             | N                            |                                     | 10/17/2009                                    | JACKSON                               | 1                                 | 14                       |                       | INTER                          | CROSS                                     | N                  | N    | CLR         | ANGL-OTH     | 01               | NONE                  | 0            | STRGHT     |       |      |       |       | 02 |
|       |        |                                           | Sat                                                           |                              | ASHLAND                             | 0 0                                           | ASHLAND ST                            | CN                                |                          |                       | STOP SIGN                      | N                                         | DRY                | ANGL |             |              |                  |                       |              |            |       |      |       |       |    |
|       |        |                                           | 5P                                                            |                              | MEDFORD UA                          | 1.71                                          | OAK KNOLL DR                          | 04                                |                          | 0                     |                                | N                                         | DAY                | INJ  |             |              |                  |                       |              |            |       | 028  | 015   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 02    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | SE NW        | 01               | DRVR                  | INJC         | 62         | M     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               | 0    | STRGHT      | SE NW        | 01               | DRVR                  | INJC         | 68         | F     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 00    |    |
| 01456 | NO RPT | N                                         | N                                                             | N                            |                                     | 07/01/2006                                    | JACKSON                               | 1                                 | 14                       |                       | INTER                          | 3-LEG                                     | N                  | N    | CLR         | S-1STOP      | 01               | NONE                  |              | STRGHT     |       |      |       |       | 07 |
|       |        |                                           | Sat                                                           |                              | ASHLAND                             | 0 0                                           | ASHLAND ST                            | SE                                |                          |                       | UNKNOWN                        | N                                         | DRY                | REAR |             |              |                  |                       |              |            |       |      |       |       |    |
|       |        |                                           | 9A                                                            |                              | MEDFORD UA                          | 1.72                                          | OAK KNOLL DR                          | 06                                |                          | 1                     |                                | N                                         | DAY                | INJ  |             |              |                  |                       |              |            |       | 026  | 000   | 07    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 01                                        | NONE               |      | STRGHT      | SE NW        | 01               | DRVR                  | NONE         | 50         | F     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 07    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | NONE               |      | STOP        | SE NW        | 01               | DRVR                  | NONE         | 57         | M     | OR-Y |       |       | 00 |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                |                                           |                    |      |             |              |                  |                       |              |            |       | 000  | 000   | 00    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | 02                                        | PSNG               | INJC | 58          | F            |                  |                       |              |            |       | 000  | 000   | 00    |    |
| 01753 | CITY   | N                                         | N                                                             | N                            |                                     | 08/20/2005                                    | JACKSON                               | 1                                 | 14                       |                       | INTER                          | 4-LEG                                     | N                  | N    | CLR         | S-1STOP      | 01               | NONE                  | 0            | STRGHT     |       |      |       |       | 07 |
|       |        |                                           | Sat                                                           |                              | ASHLAND                             | 0 0                                           | ASHLAND ST                            | CN                                |                          |                       | STOP SIGN                      | N                                         | DRY                | REAR |             |              |                  |                       |              |            |       |      |       |       |    |
|       |        |                                           | 11A                                                           |                              | MEDFORD UA                          | 1.72                                          | OAK KNOLL DR                          | 02                                |                          | 0                     |                                | N                                         | DAY                | INJ  |             |              |                  |                       |              |            |       | 026  | 000   | 07    |    |
|       |        |                                           |                                                               |                              |                                     |                                               |                                       |                                   |                          |                       |                                | PSNGR                                     | CAR                |      |             |              |                  |                       |              |            | OR<25 | 000  | 000   | 07    |    |



OR66 (Hwy 021) @ Main Street / Oak Knoll Drive  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S D P R S W E A U C O DATE CLASS CITY STREET RD CHAR INT-TYP INT-REL OFF-RD WTHR CRASH TYP SPCL USE TRLR QTY MOVE |                 |                                 |                          | V#      | VEH TYPE                   | P#                | PRTC TYPE      | INJ SVR TY     | A G E X                   | S E LICNS RES          | PED LOC                          | ERROR           | ACTN | EVENT | CAUSE |                                |                       |                     |                 |                        |                |              |
|-----------------|--------|-------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------|--------------------------|---------|----------------------------|-------------------|----------------|----------------|---------------------------|------------------------|----------------------------------|-----------------|------|-------|-------|--------------------------------|-----------------------|---------------------|-----------------|------------------------|----------------|--------------|
|                 |        | DATE DAY TIME                                                                                                     | CLASS DIST FROM | CITY FIRST STREET SECOND STREET | RD CHAR DIRECT LOCTN     |         |                            |                   |                |                |                           |                        |                                  |                 |      |       |       | INT-TYP (MEDIAN) LEGS (#LANES) | INT-REL TRAF- CONTL   | OFF-RD RND BT DRVWY | WTHR SURF LIGHT | CRASH COLL TYPE SVR TY | SPCL USE OWNER | MOVE FROM TO |
|                 |        |                                                                                                                   |                 |                                 |                          |         |                            |                   |                |                |                           |                        |                                  |                 |      |       |       |                                |                       |                     |                 |                        |                |              |
| 00861<br>NONE   | N N N  |                                                                                                                   |                 |                                 | 04/15/2003<br>Tue<br>4P  | 19<br>0 | ASHLAND ST<br>OAK KNOLL DR | INTER<br>SW<br>06 | 3-LEG<br><br>0 | N<br>STOP SIGN | N<br>CLR<br>N DRY<br>DAY  | O-1STOP<br>BACK<br>INJ | 01<br>NONE<br>PRVTE<br>PSNGR CAR | BACK<br>NE SW   |      | 01    | DRVR  | NONE                           | 79 M<br>OR-Y<br>OR<25 |                     | 011             | 000<br>000             | 10<br>00<br>10 |              |
|                 |        |                                                                                                                   |                 |                                 |                          |         |                            |                   |                |                |                           |                        | 02<br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>SW NE   |      | 01    | DRVR  | INJC                           | 72 M<br>OR-Y<br>OR<25 |                     | 000             | 011<br>000             | 00<br>00<br>00 |              |
| 01111<br>NONE   | N N N  |                                                                                                                   |                 |                                 | 05/06/2006<br>Sat<br>12P | 17<br>0 | ASHLAND ST<br>OAK KNOLL DR | INTER<br>SW<br>06 | 3-LEG<br><br>0 | N<br>UNKNOWN   | N<br>CLR<br>N DRY<br>DAY  | S-1TURN<br>REAR<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SW NE |      | 01    | DRVR  | NONE                           | 65 M<br>OR-Y<br>OR<25 |                     | 026             | 000<br>000             | 07<br>00<br>07 |              |
|                 |        |                                                                                                                   |                 |                                 |                          |         |                            |                   |                |                |                           |                        | 02<br>NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>SW NW |      | 01    | DRVR  | NONE                           | 45 F<br>OR-Y<br>OR<25 |                     | 000             | 013<br>000             | 00<br>00<br>00 |              |
| 02424<br>NO RPT | N N N  |                                                                                                                   |                 |                                 | 11/19/2004<br>Fri<br>5P  | 14<br>0 | MAIN ST<br>MAIN ST         | INTER<br>NW<br>06 | 3-LEG<br><br>1 | N<br>UNKNOWN   | N<br>CLR<br>N DRY<br>DLIT | S-1STOP<br>REAR<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE |      | 01    | DRVR  | NONE                           | 55 M<br>OR-Y<br>OR<25 |                     | 026             | 000<br>000             | 07<br>00<br>07 |              |
|                 |        |                                                                                                                   |                 |                                 |                          |         |                            |                   |                |                |                           |                        | 02<br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NW SE   |      | 01    | DRVR  | NONE                           | 64 M<br>OR-Y<br>OR<25 |                     | 000             | 011 004<br>000         | 00<br>00<br>00 |              |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 3                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 5                 | 1      | 2           | 1           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 4                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 5                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 3                        | 0                          | 3                | 0                | 3                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 1                | 1                        | 0                          | 2                | 1                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2004 TOTAL        | 1                | 1                        | 1                          | 3                | 1                | 1                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 2           | 1           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| FINAL TOTAL       | 1                | 11                       | 8                          | 20               | 1                | 18                | 1      | 15          | 5           | 18  | 2    | 20                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

021 GREEN SPRINGS

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

021 GREEN SPRINGS

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| SER#          | S D<br>P R S W<br>E A U C O<br>E L G H R DAY<br>INVEST D C S L K TIME | DATE       | COUNTY<br>CITY<br>URBAN AREA     | RD# FC<br>COMPNT<br>MLG TYP<br>MILEPNT | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(#LANES)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD WTHR<br>RNDBT SURF<br>DRVWY LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC INJ<br>TYPE SVRTY | A S<br>G E LICNS<br>E X RES | PED<br>LOC<br>ERROR | ACTN    | EVENT      | CAUSE                 |    |
|---------------|-----------------------------------------------------------------------|------------|----------------------------------|----------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|-----------------------------------------|--------------------------------|-------------------------------------------|--------------------|----|------------------------|-----------------------------|---------------------|---------|------------|-----------------------|----|
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0 STOP<br>W E      |    | 01 DRVR NONE           | 00 M UNK<br>UNK             |                     | 000     | 011        | 004                   |    |
| 00095<br>CITY | N N N<br>Tue<br>2P                                                    | 01/28/2003 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.04                    | ASHLAND ST<br>TOLMAN CREEK RD           | INTER<br>W<br>06           | CROSS<br>0                              | N<br>TRF SIGNAL          | N CLR<br>N DRY<br>N DAY                 | S-1TURN<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>W E      |    | 01 DRVR NONE           | 16 F OR-Y<br>OR<25          |                     | 026     | 000<br>000 | 004<br>10<br>00<br>10 |    |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>W E        |    | 01 DRVR INJC           | 49 F OR-Y<br>OR<25          |                     | 000     | 011<br>000 | 004<br>00             | 00 |
| 01695<br>CITY | N N N N N<br>Wed<br>3P                                                | 09/30/2009 | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.04                    | ASHLAND ST<br>TOLMAN CREEK RD           | INTER<br>W<br>06           | CROSS<br>0                              | N<br>TRF SIGNAL          | N CLR<br>N DRY<br>N DAY                 | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>W E      |    | 01 DRVR INJB           | 87 M OR-Y<br>OR<25          |                     | 043     | 000<br>000 | 013<br>07<br>00<br>07 |    |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>W E        |    | 01 DRVR INJC           | 28 F OR-Y<br>OR>25          |                     | 000     | 011<br>000 | 013<br>00             | 00 |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                |                                           |                    |    | 02 PSNG INJB           | 26 M                        |                     | 000     | 000        | 00                    | 00 |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 03 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>W E        |    | 01 DRVR NONE           | 18 F OR-Y<br>OR<25          |                     | 000     | 011<br>000 | 00<br>00              | 00 |
| 01235<br>CITY | N N N<br>Tue<br>9P                                                    | 06/28/2005 | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>1.04                    | ASHLAND ST<br>TOLMAN CREEK RD           | INTER<br>CN<br>01          | CROSS<br>0                              | N<br>TRF SIGNAL          | N CLR<br>N DRY<br>N DLIT                | ANGL-OTH<br>ANGL<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>N S      |    | 01 DRVR INJC           | 23 F OR-Y<br>OR<25          |                     | 020,028 | 088<br>000 | 04<br>00<br>04        |    |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>E W      |    | 01 DRVR NONE           | 44 M OR-Y<br>OR<25          |                     | 000     | 000<br>000 | 00<br>00              | 00 |
| 02071<br>CITY | N N N N N<br>Sat<br>7P                                                | 07/13/2002 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>1.04                    | ASHLAND ST<br>TOLMAN CREEK RD           | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>TRF SIGNAL          | N RAIN<br>N WET<br>N DAY                | ANGL-OTH<br>ANGL<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>S N      |    | 01 DRVR INJB           | 22 F OR-Y<br>OR<25          |                     | 028     | 000        | 02<br>02              |    |
|               |                                                                       |            |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>E W      |    | 01 DRVR NONE           | 65 M OR-Y<br>OR<25          |                     | 000     | 000        |                       |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

021 GREEN SPRINGS

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| SER#  | INVEST    | S<br>E<br>D<br>A<br>U<br>C<br>O<br>L<br>G<br>H<br>R<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>DATE | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | INT-TYP<br>DIRECT<br>LOCTN | (MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC | PED<br>ERROR | ACTN<br>EVENT | CAUSE |
|-------|-----------|-------------------------------------------------------------------------|--------------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|---------------|--------------|--------------|---------------|-------|
| 02256 | N N N N N |                                                                         | 11/30/2009               | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                        | N                        |                          | N CLR                 | S-1TURN                        | 01 NONE                                   | 1 TURN-R           |    |              |              |                  |               |              |              |               | 08    |
| CITY  |           |                                                                         | Mon                      | ASHLAND                      | 0 0                                 | ASHLAND ST                                    | CN                         |                              | TRF SIGNAL               | N ICE                    | TURN                  |                                | PRVTE                                     | E N                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         | 7A                       | MEDFORD UA                   | 1.04                                | TOLMAN CREEK RD                               | 02                         | 0                            |                          | N DAY                    | PDO                   |                                | SEMI TOW                                  |                    | 01 | DRVR         | NONE         | 50 M             | OR-Y          | OR-?         | 006          | 000           | 02    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | 02 NONE                                   | 0 STRGHT           |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PRVTE                                     | E W                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 74 M             | OR-Y          | OR<25        | 000          | 000           | 00    |
| 01152 | N N N     |                                                                         | 06/11/2004               | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                        | N                        |                          | N CLR                 | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               | 04    |
| CITY  |           |                                                                         | Fri                      | ASHLAND                      | 0 0                                 | ASHLAND ST                                    | CN                         |                              | TRF SIGNAL               | N DRY                    | ANGL                  |                                | PRVTE                                     | W E                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         | 7P                       | ASHLAND UA                   | 1.04                                | TOLMAN CREEK RD                               | 03                         | 0                            |                          | N DAY                    | PDO                   |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 41 M             | OR-Y          | OR<25        | 020          | 026           | 04    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | 02 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PRVTE                                     | N S                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 16 M             | OR-Y          | OR<25        | 000          | 000           | 00    |
| 00195 | N N N     |                                                                         | 01/13/2005               | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                        | N                        |                          | N CLD                 | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               | 04    |
| CITY  |           |                                                                         | Thu                      | ASHLAND                      | 0 0                                 | ASHLAND ST                                    | CN                         |                              | TRF SIGNAL               | N ICE                    | ANGL                  |                                | PRVTE                                     | N S                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         | 8A                       | MEDFORD UA                   | 1.04                                | TOLMAN CREEK RD                               | 03                         | 0                            |                          | N DAY                    | INJ                   |                                | PSNGR CAR                                 |                    | 01 | DRVR         | INJC         | 47 F             | OR-Y          | OR<25        | 000          | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | 02 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PRVTE                                     | W E                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 32 M             | OR-Y          | OR<25        | 020          | 000           | 04    |
| 00109 | N N N     |                                                                         | 01/17/2006               | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                        | N                        |                          | N RAIN                | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               | 013   |
| CITY  |           |                                                                         | Tue                      | ASHLAND                      | 0 0                                 | ASHLAND ST                                    | CN                         |                              | TRF SIGNAL               | N WET                    | ANGL                  |                                | PRVTE                                     | N S                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         | 6P                       | MEDFORD UA                   | 1.04                                | TOLMAN CREEK RD                               | 03                         | 0                            |                          | N DLIT                   | INJ                   |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 49 F             | OR-Y          | OR<25        | 000          | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | 02 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PRVTE                                     | W E                |    |              |              |                  |               |              |              | 000           | 013   |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | INJC         | 21 F             | OTH-Y         | N-RES        | 020          | 000           | 04    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | 03 NONE                                   | TURN-R             |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PRVTE                                     | S E                |    |              |              |                  |               |              |              | 022           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | INJC         | 35 F             | OR-Y          | OR<25        | 000          | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                |                                           |                    |    |              |              |                  |               |              |              |               |       |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                |                                           |                    |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                |                                           |                    |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         |                          |                              |                                     |                                               |                            |                              |                          |                          |                       |                                |                                           |                    |    |              |              |                  |               |              |              |               |       |
| 01123 | N N N N N |                                                                         | 06/17/2009               | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                        | N                        |                          | N CLR                 | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |               | 010   |
| CITY  |           |                                                                         | Wed                      | ASHLAND                      | 0 0                                 | ASHLAND ST                                    | CN                         |                              | TRF SIGNAL               | N DRY                    | ANGL                  |                                | PRVTE                                     | W E                |    |              |              |                  |               |              |              | 000           | 00    |
|       |           |                                                                         | 5P                       | MEDFORD UA                   | 1.04                                | TOLMAN CREEK RD                               | 03                         | 0                            |                          | N DAY                    | INJ                   |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 61 F             | OR-Y          | OR<25        | 020          | 000           | 04    |

021 GREEN SPRINGS

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR66 (Hwy 021) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| SER#<br>INVEST | S D<br>P R S W<br>E A U C O<br>L G H R |    |          |    | DATE<br>DAY<br>TIME | CLASS<br>DIST<br>FROM | CITY STREET<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE |              | MOVE<br>FROM<br>TO | A S          |       |  | PED<br>LOC | ERROR | ACTN | EVENT | CAUSE |
|----------------|----------------------------------------|----|----------|----|---------------------|-----------------------|----------------------------------------------|----------------------------|-----------------------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|----------|--------------|--------------------|--------------|-------|--|------------|-------|------|-------|-------|
|                | TRLR QTY<br>OWNER<br>VEH TYPE          | V# | VEH TYPE | P# |                     |                       |                                              |                            |                                         |                           |                          |                       |                                | TYPE     | INJ<br>SVRTY |                    | G E<br>X RES | LICNS |  |            |       |      |       |       |
|                |                                        |    |          |    |                     |                       |                                              |                            |                                         |                           |                          |                       |                                |          |              |                    |              |       |  |            |       |      |       |       |

|               |   |   |   |   |   |                          |         |                               |                  |            |                 |        |                   |                        |                                  |        |               |            |      |         |                    |     |            |  |                |
|---------------|---|---|---|---|---|--------------------------|---------|-------------------------------|------------------|------------|-----------------|--------|-------------------|------------------------|----------------------------------|--------|---------------|------------|------|---------|--------------------|-----|------------|--|----------------|
| 00214<br>NONE | N | N | N | N | N | 01/17/2002<br>Thu<br>12P | 19<br>0 | ASHLAND ST<br>TOLMAN CREEK RD | INTER<br>S<br>06 | CROSS<br>0 | N<br>UNKNOWN    | N<br>N | CLR<br>DRY<br>DAY | S-1STOP<br>REAR<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR | 0<br>N | STRGHT<br>N S | 01<br>DRVR | NONE | 43<br>F | S<br>OR-Y<br>OR<25 | 026 | 000        |  | 10<br>10       |
|               |   |   |   |   |   |                          |         |                               |                  |            |                 |        |                   |                        | 02<br>NONE<br>PRVTE<br>PSNGR CAR | 0<br>N | STOP<br>N S   | 01<br>DRVR | NONE | 00<br>U | UNK<br>UNK         | 000 | 012        |  |                |
| 01955<br>NONE | N | N | N |   |   | 07/16/2003<br>Wed<br>2P  | 17<br>0 | ASHLAND ST<br>TOLMAN CREEK RD | INTER<br>S<br>06 | CROSS<br>0 | N<br>TRF SIGNAL | N<br>N | CLR<br>DRY<br>DAY | S-1STOP<br>REAR<br>PDO | 01<br>NONE<br>PRVTE<br>PSNGR CAR |        | STRGHT<br>S N | 01<br>DRVR | NONE | 55<br>M | S<br>OR-Y<br>OR<25 | 026 | 000<br>000 |  | 10<br>00<br>10 |
|               |   |   |   |   |   |                          |         |                               |                  |            |                 |        |                   |                        | 02<br>NONE<br>PRVTE<br>PSNGR CAR |        | STOP<br>S N   | 01<br>DRVR | NONE | 52<br>F | S<br>OR-Y<br>OR>25 | 000 | 011<br>000 |  | 00<br>00       |
| 00991<br>NONE | N | N | N |   |   | 05/11/2006<br>Thu<br>7P  | 17<br>0 | ASHLAND ST<br>TOLMAN CREEK RD | INTER<br>S<br>06 | CROSS<br>0 | N<br>TRF SIGNAL | N<br>N | CLR<br>DRY<br>DAY | S-1STOP<br>REAR<br>INJ | 01<br>NONE<br>PRVTE<br>PSNGR CAR |        | STRGHT<br>S N | 01<br>DRVR | NONE | 00<br>M | UNK<br>OR>25       | 026 | 000<br>000 |  | 10<br>00<br>10 |
|               |   |   |   |   |   |                          |         |                               |                  |            |                 |        |                   |                        | 02<br>NONE<br>PRVTE<br>MTRCYCLE  |        | STOP<br>S N   | 01<br>DRVR | INJB | 59<br>M | S<br>OR-Y<br>OR<25 | 000 | 011<br>000 |  | 00<br>00       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Helman Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2007           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2007 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| YEAR: 2005           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2002           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| 2002 TOTAL           | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| FINAL TOTAL          | 0                | 2                        | 3                          | 5                | 0                | 3                 | 0      | 5           | 0           | 3   | 2    | 5                 | 0                            | 1            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR 99 (Hwy 063) @ Helman Street  
January 1, 2000 through December 31, 2009

| SER#              | P E L D C S | R A U G H R K | D O DATE TIME      | COUNTY CITY URBAN AREA     | RD# COMPNT MLG MILEPNT | FC TYP | CONN # FIRST SECOND STREET | RD CHAR DIRECT LOCTN | INT-TYP (MEDIAN LEGS (#LANES) | INT-REL TRAF-CNTL | OFFRD RNDDBT DRVWY | WTHR SURF LIGHT  | CRASH COLL TYP SVRTY    | SPCL USE TRLR QTY OWNER VEH TYPE | MOVE FROM TO | P#   | PRTC INJ TYPE SVRITY | A G E X | S E LICNS RES | PED LOC | ERROR                   | ACTN           | EVENT | CAUSE |
|-------------------|-------------|---------------|--------------------|----------------------------|------------------------|--------|----------------------------|----------------------|-------------------------------|-------------------|--------------------|------------------|-------------------------|----------------------------------|--------------|------|----------------------|---------|---------------|---------|-------------------------|----------------|-------|-------|
| 01028 CITY INVEST | Y N N N N   | N N N N N     | 04/09/2002 Tue 8P  | JACKSON ASHLAND ASHLAND UA | 1 14 0 0 19.03         |        | HELMAN ST E MAIN ST        | INTER SE 06          | 3-LEG 0                       | N TRF SIGNAL      | N CLD DRY DUSK     | S-1STOP REAR INJ | 01 NONE PRVTE PSNGR CAR | 0 STRGHT SE NW                   | 01 DRVR      | NONE | 00 U UNK UNK         | 026     |               | 000     |                         | 01 01 01       |       |       |
|                   |             |               |                    |                            |                        |        |                            |                      |                               |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 STOP SE NW                     | 01 DRVR      | INJA | 22 F OR-Y OR<25      | 000     |               | 011     |                         |                |       |       |
|                   |             |               |                    |                            |                        |        |                            |                      |                               |                   |                    |                  |                         |                                  | 02 PSNG      | INJB | 26 F                 |         |               |         |                         |                |       |       |
| 02489 NO RPT      | N N N N N   | N N N N N     | 09/23/2002 Mon 10A | JACKSON ASHLAND ASHLAND UA | 1 14 0 0 19.03         |        | HELMAN ST E MAIN ST        | INTER NW 06          | 3-LEG 0                       | N TRF SIGNAL      | N CLR DRY DAY      | S-1STOP REAR INJ | 01 NONE PRVTE PSNGR CAR | 0 STRGHT NW SE                   | 01 DRVR      | NONE | 46 F OR-Y OR<25      | 026     |               | 000     |                         | 07 07          |       |       |
|                   |             |               |                    |                            |                        |        |                            |                      |                               |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 STOP NW SE                     | 01 DRVR      | INJC | 40 F OR-Y OR<25      | 000     |               | 011     |                         |                |       |       |
| 01521 CITY        | N N N       |               | 07/26/2005 Tue 7P  | JACKSON ASHLAND MEDFORD UA | 2 14 1 0 19.02         |        | HELMAN ST LITHIA WAY       | INTER NW 06          | 3-LEG 0                       | N TRF SIGNAL      | N CLR DRY DAY      | FIX OBJ FIX PDO  | 01 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR      | NONE | 24 M OR-Y OR>25      | 081     |               | 007 038 | 040,053,092 040,053,092 | 10,26,27 26 10 |       |       |
| 02237 NONE        | N N N       |               | 10/29/2004 Fri 7P  | JACKSON ASHLAND MEDFORD UA | 1 14 1 0 19.03         |        | HELMAN ST E MAIN ST        | INTER CN 04          | 3-LEG 0                       | N TRF SIGNAL      | N CLR DRY DLIT     | S-1STOP REAR PDO | 01 NONE PRVTE PSNGR CAR | 0 STRGHT SE NW                   | 01 DRVR      | NONE | 20 F OR-Y OR<25      | 026     |               | 000 000 |                         | 07 00 07       |       |       |
|                   |             |               |                    |                            |                        |        |                            |                      |                               |                   |                    |                  | 02 NONE PRVTE PSNGR CAR | 0 STOP SE NW                     | 01 DRVR      | NONE | 00 M UNK UNK         | 000     |               | 011 000 |                         | 00 00          |       |       |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 99 (Hwy 063) @ Helman Street  
January 1, 2000 through December 31, 2009

| SER#   | S D       |       | DATE       | CLASS | CITY STREET   | RD CHAR | INT-TYP  |            |        |       |           | SPCL USE |           |        | A S | PED  | ERROR | ACTN | EVENT | CAUSE |       |             |         |         |      |              |               |        |          |          |       |       |       |       |       |          |     |
|--------|-----------|-------|------------|-------|---------------|---------|----------|------------|--------|-------|-----------|----------|-----------|--------|-----|------|-------|------|-------|-------|-------|-------------|---------|---------|------|--------------|---------------|--------|----------|----------|-------|-------|-------|-------|-------|----------|-----|
|        | P         | R S W |            |       |               |         | (MEDIAN) | INT-REL    | OFF-RD | WTHR  | CRASH TYP | VEH TYPE | VEH TYPE  | MOVE   |     |      |       |      |       |       | PRTC  | INJ         | G E     | LICNS   |      |              |               |        |          |          |       |       |       |       |       |          |     |
|        | E         | U C O |            |       |               |         |          |            |        |       |           |          |           |        |     |      |       |      |       |       |       |             |         |         | LEGS | TRAF-        | RNDBT         | SURF   | COLL TYP | OWNER    | FROM  | TO    | P#    | TYPE  | SVRTY | E X      | RES |
|        | E L G H R | DAY   |            |       |               |         |          |            |        |       |           |          |           |        |     |      |       |      |       |       |       |             |         |         | DIST | FIRST STREET | SECOND STREET | DIRECT | LOCTN    | (#LANES) | CONTL | DRVWY | LIGHT | SVRTY | V#    | VEH TYPE | TO  |
| INVEST | C         | L K   | TIME       | FROM  | SECOND STREET | LOCTN   | (#LANES) | CONTL      | DRVWY  | LIGHT | SVRTY     | V#       | VEH TYPE  | TO     | P#  | TYPE | SVRTY | E X  | RES   | LOC   | ERROR | ACTN        | EVENT   | CAUSE   |      |              |               |        |          |          |       |       |       |       |       |          |     |
| 02099  | Y         | N N   | 10/31/2007 | 17    | HELMAN ST     | INTER   | 3-LEG    | N          | Y      | CLR   | FIX OBJ   | 01       | NONE      | TURN-L |     |      |       |      |       |       |       |             | 040,055 | 33      |      |              |               |        |          |          |       |       |       |       |       |          |     |
| NO RPT |           |       | Wed        | 0     | E MAIN ST     | NE      |          | TRF SIGNAL | N      | DRY   | FIX       |          | PRVTE     | NW NE  |     |      |       |      |       |       |       |             | 000     | 040,055 | 00   |              |               |        |          |          |       |       |       |       |       |          |     |
|        |           |       | 5P         |       |               | 06      | 0        |            | N      | DAY   | PDO       |          | PSNGR CAR |        | 01  | DRVR | NONE  | 16   | M     | OR-Y  |       | 081,051,047 | 017     |         | 33   |              |               |        |          |          |       |       |       |       |       |          |     |
|        |           |       |            |       |               |         |          |            |        |       |           |          |           |        |     |      |       |      |       | OR<25 |       |             |         |         |      |              |               |        |          |          |       |       |       |       |       |          |     |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 3                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| BACKING           | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 0                        | 4                          | 4                | 0                | 0                 | 0      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 2                        | 2                          | 4                | 0                | 2                 | 0      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 4                        | 3                          | 7                | 0                | 5                 | 0      | 6           | 1           | 7   | 0    | 7                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 2                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 3                        | 3                          | 6                | 0                | 3                 | 0      | 5           | 1           | 5   | 1    | 6                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 4                        | 4                          | 8                | 0                | 6                 | 0      | 7           | 1           | 7   | 1    | 8                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 2                        | 1                          | 3                | 0                | 3                 | 0      | 2           | 1           | 3   | 0    | 3                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 3                          | 3                | 0                | 0                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 2                        | 4                          | 6                | 0                | 3                 | 0      | 5           | 1           | 6   | 0    | 6                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 2                        | 4                          | 6                | 0                | 2                 | 0      | 5           | 1           | 5   | 1    | 6                 | 0                            | 0            |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| FINAL TOTAL    | 0                | 19                       | 23                         | 42               | 0                | 25                | 0      | 37          | 5           | 38  | 4    | 42                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

[illegible]

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| S D            |           |      | P R S W |            |         | RD# FC       |               |        | INT-TYP |          |            | SPCL USE |      |          |          |          |       |         |    |           |            |       |     |           |       |      |          |       |  |      |  |  |     |  |  |         |  |  |     |  |  |       |  |  |            |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| E A U C O DATE |           |      | COUNTY  |            |         | COMPNT       |               |        | CONN #  |          |            | RD CHAR  |      |          | (MEDIAN) |          |       | INT-REL |    |           | OFFRD WTHR |       |     | CRASH TYP |       |      | TRLR QTY |       |  | MOVE |  |  | A S |  |  | E LICNS |  |  | PED |  |  | ERROR |  |  | ACTN EVENT |  |  | CAUSE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SER#           | E L G H R | DATE | CITY    | URBAN AREA | MLG TYP | FIRST STREET | SECOND STREET | DIRECT | LOCTN   | (#LANES) | TRAF- CNTL | RND BT   | SURF | COLL TYP | V#       | VEH TYPE | OWNER | FROM TO | P# | PRTC TYPE | INJ SVRITY | G E X | RES | LOC       | ERROR | ACTN | EVENT    | CAUSE |  |      |  |  |     |  |  |         |  |  |     |  |  |       |  |  |            |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| INVEST         | D C S L K | TIME |         |            | MILEPNT |              |               |        |         |          |            |          |      |          |          |          |       |         |    |           |            |       |     |           |       |      |          |       |  |      |  |  |     |  |  |         |  |  |     |  |  |       |  |  |            |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#         | INVEST    | P E I NVEST | D A U C S L K | R S W DATE TIME    | COUNTY CITY URBAN AREA     | RD# COMPNT MLG MILEPNT | FC TYP FIRST STREET SECOND STREET | INT-TYP (MEDIAN) TRAF-LEGS (#LANES) | INT-REL CNTRL | OFFRDRNDDBT DRVWY | WTHRSURF LIGHT     | CRASH COLL SVRTY        | TYP            | SPCL USE TLRL QTY OWNER VEH TYPE | MOVE FROM TO | P# | PRTC INJ G E LICNS PED LOC ERROR | ACTN EVENT | CAUSE   |          |
|--------------|-----------|-------------|---------------|--------------------|----------------------------|------------------------|-----------------------------------|-------------------------------------|---------------|-------------------|--------------------|-------------------------|----------------|----------------------------------|--------------|----|----------------------------------|------------|---------|----------|
| 01390 CITY   | N N N     |             |               | 07/09/2004 Fri 2P  | JACKSON ASHLAND MEDFORD UA | 1 14 0 0 18.64         | HERSEY ST MAIN ST                 | CROSS                               | N UNKNOWN     | N CLR N DAY       | S-1STOP REAR PDO   | 01 NONE PRVTE PSNGR CAR | STRGHT NW SE   |                                  |              | 01 | DRVR NONE 23 M OR-Y OR<25        | 043        | 000 000 | 07 00 07 |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    | 02 NONE PRVTE PSNGR CAR | STOP NW SE     |                                  |              | 01 | DRVR NONE 61 F OR-Y OR<25        | 000        | 012 000 | 00 00    |
| 02092 NO RPT | N N N     |             |               | 10/02/2005 Sun 10A | JACKSON ASHLAND MEDFORD UA | 1 14 0 0 18.64         | HERSEY ST MAIN ST                 | CROSS                               | N UNKNOWN     | N CLR N DAY       | S-1STOP REAR INJ   | 01 NONE PRVTE PSNGR CAR | STRGHT NW SE   |                                  |              | 01 | DRVR NONE 24 M OR-Y OR>25        | 026        | 000 000 | 07 00 07 |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    | 02 NONE PRVTE PSNGR CAR | STOP NW SE     |                                  |              | 01 | DRVR INJC 23 F OR-Y OR<25        | 000        | 012 000 | 00 00    |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    |                         |                |                                  |              | 02 | PSNG INJB 16 F OR-Y OR<25        | 000        | 000     | 00 00    |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    |                         |                |                                  |              | 03 | PSNG NO<5 01 M                   | 000        | 000     | 00 00    |
| 00768 CITY   | N N N N N |             |               | 03/07/2000 Tue 10A | JACKSON ASHLAND ASHLAND UA | 1 14 0 0 18.64         | MAIN ST WIMER ST                  | 4-LEG                               | N UNKNOWN     | N CLD N DAY       | O-1TURN TURN PDO   | 01 NONE PRVTE PSNGR CAR | 0 STRGHT NW SE |                                  |              | 01 | DRVR NONE 22 F OR-Y OR>25        | 000        | 000     | 02       |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    | 02 NONE PRVTE PSNGR CAR | TURN-L SE W    |                                  |              | 01 | DRVR NONE 42 F OR-Y OR<25        | 000        | 000     | 02       |
| 01435 CITY   | N N N N N |             |               | 06/07/2001 Thu 12P | JACKSON ASHLAND ASHLAND UA | 1 14 0 0 18.64         | HERSEY ST MAIN ST                 | CROSS                               | N STOP SIGN   | N CLR N DAY       | ANGL-O-TH TURN PDO | 01 NONE PRVTE PSNGR CAR | 0 TURN-L NE SE |                                  |              | 01 | DRVR NONE 67 F OR-Y OR<25        | 028        | 015     | 02 02    |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    | 02 NONE PRVTE PSNGR CAR | STRGHT SE NW   |                                  |              | 01 | DRVR NONE 47 M OR-Y OR<25        | 000        | 000     |          |
| 02235 NO RPT | N N N     |             |               | 08/18/2003 Mon 9A  | JACKSON ASHLAND ASHLAND UA | 1 14 0 0 18.64         | MAIN ST WIMER ST                  | 4-LEG                               | N UNKNOWN     | N CLR N DAY       | O-1TURN TURN PDO   | 01 NONE PRVTE PSNGR CAR | STRGHT NW SE   |                                  |              | 01 | DRVR NONE 46 M OR-Y OR<25        | 000        | 000     | 08 00 00 |
|              |           |             |               |                    |                            |                        |                                   |                                     |               |                   |                    | 02 NONE PRVTE PSNGR CAR | TURN-L SE W    |                                  |              | 01 | DRVR NONE 71 F OR-Y OR<25        | 004        | 000 000 | 00 08    |

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S D<br>P E I<br>A U C O<br>E L G H R<br>D C S L K | DATE<br>DAY<br>TIME     | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP | PC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT | WTHR<br>SURF<br>LIGHT | CRASH<br>COLL<br>SVR TY       | SPCL USE<br>TLRL QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P#   | PRTC<br>TYPE | INJ<br>SVR TY | A<br>G E<br>X | S<br>E<br>RES  | LICNS<br>LOC | PED<br>ERROR | ACTN           | EVENT          | CAUSE |
|-------|--------|---------------------------------------------------|-------------------------|----------------------------------|--------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|-----------------|-----------------------|-------------------------------|-------------------------------------------|--------------------|------|--------------|---------------|---------------|----------------|--------------|--------------|----------------|----------------|-------|
| 02666 | NO RPT | N N N                                             | 10/12/2003<br>Sun<br>5P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>18.64     | MAIN ST<br>WIMER ST                           | INTER<br>CN<br>01          | 4-LEG<br>0                              | N<br>UNKNOWN             | N<br>N<br>N     | CLR<br>DRY<br>DAY     | O-1TURN<br>TURN<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>SE W     | 01   | DRVR         | NONE          | 17 F          | OR-Y<br>OR<25  | 004          | 000<br>000   |                | 08<br>00<br>08 |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 02 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE                           | 01                 | DRVR | NONE         | 54 F          | OR-Y<br>OR<25 | 000            | 000<br>000   |              | 00<br>00<br>00 |                |       |
| 01673 | CITY   | N N N N N                                         | 06/24/2002<br>Mon<br>3P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 16<br>0 0<br>18.64     | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>UNKNOWN             | N<br>N<br>N     | CLR<br>DRY<br>DAY     | O-1TURN<br>TURN<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | 1 STRGHT<br>SE NW  | 01   | DRVR         | NONE          | 66 M          | OR-Y<br>OR<25  | 000          | 000          |                | 013<br>008     |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 02 NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>NW NE                           | 01                 | DRVR | INJB         | 83 M          | OR-Y<br>OR<25 | 004            | 000<br>013   |              | 08             |                |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 03 NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NE SW                             | 01                 | DRVR | NONE         | 44 M          | OR-Y<br>OR<25 | 000            | 011          |              |                |                |       |
| 03122 | CITY   | N N N                                             | 11/05/2003<br>Wed<br>7P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>18.64     | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>NONE                | N<br>N<br>N     | CLR<br>DRY<br>DLIT    | O-1TURN<br>TURN<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>NW NE    | 01   | DRVR         | NONE          | 31 M          | OR-Y<br>OR<25  | 004          | 000<br>000   |                | 082<br>008     |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 02 NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW                           | 01                 | DRVR | INJC         | 62 F          | OR-Y<br>OR<25 | 000            | 000<br>000   |              | 00<br>00<br>00 |                |       |
| 01014 | NO RPT | N N N                                             | 05/11/2005<br>Wed<br>4P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.64     | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>STOP SIGN           | N<br>N<br>N     | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO       | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>E SE     | 01   | DRVR         | NONE          | 00 M          | OTH-Y<br>N-RES | 028          | 015<br>000   |                | 02<br>00<br>02 |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 02 NONE<br>PRVTE<br>PSNGR CAR | TURN-L<br>NW E                            | 01                 | DRVR | NONE         | 58 F          | OR-Y<br>OR<25 | 000            | 000<br>000   |              | 00<br>00<br>00 |                |       |
| 02108 | CITY   | N N N                                             | 10/05/2005<br>Wed<br>8A | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.64     | MAIN ST<br>WIMER ST                           | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>STOP SIGN           | N<br>N<br>N     | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO       | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>NW SE    | 01   | DRVR         | NONE          | 28 M          | OR-Y<br>OR<25  | 000          | 000<br>000   |                | 03<br>00<br>00 |       |
|       |        |                                                   |                         |                                  |                          |                                               |                            |                                         |                          |                 |                       | 02 NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>W SE                            | 01                 | DRVR | NONE         | 21 M          | OR-Y<br>OR<25 | 021            | 000<br>000   |              | 00<br>00<br>03 |                |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S<br>E<br>D<br>A<br>U<br>C<br>O<br>L<br>K | D<br>R<br>S<br>W<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | DATE                     | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>TYP<br>FIRST STREET<br>SECOND STREET | CONN # | INT-TYP<br>(#LANES) | INT-REL | OFFRD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO               | P#                   | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>L<br>I<br>C<br>N<br>S<br>R<br>E<br>S | PED<br>LOC     | ERROR | ACTN | EVENT | CAUSE |    |
|-----------------|--------|-------------------------------------------|---------------------------------------------------------------|--------------------------|----------------------------------|-------------------------------------|--------------------------------------------|--------|---------------------|---------|-------------------------|-----------------------|--------------------------------|-------------------------------------------|----------------------------------|----------------------|--------------|--------------|------------------|------------------------------------------------|----------------|-------|------|-------|-------|----|
| 01559<br>NONE   |        | N N N N N                                 |                                                               | 06/15/2001<br>Fri<br>12P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN         | CROSS   | N<br>UNKNOWN            | N<br>N<br>N           | CLR<br>DRY<br>DAY              | ANGL-OTH<br>TURN<br>PDO                   | 01<br>NONE<br>PRVTE<br>PSNGR CAR | 0<br>TURN-R<br>SW SE |              |              |                  | 00<br>M                                        | OTH-Y<br>N-RES |       | 028  | 000   |       | 02 |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        | 04                  | 0       |                         |                       |                                |                                           |                                  | 01                   | DRVR         | NONE         |                  |                                                |                |       |      |       | 02    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | 0<br>STRGHT<br>NW SE             |                      |              |              | 73<br>M          | OR-Y<br>OR<25                                  |                | 000   | 000  |       |       |    |
| 02034<br>CITY   |        | N N N                                     |                                                               | 08/01/2003<br>Fri<br>4P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>MAIN ST<br>WIMER ST             |        | INTER<br>CN         | 4-LEG   | N<br>STOP SIGN          | N<br>N<br>N           | CLR<br>DRY<br>DAY              | ANGL-OTH<br>TURN<br>INJ                   | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE      |              |              |                  | 53<br>F                                        | OR-Y<br>OR<25  |       | 000  | 000   | 082   | 02 |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        | 04                  | 0       |                         |                       |                                |                                           |                                  | 01                   | DRVR         | INJB         |                  |                                                |                |       |      |       | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>SW NW                  |                      |              |              | 17<br>F          | OR-Y<br>OR<25                                  |                | 028   | 000  | 082   | 00    |    |
| 03294<br>NO RPT |        | N N N                                     |                                                               | 12/19/2003<br>Fri<br>4P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN         | CROSS   | N<br>UNKNOWN            | N<br>N<br>N           | CLD<br>WET<br>DAY              | O-1TURN<br>TURN<br>PDO                    | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW      |              |              |                  | 00<br>U                                        | UNK<br>UNK     |       | 000  | 000   |       | 08 |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        | 04                  | 0       |                         |                       |                                |                                           |                                  | 01                   | DRVR         | NONE         |                  |                                                |                |       |      |       | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>NW E                   |                      |              |              | 44<br>M          | OR-Y<br>OR<25                                  |                | 004   | 000  |       | 00    |    |
| 01105<br>CITY   |        | N N N                                     |                                                               | 06/05/2004<br>Sat<br>3P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN         | CROSS   | N<br>UNKNOWN            | N<br>N<br>N           | CLR<br>DRY<br>DAY              | O-1TURN<br>TURN<br>INJ                    | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW      |              |              |                  | 43<br>F                                        | OR-Y<br>OR<25  |       | 000  | 000   | 082   | 08 |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        | 04                  | 0       |                         |                       |                                |                                           |                                  | 01                   | DRVR         | INJB         |                  |                                                |                |       |      |       | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>NW E                   |                      |              |              | 23<br>M          | OR-Y<br>OR<25                                  |                | 004   | 000  | 082   | 08    |    |
| 01826<br>CITY   |        | N N N                                     |                                                               | 07/14/2003<br>Mon<br>8A  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.65                     | 14<br>0<br>MAIN ST<br>WIMER ST             |        | INTER<br>SE         | 4-LEG   | N<br>NONE               | N<br>N<br>N           | CLR<br>DRY<br>DAY              | S-1STOP<br>REAR<br>INJ                    | 01<br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW      |              |              |                  | 26<br>M                                        | OR-Y<br>OR<25  |       | 043  | 000   | 013   | 07 |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        | 06                  | 0       |                         |                       |                                |                                           |                                  | 01                   | DRVR         | NONE         |                  |                                                |                |       |      |       | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | STOP<br>SE NW                    |                      |              |              | 23<br>M          | OR-Y<br>OR<25                                  |                | 000   | 000  | 013   | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                |                                           |                                  | 02                   | PSNG         | INJC         |                  |                                                |                |       |      |       | 00    |    |
|                 |        |                                           |                                                               |                          |                                  |                                     |                                            |        |                     |         |                         |                       |                                |                                           |                                  |                      |              |              | 22<br>F          |                                                |                |       |      |       | 00    |    |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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063 ROGUE VALLEY

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S D<br>P R S W<br>E A U C O<br>E L G H R<br>D C S L K | DATE<br>DAY<br>TIME      | COUNTY<br>CITY<br>URBAN AREA     | RD# FC<br>COMPNT<br>MLG TYP<br>MILEPNT | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD WTHR<br>RND BT SURF<br>DRVWY LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC INJ<br>TYPE SVRTY | A S<br>G E LICNS<br>E X RES | PED<br>LOC | ERROR      | ACTN       | EVENT      | CAUSE          |
|-------|--------|-------------------------------------------------------|--------------------------|----------------------------------|----------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|------------------------------------------|--------------------------------|-------------------------------------------|--------------------|----|------------------------|-----------------------------|------------|------------|------------|------------|----------------|
| 00498 | CITY   | N N N N N                                             | 03/13/2009<br>Fri<br>4P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>SE<br>06          | 4-LEG<br>0                              | N<br>NONE                | N CLR<br>N DRY<br>N DAY                  | S-1STOP<br>REAR<br>INJ         | 03 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>SE NW      | 01 | DRVR INJC              | 45 F<br>OR-Y<br>OR<25       |            | 000        | 012<br>000 |            | 00<br>00       |
| 00498 | CITY   | N N N N N                                             | 03/13/2009<br>Fri<br>4P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>SE<br>06          | 4-LEG<br>0                              | N<br>NONE                | N CLR<br>N DRY<br>N DAY                  | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR NONE              | 22 M<br>OR-Y<br>OR<25       |            | 043        | 000<br>000 | 093<br>093 | 07<br>00<br>07 |
| 01544 | CITY   | N N N                                                 | 08/16/2007<br>Thu<br>12P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>S<br>06           | 4-LEG<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY                  | ANGL-STP<br>TURN<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-R<br>W SE     | 01 | DRVR NONE              | 56 F<br>OR-Y<br>OR<25       |            | 043        | 015<br>000 |            | 07<br>00<br>07 |
| 01562 | NONE   | N N N                                                 | 07/21/2006<br>Fri<br>3P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>CN<br>01          | 4-LEG<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY                  | O-1TURN<br>TURN<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>SE W     | 01 | DRVR NONE              | 00 F<br>UNK<br>UNK          |            | 004,028    | 000<br>000 |            | 02<br>00<br>02 |
| 02279 | CITY   | N N N N N                                             | 11/24/2009<br>Tue<br>11A | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>CN<br>01          | CROSS<br>0                              | N<br>NONE                | N CLR<br>N DRY<br>N DAY                  | O-1TURN<br>TURN<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>SE W     | 01 | DRVR NONE              | 21 M<br>OR-Y<br>OR-?        |            | 004        | 000<br>000 |            | 02<br>00<br>02 |
| 00036 | CITY   | N N N                                                 | 01/11/2007<br>Thu<br>5P  | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                   | MAIN ST<br>WIMER ST                     | INTER<br>CN<br>04          | 4-LEG<br>0                              | N<br>NONE                | N SNOW<br>N WET<br>N DLIT                | O-1TURN<br>TURN<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR INJC              | 23 F<br>OR-Y<br>OR<25       |            | 000        | 000<br>000 | 082<br>000 | 02<br>00<br>00 |
|       |        |                                                       |                          |                                  |                                        |                                         |                            |                                         |                          |                                          |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>NW E     | 01 | DRVR INJC              | 55 F<br>OR-Y<br>OR<25       | 004,028    | 000<br>000 | 082        | 00<br>02   |                |

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063 ROGUE VALLEY

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S<br>P<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>A<br>U<br>C<br>O<br>DATE | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT   | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC | PED<br>ERROR | ACTN<br>EVENT        | CAUSE |
|-----------------|--------|-------------------------------------------|----------------------------------------------|----------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-------------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|---------------|--------------|--------------|----------------------|-------|
| 00863<br>NONE   | N N N  |                                           | 05/20/2008<br>Tue<br>3P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                          | INTER<br>SE<br>06          | 3-LEG<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 19 M             | OR-Y<br>OR<25 | 026          | 000<br>000   | 07                   |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             |                    | 01 | DRVR         | INJC         | 31 F             | OR-Y<br>OR<25 | 000          | 011<br>000   | 00<br>00             |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         |                                |                                           |                    | 02 | PSNG         | INJC         | 66 F             |               | 000          | 000          | 00                   |       |
| 02350<br>NO RPT | Y N N  |                                           | 11/04/2009<br>Wed<br>7P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                          | INTER<br>SE<br>06          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DLIT | S-1STOP<br>REAR<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 41 F             | OR-Y<br>OR-?  | 047,026      | 000<br>000   | 01,07<br>00<br>01,07 |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             |                    | 01 | DRVR         | NONE         | 49 F             | OR-Y<br>OR-?  | 000          | 011<br>000   | 00<br>00             |       |
| 91287<br>CITY   | N N N  |                                           | 06/18/2005<br>Sat<br>8A                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>STOP SIGN           | N RAIN<br>N WET<br>N DAY | ANGL-OTH<br>ANGL<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 26 F             | OR-Y<br>OR<25 | 000          | 000<br>000   | 03<br>00<br>00       |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>NE SW                           |                    | 01 | DRVR         | NONE         | 28 M             | OR-Y<br>OR<25 | 021,028      | 088<br>000   | 00<br>03             |       |
| 01843<br>CITY   | N N N  |                                           | 09/09/2004<br>Thu<br>2P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY  | O-1TURN<br>TURN<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>N E                             |                    | 01 | DRVR         | INJB         | 78 F             | OR-Y<br>OR<25 | 004,028      | 088<br>000   | 040,053<br>00<br>02  |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>S N                             |                    | 01 | DRVR         | NONE         | 39 M             | OR-Y<br>OR<25 | 000          | 000<br>000   | 040,053<br>00<br>00  |       |
| 02170<br>NO RPT | N N N  |                                           | 10/25/2006<br>Wed<br>12P                     | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                          | INTER<br>CN<br>04          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-OTHER<br>BACK<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | BACK<br>NW SE                             |                    | 01 | DRVR         | NONE         | 18 F             | OR-Y<br>OR<25 | 011          | 000<br>000   | 10<br>00<br>10       |       |
|                 |        |                                           |                                              |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>NW E                            |                    | 01 | DRVR         | NONE         | 65 F             | OR-Y<br>OR<25 | 000          | 000<br>000   | 00<br>00<br>00       |       |

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#   | S D            |   |   |   |   |            |            |      |       |     | RD# FC |        | INT-TYP    |        |       |          |      | SPCL USE |       |            |    |           |      |          |      |       |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |
|--------|----------------|---|---|---|---|------------|------------|------|-------|-----|--------|--------|------------|--------|-------|----------|------|----------|-------|------------|----|-----------|------|----------|------|-------|------|-------|------|----|---|------|-------|-----|-----|-------|------|-------|-------|-----|-----|----|
|        | P R S W        |   |   |   |   |            |            |      |       |     | COMPNT |        | CONNECTION |        |       |          |      | TRLR QTY |       |            |    |           |      |          |      |       |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |
|        | E A U C O DATE |   |   |   |   |            |            |      |       |     | COUNTY |        | RD CHAR    |        |       |          |      | INT-REL  |       | OFFRD WTHR |    | CRASH TYP |      | MOVE     |      |       |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |
|        | E L G H R DAY  |   |   |   |   |            |            |      |       |     | CITY   |        | DIRECT     |        |       |          |      | LEGS     |       | TRAF-      |    | RNDT SURF |      | COLL TYP |      | OWNER |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |
| INVEST | D              | C | S | L | K | TIME       | URBAN      | AREA | MLG   | TYP | FIRST  | STREET | SECOND     | STREET | LOCTN | (#LANES) | CNTL | DRVWY    | LIGHT | SVRTY      | V# | VEH       | TYPE | TURN     | FROM | P#    | TYPE | SVRTY | A    | S  | G | E    | LICNS | PED | LOC | ERROR | ACTN | EVENT | CAUSE |     |     |    |
| 02391  | N              | N | N | N |   | 11/09/2005 | JACKSON    |      | 1     | 14  |        |        |            |        | INTER | CROSS    | N    | N        | CLR   | O-1TURN    | 01 | NONE      |      | STRGHT   |      |       |      |       |      |    |   |      |       |     |     |       |      | 082   |       | 08  |     |    |
| CITY   |                |   |   |   |   | Wed        | ASHLAND    |      | 1     | 0   | HERSEY | ST     |            |        | CN    |          | NONE | N        | DRY   | TURN       |    | PRVTE     |      | SE       | NW   |       |      |       |      |    |   |      |       |     |     | 000   |      | 000   |       | 00  |     |    |
|        |                |   |   |   |   | 2P         | MEDFORD UA |      | 18.64 |     | MAIN   | ST     |            |        | 04    | 0        |      | N        | DAY   | INJ        |    | PSNGR     | CAR  |          |      |       | 01   | DRVR  | INJC | 57 | F | OR-Y |       |     |     | 000   |      | 000   |       | 00  |     |    |
|        |                |   |   |   |   |            |            |      |       |     |        |        |            |        |       |          |      |          |       |            |    |           |      |          |      |       |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |
|        |                |   |   |   |   |            |            |      |       |     |        |        |            |        |       |          |      |          |       |            | 02 | NONE      |      | TURN-L   |      |       |      |       |      |    |   |      |       |     |     |       |      | 000   |       | 000 | 082 | 00 |
|        |                |   |   |   |   |            |            |      |       |     |        |        |            |        |       |          |      |          |       |            |    | PRVTE     |      | NW       | E    |       |      |       |      |    |   |      |       |     |     |       | 000  |       | 000   | 082 | 00  |    |
|        |                |   |   |   |   |            |            |      |       |     |        |        |            |        |       |          |      |          |       |            |    | PSNGR     | CAR  |          |      |       | 01   | DRVR  | NONE | 18 | M | OR-Y |       |     |     | 004   |      | 000   | 082   | 00  |     |    |
|        |                |   |   |   |   |            |            |      |       |     |        |        |            |        |       |          |      |          |       |            |    |           |      |          |      |       |      |       |      |    |   |      |       |     |     |       |      |       |       |     |     |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 99 (Hwy 063) @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#   | S D |   |   | DATE       | CLASS | CITY STREET   | RD CHAR | INT-TYP  | INT-REL   | OFF-RD | WTHR  | CRASH TYP | SPCL USE |          | MOVE | A S |       |       | PED | CAUSE |      |       |       |          |       |       |
|--------|-----|---|---|------------|-------|---------------|---------|----------|-----------|--------|-------|-----------|----------|----------|------|-----|-------|-------|-----|-------|------|-------|-------|----------|-------|-------|
|        | E   | P | R |            |       |               |         |          |           |        |       |           | QTY      | G        |      | E   | LICNS | LOC   |     | ERROR | ACTN | EVENT |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       | OWNER | VEH TYPE | SVRTY | RES   |
| INVEST | C   | L | K | TIME       | FROM  | SECOND STREET | LOCTN   | (#LANES) | CONTL     | DRVWY  | LIGHT | SVRTY     | V#       | VEH TYPE | TO   | P#  | TYPE  | SVRTY | E   | X     | RES  | LOC   | ERROR | ACTN     | EVENT | CAUSE |
| 01519  | N   | N | N | 06/19/2003 | 16    | HERSEY ST     | INTER   | 3-LEG    | N         | N      | CLR   | BIKE      |          |          |      |     |       |       |     |       |      |       |       |          |       | 02,10 |
| CITY   |     |   |   | Thu        | 0     | MAIN ST       | NE      | 0        | STOP SIGN | N      | DRY   | TURN      |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   | 12P        |       |               | 06      |          |           | N      | DAY   | INJ       |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |
|        |     |   |   |            |       |               |         |          |           |        |       |           |          |          |      |     |       |       |     |       |      |       |       |          |       |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Maple Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 3                        | 1                          | 4                | 0                | 3                 | 0      | 3           | 1           | 4   | 0    | 4                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Maple Street  
January 1, 2000 through December 31, 2009

| SER#   | S D       |           |            | DATE    | COUNTY        | RD# FC     |              | INT-TYP  |          |         |       |         | SPCL USE  |          | MOVE    | PRTC | INJ       | A S   | E LICNS | PED  | CAUSE |       |       |      |       |     |  |    |
|--------|-----------|-----------|------------|---------|---------------|------------|--------------|----------|----------|---------|-------|---------|-----------|----------|---------|------|-----------|-------|---------|------|-------|-------|-------|------|-------|-----|--|----|
|        | P         | R         | S          |         |               | COMPNT     | CONN #       | RD CHAR  | (MEDIAN) | INT-REL | OFFRD | WTHR    | CRASH TYP | TRLR QTY |         |      |           |       |         |      |       | OWNER |       |      |       |     |  |    |
|        | E A U C O | E L G H R | DAY        |         |               | MLG TYP    | FIRST STREET | DIRECT   | LEGS     | TRAF-   | RNDBT | SURF    | COLL TYP  | MOVE     |         |      |           |       |         |      |       | FROM  |       |      |       |     |  |    |
| INVEST | D C S L K | TIME      | URBAN AREA | MILEPNT | SECOND STREET | LOCTN      | (#LANES)     | CNTL     | DRVWY    | LIGHT   | SVRTY | V#      | VEH TYPE  | TO       | P#      | TYPE | SVRTY     | E X   | RES     | LOC  | ERROR | ACTN  | EVENT |      |       |     |  |    |
| 00037  | N         | N         | N          | N       | 01/09/2001    | JACKSON    | 1 14         |          |          | INTER   | CROSS | N       |           | N RAIN   | S-1STOP | 01   | NONE      | 0     | STRGHT  |      |       |       |       |      |       |     |  |    |
| NONE   |           |           |            |         | Tue           | ASHLAND    | 0 0          | MAIN ST  |          | SE      |       | UNKNOWN |           | N WET    | REAR    |      | PRVTE     | NW SE |         |      |       |       | 000   |      |       |     |  |    |
|        |           |           |            |         | 4P            | ASHLAND UA | 18.43        | MAPLE ST |          | 06      | 0     |         |           | N DAY    | INJ     |      | PSNGR CAR |       | 01      | DRVR | NONE  | 35    | F     | OR-Y | OR<25 | 026 |  | 10 |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |
|        |           |           |            |         |               |            |              |          |          |         |       |         |           |          |         |      |           |       |         |      |       |       |       |      |       |     |  |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Mistletoe Road  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| BACKING           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2002 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| FINAL TOTAL       | 0                | 1                        | 2                          | 3                | 0                | 1                 | 1      | 3           | 0           | 3   | 0    | 3                 | 0                            | 1            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR 99 (Hwy 063) @ Mistletoe Road  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S D<br>P E A U C O<br>E L G H R DAY<br>D C S L K TIME | DATE                    | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RNDDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH<br>TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A S<br>G E<br>X RES   | LICNS<br>LOC | PED<br>ERROR | ACTN | EVENT      | CAUSE |                |
|-----------------|--------|-------------------------------------------------------|-------------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|-----------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|-----------------------|--------------|--------------|------|------------|-------|----------------|
| 02480<br>NONE   |        | N N N N N                                             | 09/23/2002<br>Mon<br>2P | JACKSON<br><br>ASHLAND UA    | 1 16<br>0 0<br>22.05                |                                               | INTER<br>E<br>06           | 3-LEG<br><br>0                          | N<br><br>UNKNOWN         | Y<br>N<br>N              | CLR<br>DRY<br>DAY     | PRKD MV<br>BACK<br>PDO            | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0 PRKD-P<br>E W    |    |              |              |                       |              |              |      | 008        |       | 10             |
|                 |        |                                                       |                         |                              |                                     |                                               |                            |                                         |                          |                          |                       |                                   | 02 NONE<br>PRVTE<br>TRUCK                 | 0 BACK<br>N E      |    | 01 DRVR      | NONE         | 38 M<br>OR-Y<br>OR<25 |              | 011          |      | 000        |       | 10             |
| 01646<br>COUNTY |        | N N N                                                 | 08/05/2004<br>Thu<br>3P | JACKSON                      | 1 06<br>0 0<br>22.05                |                                               | INTER<br>CN<br>03          | 3-LEG<br><br>0                          | N<br><br>NONE            | N<br>N<br>Y              | CLR<br>DRY<br>DAY     | S-1TURN<br>TURN<br>INJ            | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>N S      |    | 01 DRVR      | NONE         | 54 M<br>OR-Y<br>OR<25 |              | 000          |      | 007<br>000 |       | 08<br>00<br>00 |
|                 |        |                                                       |                         |                              |                                     |                                               |                            |                                         |                          |                          |                       |                                   | 02 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>N E      |    | 01 DRVR      | NONE         | 36 M<br>OR-Y<br>OR<25 |              | 000          |      | 051<br>000 |       | 00<br>08       |
| 00371<br>NONE   |        | N N N                                                 | 02/08/2006<br>Wed<br>2P | JACKSON<br><br>MEDFORD UA    | 1 16<br>0 0<br>22.05                |                                               | INTER<br>CN<br>04          | 3-LEG<br><br>0                          | N<br><br>STOP SIGN       | N<br>N<br>N              | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>PDO           | 01 NONE<br>UNKN<br>PSNGR CAR              | 0 TURN-L<br>E S    |    | 01 DRVR      | NONE         | 00 M<br>OR-Y<br>OR<25 |              | 028          |      | 015<br>000 |       | 02<br>00<br>02 |
|                 |        |                                                       |                         |                              |                                     |                                               |                            |                                         |                          |                          |                       |                                   | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>N S      |    | 01 DRVR      | NONE         | 17 F<br>OR-Y<br>OR<25 |              | 000          |      | 000        |       | 00<br>00<br>00 |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2008           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 2                          | 2                | 0                | 0                 | 1      | 0           | 2           | 2   | 0    | 2                 | 0                            | 0            |
| FIXED / OTHER OBJECT | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2008 TOTAL           | 0                | 0                        | 3                          | 3                | 0                | 0                 | 1      | 1           | 2           | 3   | 0    | 3                 | 0                            | 1            |
| YEAR: 2005           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2004 TOTAL           | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2003           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2003 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| YEAR: 2001           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2000           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL          | 0                | 1                        | 8                          | 9                | 0                | 2                 | 1      | 7           | 2           | 9   | 0    | 9                 | 0                            | 2            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| SER#          | S D<br>E A U C O<br>I N V E S T | DATE<br>DAY<br>TIME     | COUNTY<br>CITY<br>URBAN AREA     | RD# FC<br>COMPNT<br>MLG TYP<br>MILEPNT | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD WTHR<br>RDNBT SURF<br>DRVMY LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC INJ<br>TYPE SVRTY | A S<br>G E<br>X RES   | LICNS<br>LOC<br>ERROR | PED<br>LOC<br>ERROR | ACTN       | EVENT              | CAUSE             |
|---------------|---------------------------------|-------------------------|----------------------------------|----------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|-----------------------------------------|--------------------------------|-------------------------------------------|--------------------|----|------------------------|-----------------------|-----------------------|---------------------|------------|--------------------|-------------------|
| 01382<br>CITY | N N N Y N                       | 08/02/2008<br>Sat<br>8P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>N<br>05           | CROSS<br>0                              | N<br>NONE                | Y CLR<br>N DRY<br>N DAY                 | FIX OBJ<br>FIX<br>PDO          | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>NW N     | 01 | DRVR<br>NONE           | 78 M<br>OR-Y<br>OR<25 |                       | 002,044,081         | 088<br>000 | 050,057<br>050,057 | 08<br>00<br>08    |
| 00442<br>CITY | Y N N Y                         | 02/07/2003<br>Fri<br>2P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>CN<br>01          | N<br>STOP SIGN<br>0                     |                          | Y CLR<br>N DRY<br>N DAY                 | ANGL-OTH<br>ANGL<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR<br>NONE           | 20 M<br>OR-Y<br>OR<25 |                       | 047                 | 000<br>000 |                    | 02,01<br>00<br>01 |
|               |                                 |                         |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>N S      | 01 | DRVR<br>NONE           | 77 M<br>OR-Y<br>OR<25 |                       | 028                 | 015<br>000 |                    | 00<br>02          |
| 00534<br>CITY | N N N N N                       | 03/28/2008<br>Fri<br>3P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>CN<br>01          | CROSS<br>0                              | N<br>STOP SIGN           | N SNOW<br>N SNO<br>N DAY                | ANGL-OTH<br>ANGL<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>N S      | 01 | DRVR<br>NONE           | 77 F<br>OR-Y<br>OR<25 |                       | 028                 | 015<br>000 |                    | 02<br>00<br>02    |
|               |                                 |                         |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>TRUCK                 | STRGHT<br>SE NW    | 01 | DRVR<br>NONE           | 34 M<br>OR-Y<br>OR<25 |                       | 000                 | 000<br>000 |                    | 00<br>00          |
| 01665<br>CITY | N N N N N                       | 06/21/2001<br>Thu<br>6P | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY                 | ANGL-OTH<br>ANGL<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>S N      | 01 | DRVR<br>NONE           | 25 M<br>OR-Y<br>OR<25 |                       | 028                 | 015        | 082<br>082         | 02<br>02          |
|               |                                 |                         |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR<br>NONE           | 55 M<br>OR-Y<br>OR>25 |                       | 000                 | 000        |                    |                   |
| 01337<br>CITY | N N N Y                         | 07/04/2004<br>Sun<br>6P | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY                 | ANGL-OTH<br>ANGL<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR<br>INJB           | 25 F<br>OR-Y<br>OR<25 |                       | 000                 | 000<br>000 | 057,044<br>057,044 | 02<br>00<br>00    |
|               |                                 |                         |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>S N      | 01 | DRVR<br>INJB           | 65 F<br>OR-Y<br>OR<25 |                       | 028                 | 015<br>000 |                    | 00<br>02          |
| 01793<br>NONE | Y N N Y                         | 09/01/2004<br>Wed<br>8A | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>21.87                   | SISKIYOU BLVD<br>TOLMAN CREEK RD        | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY                 | ANGL-OTH<br>ANGL<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>S N      | 01 | DRVR<br>NONE           | 28 M<br>OR-Y<br>OR<25 |                       | 047                 | 015<br>038 |                    | 01,02<br>00<br>01 |
|               |                                 |                         |                                  |                                        |                                         |                            |                                         |                          |                                         |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SE NW    | 01 | DRVR<br>NONE           | 24 F<br>OR-Y<br>N-RES |                       | 028                 | 000<br>000 |                    | 00<br>02          |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Tolman Creek Road  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S D<br>P R S W<br>E A U C O<br>E L G H R<br>D C S L K | DATE       | COUNTY     | RD# FC<br>COMPNT<br>MLG TYP<br>MILEPNT | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD WTHR<br>RNDDBT SURF<br>DRVMY LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A S<br>G E<br>LICNS<br>E X RES | PED<br>LOC | ERROR | ACTN | EVENT | CAUSE |    |
|-------|--------|-------------------------------------------------------|------------|------------|----------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|------------------------------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|--------------------------------|------------|-------|------|-------|-------|----|
| 00780 | CITY   | N N N N N                                             | 05/25/2008 | JACKSON    | 1 14                                   |                                         | INTER                      | CROSS                                   | N                        | N RAIN                                   | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                                |            |       |      | 082   | 02    |    |
|       |        |                                                       | Sun        | ASHLAND    | 0 0                                    | SISKIYOU BLVD                           | CN                         |                                         | STOP SIGN                | N WET                                    | ANGL                           | PRVTE                                     | N S                |    |              |              |                                |            |       |      | 015   | 00    |    |
|       |        |                                                       | 4P         | MEDFORD UA | 21.87                                  | TOLMAN CREEK RD                         | 03                         | 0                                       |                          | N DAY                                    | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 23 F                           | OR-Y       |       | 028  | 000   | 082   | 02 |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR<25                          |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | 02 NONE                                   | STRGHT             |    |              |              |                                |            |       |      | 000   | 00    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PRVTE                                     | NW SE              |    |              |              |                                |            |       |      | 000   | 00    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 38 M                           | OR-Y       |       | 000  | 000   | 00    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR>25                          |            |       |      |       |       |    |
| 00585 | NO RPT | N N N                                                 | 03/14/2005 | JACKSON    | 1 14                                   |                                         | INTER                      | CROSS                                   | N                        | N CLR                                    | ANGL-OTH                       | 01 NONE                                   | STRGHT             |    |              |              |                                |            |       |      |       | 02    |    |
|       |        |                                                       | Mon        | ASHLAND    | 0 0                                    | SISKIYOU BLVD                           | CN                         |                                         | L-GRN-SIG                | N DRY                                    | ANGL                           | PRVTE                                     | S N                |    |              |              |                                |            |       |      | 000   | 00    |    |
|       |        |                                                       | 9A         | MEDFORD UA | 21.87                                  | TOLMAN CREEK RD                         | 04                         | 0                                       |                          | N DAY                                    | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 34 F                           | OTH-Y      |       | 000  | 000   | 00    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | N-RES                          |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | 02 NONE                                   | STRGHT             |    |              |              |                                |            |       |      | 015   | 00    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PRVTE                                     | NW SE              |    |              |              |                                |            |       |      | 000   | 02    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 30 M                           | OR-Y       |       | 028  | 000   | 02    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR<25                          |            |       |      |       |       |    |
| 01325 | NO RPT | N N N N N                                             | 05/04/2000 | JACKSON    | 1 14                                   |                                         | INTER                      | CROSS                                   | N                        | N CLR                                    | ANGL-OTH                       | 01 NONE                                   | 0 STRGHT           |    |              |              |                                |            |       |      |       | 013   | 02 |
|       |        |                                                       | Thu        | ASHLAND    | 0 0                                    | SISKIYOU BLVD                           | CN                         |                                         | UNKNOWN                  | N DRY                                    | ANGL                           | PRVTE                                     | N S                |    |              |              |                                |            |       |      | 015   |       |    |
|       |        |                                                       | 11A        | ASHLAND UA | 21.88                                  | TOLMAN CREEK RD                         | 03                         | 0                                       |                          | N DAY                                    | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 17 M                           | OR-Y       |       | 028  |       | 02    |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR<25                          |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | 02 NONE                                   | STRGHT             |    |              |              |                                |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PRVTE                                     | NW SE              |    |              |              |                                |            |       |      | 000   | 013   |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 23 F                           | OR-Y       |       | 000  |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR<25                          |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | 03 NONE                                   | STRGHT             |    |              |              |                                |            |       |      | 000   |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PRVTE                                     | SE NW              |    |              |              |                                |            |       |      |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 48 F                           | OR-Y       |       | 000  |       |       |    |
|       |        |                                                       |            |            |                                        |                                         |                            |                                         |                          |                                          |                                |                                           |                    |    |              |              | OR<25                          |            |       |      |       |       |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) @ Valley View Drive  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 2                        | 0                          | 2                | 0                | 6                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 6                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 0                        | 4                          | 4                | 0                | 0                 | 0      | 4           | 0           | 3   | 1    | 4                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 7                        | 6                          | 13               | 0                | 11                | 0      | 10          | 3           | 10  | 3    | 13                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Valley View Drive  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S<br>P<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>U<br>C<br>O<br>H<br>R<br>DAY | DATE                     | COUNTY<br>CITY        | RD#<br>MLG<br>MILEPNT | FC<br>TYP    | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RDNBT<br>DRVMY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P#     | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC  | PED<br>ERROR | ACTN<br>EVENT | CAUSE          |
|-------|--------|-------------------------------------------|--------------------------------------------------|--------------------------|-----------------------|-----------------------|--------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|--------|--------------|--------------|------------------|---------------|---------------|--------------|---------------|----------------|
| 02861 | NO RPT | N N N N N                                 |                                                  | 10/03/2000<br>Tue<br>10A | JACKSON<br>MEDFORD UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>N<br>06           | 3-LEG<br>0                              | N<br>TRF SIGNAL          | N<br>N                  | CLR<br>DRY<br>DAY     | ANGL-STP<br>TURN<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>E N           | TURN-R | 01           | DRVR         | INJC             | 17 M          | OR-Y<br>OR<25 | 001          | 000 043       | 08<br>08       |
|       |        |                                           |                                                  |                          |                       |                       |              |                                         |                            |                                         |                          |                         |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STOP   | 01           | DRVR         | NONE             | 59 M          | OR-Y<br>OR<25 | 000          | 012           |                |
| 00978 | NONE   | N N N N N                                 |                                                  | 04/01/2002<br>Mon<br>1P  | JACKSON<br>ASHLAND UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>N<br>06           | 3-LEG<br>0                              | N<br>STOP SIGN           | N<br>N                  | CLR<br>DRY<br>DAY     | S-1TURN<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STRGHT | 01           | DRVR         | INJC             | 71 M          | OR-Y<br>OR<25 | 026          | 000 038       | 07<br>07       |
|       |        |                                           |                                                  |                          |                       |                       |              |                                         |                            |                                         |                          |                         |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N W           | TURN-R | 01           | DRVR         | NONE             | 46 F          | OR-Y<br>OR<25 | 000          | 011           |                |
| 02810 | NONE   | N N N                                     |                                                  | 10/17/2003<br>Fri<br>2P  | JACKSON<br>ASHLAND UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>N<br>06           | 3-LEG<br>0                              | N<br>TRF SIGNAL          | N<br>N                  | CLR<br>DRY<br>Y DAY   | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STRGHT | 01           | DRVR         | NONE             | 77 M          | OR-Y<br>OR<25 | 026          | 000 000       | 07<br>00<br>07 |
|       |        |                                           |                                                  |                          |                       |                       |              |                                         |                            |                                         |                          |                         |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STOP   | 01           | DRVR         | INJC             | 23 M          | OR-Y<br>OR<25 | 000          | 011 000       | 00<br>00       |
| 00444 | NONE   | N N N                                     |                                                  | 03/21/2008<br>Fri<br>10P | JACKSON<br>MEDFORD UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>N<br>06           | 3-LEG<br>0                              | N<br>TRF SIGNAL          | N<br>N                  | CLD<br>WET<br>DLIT    | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STRGHT | 01           | DRVR         | NONE             | 00 M          | UNK<br>UNK    | 026          | 000 000       | 07<br>00<br>07 |
|       |        |                                           |                                                  |                          |                       |                       |              |                                         |                            |                                         |                          |                         |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>N S           | STOP   | 01           | DRVR         | INJC             | 23 F          | OR-Y<br>OR<25 | 000          | 011 000       | 00<br>00       |
| 00816 | NONE   | N N N                                     |                                                  | 01/15/2004<br>Thu<br>5P  | JACKSON<br>MEDFORD UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>S<br>06           | 3-LEG<br>0                              | N<br>TRF SIGNAL          | N<br>N                  | CLR<br>DRY<br>DUSK    | O-OTHER<br>TURN<br>PDO         | 01 NONE<br>PUBLC<br>OTH BUS               | 0<br>N N           | U-TURN | 01           | DRVR         | NONE             | 00 M          | UNK<br>UNK    | 008,002      | 000 000       | 08<br>00<br>08 |
|       |        |                                           |                                                  |                          |                       |                       |              |                                         |                            |                                         |                          |                         |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>S N           | STOP   | 01           | DRVR         | NONE             | 56 M          | OR-Y<br>OR<25 | 000          | 011 000       | 00<br>00       |
| 00925 | NONE   | N N N                                     |                                                  | 05/24/2004<br>Mon<br>4P  | JACKSON<br>ASHLAND UA | 1<br>0<br>17.02       | 14<br>0<br>0 |                                         | INTER<br>S<br>06           | 3-LEG<br>0                              | N<br>TRF SIGNAL          | N<br>N                  | CLR<br>DRY<br>Y DAY   | S-1TURN<br>REAR<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>S N           | STRGHT | 01           | DRVR         | NONE             | 33 F          | OR-Y<br>OR<25 | 026          | 000 000       | 07<br>00<br>07 |

## 063 ROGUE VALLEY

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) @ Valley View Drive  
 January 1, 2000 through December 31, 2009

| SER#   | E L G H R DAY  | CITY       | RD# FC<br>MLG TYP | CONN #<br>FIRST STREET | RD CHAR<br>DIRECT | INT-TYP<br>(#LANES) | INT-REL<br>LEGS | OFFRD WTHR<br>RNDT SURF | CRASH TYP<br>COLL TYP | SPCL USE<br>TRLR QTY | MOVE<br>FROM               | P#          | PRTC INJ<br>TYPE SVRITY | A S<br>G E LICNS | PED<br>LOC | ERROR         | ACTN EVENT | CAUSE    |
|--------|----------------|------------|-------------------|------------------------|-------------------|---------------------|-----------------|-------------------------|-----------------------|----------------------|----------------------------|-------------|-------------------------|------------------|------------|---------------|------------|----------|
| INVEST | D C S L K TIME | URBAN AREA | MILEPNT           | SECOND STREET          | LOCTN             |                     |                 |                         |                       | V#                   | VEH TYPE                   | TO          |                         |                  |            |               |            |          |
|        |                |            |                   |                        |                   |                     |                 |                         |                       | 02                   | NONE<br>PRVTE<br>PSNGR CAR | STOP<br>S N |                         |                  |            |               | 011<br>000 | 00<br>10 |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      |                            |             | 01                      | DRVR             | NONE       | 90 M<br>OR<25 | 009        |          |
| 02286  | N N N          | 10/28/2006 | JACKSON           | 1 14                   | INTER             | 3-LEG               | N               | N CLR                   | O-1TURN               | 01                   | NONE                       | STRGHT      |                         |                  |            |               | 000        | 04       |
| COUNTY | Sat            |            |                   | 0 0                    | CN                |                     | TRF SIGNAL      | N DRY                   | TURN                  |                      | PRVTE                      | S N         |                         |                  |            |               | 000        | 00       |
|        | 12P            | MEDFORD UA | 17.02             |                        | 04                | 0                   |                 | N DAY                   | INJ                   |                      | PSNGR CAR                  |             | 01                      | DRVR             | INJB       | 16 M<br>OR<25 | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      |                            |             | 02                      | PSNG             | INJB       | 15 M          | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      |                            |             | 03                      | PSNG             | INJB       | 17 M          | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       | 02                   | NONE                       | TURN-L      |                         |                  |            |               | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      | PRVTE                      | N E         |                         |                  |            |               | 000        | 04       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      | PSNGR CAR                  |             | 01                      | DRVR             | INJB       | 49 F<br>OR<25 | 020        |          |
| 01978  | N N N          | 09/27/2004 | JACKSON           | 1 14                   | INTER             | 3-LEG               | N               | N CLR                   | ANGL-OTH              | 01                   | NONE                       | STRGHT      |                         |                  |            |               | 000        | 04       |
| NONE   | Mon            |            |                   | 0 0                    | CN                |                     | TRF SIGNAL      | N DRY                   | ANGL                  |                      | PRVTE                      | W E         |                         |                  |            |               | 000        | 00       |
|        | 5P             | MEDFORD UA | 17.03             |                        | 04                | 0                   |                 | Y DAY                   | PDO                   |                      | PSNGR CAR                  |             | 01                      | DRVR             | NONE       | 25 M<br>OR<25 | 020        | 04       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       | 02                   | NONE                       | STRGHT      |                         |                  |            |               | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      | PRVTE                      | S N         |                         |                  |            |               | 000        | 00       |
|        |                |            |                   |                        |                   |                     |                 |                         |                       |                      | PSNGR CAR                  |             | 01                      | DRVR             | NONE       | 21 M<br>OR<25 | 000        |          |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) NB @ Oak Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE         | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|------------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2008             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS      | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2007             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| SIDESWIPE - OVERTAKING | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2007 TOTAL             | 0                | 2                        | 1                          | 3                | 0                | 2                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2006             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                  | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 0   | 0    | 1                 | 0                            | 0            |
| YEAR: 2005             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| SIDESWIPE - OVERTAKING | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2004 TOTAL             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2003             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2003 TOTAL             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2002             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL             | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| FINAL TOTAL            | 0                | 9                        | 5                          | 14               | 0                | 9                 | 0      | 13          | 0           | 11  | 2    | 14                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



OR 99 (Hwy 063) NB @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#         | P E L C S D A U G H R O DATE TIME | COUNTY CITY URBAN AREA     | RD# COMPNT MLG TYP | FC MILEPNT | CONN # FIRST STREET SECOND STREET | RD CHAR DIRECT LOCTN | INT-TYP (MEDIAN) LEGS (#LANES) | INT-REL TRAF-CNTL | OFFRD RND BT DRVWY | WTHR SURF LIGHT   | CRASH COLL TYP SVR TY   | SPCL USE TLRL QTY OWNER VEH TYPE | MOVE FROM TO | PRTC P# TYPE    | INJ SVR TY | A G E X RES | LICNS PED LOC ERROR | ACTN EVENT | CAUSE        |
|--------------|-----------------------------------|----------------------------|--------------------|------------|-----------------------------------|----------------------|--------------------------------|-------------------|--------------------|-------------------|-------------------------|----------------------------------|--------------|-----------------|------------|-------------|---------------------|------------|--------------|
| 01912 CITY   | N N N N N Sat 09/01/2007 1P       | JACKSON ASHLAND MEDFORD UA | 2 14 1 0 19.17     |            | LITHIA WAY OAK ST                 | INTER SE 05          | CROSS 0                        | N ONE-WAY         | N CLR N DAY        | S-STRGHT SS-O PDO | 01 NONE RENTL PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 27 M OR-Y N-RES | 045        |             | 000 000             |            | 13 00 13     |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 02 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 17 F OR-Y OR<25 | 000        |             | 000 000             |            | 00 00        |
| 01601 CITY   | N N N N N Sun 06/24/2001 3P       | JACKSON ASHLAND ASHLAND UA | 2 14 1 0 19.17     |            | LITHIA WAY OAK ST                 | INTER SE 06          | CROSS 0                        | N STOP SIGN       | N CLR N DAY        | S-1STOP REAR INJ  | 01 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 47 M OR-Y OR<25 | 026        |             | 000                 |            | 07 07        |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 02 NONE PRVTE PSNGR CAR | STOP SE NW                       | 01 DRVR INJC | 51 F OR-Y OR<25 | 000        |             | 011                 |            |              |
| 01334 CITY   | N N N N N Fri 02/15/2002 12P      | JACKSON ASHLAND ASHLAND UA | 2 14 1 0 19.17     |            | LITHIA WAY OAK ST                 | INTER SE 06          | CROSS 0                        | N STOP SIGN       | N CLR N DAY        | S-1STOP REAR INJ  | 01 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 21 M OR-Y OR>25 | 026        |             | 000 038             |            | 013 02       |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 02 NONE PRVTE PSNGR CAR | STOP SE NW                       | 01 DRVR INJC | 43 F OR-Y OR<25 | 000        |             | 011 013             |            |              |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 03 NONE PRVTE PSNGR CAR | STOP SE NW                       | 01 DRVR NONE | 30 F OR-Y OR<25 | 000        |             | 011                 |            |              |
| 00227 NO RPT | N N N Sat 01/18/2003 4P           | JACKSON ASHLAND ASHLAND UA | 2 14 1 0 19.17     |            | LITHIA WAY OAK ST                 | INTER SE 06          | CROSS 0                        | N TRF SIGNAL      | N CLR N DAY        | S-1STOP REAR INJ  | 01 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 22 F OR-Y OR<25 | 026        |             | 000 000             |            | 004 07 00 07 |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 02 NONE PRVTE PSNGR CAR | STOP SE NW                       | 01 DRVR INJC | 34 F OR-Y OR<25 | 000        |             | 011 004             |            | 00 00        |
| 02541 NONE   | N N N Fri 09/26/2003 6P           | JACKSON ASHLAND ASHLAND UA | 2 14 1 0 19.17     |            | LITHIA WAY OAK ST                 | INTER SE 06          | CROSS 0                        | N UNKNOWN         | N CLR N DAY        | S-1STOP REAR PDO  | 01 NONE PRVTE PSNGR CAR | STRGHT SE NW                     | 01 DRVR NONE | 23 M OR-Y OR<25 | 026        |             | 000 038             |            | 004 07 00 07 |
|              |                                   |                            |                    |            |                                   |                      |                                |                   |                    |                   | 02 NONE PRVTE PSNGR CAR | STOP SE NW                       | 01 DRVR NONE | 19 M OR-Y OR<25 | 000        |             | 011 004             |            | 00 00        |

## 063 ROGUE VALLEY

| SER#   | S D       |            |            | DATE  | COUNTY     | RD#   | FC    | INT-TYP    |        |         |          |           | SPCL USE |      | MOVE | A S  | LICNS | PED  | ERROR | ACTN    | EVENT | CAUSE |           |          |       |         |              |        |      |            |       |      |          |    |          |
|--------|-----------|------------|------------|-------|------------|-------|-------|------------|--------|---------|----------|-----------|----------|------|------|------|-------|------|-------|---------|-------|-------|-----------|----------|-------|---------|--------------|--------|------|------------|-------|------|----------|----|----------|
|        | P R S W   |            |            |       |            |       |       | COMPNT     | CONN # | RD CHAR | (MEDIAN  | INT-REL   | OFFRD    | WTHR |      |      |       |      |       |         |       |       | CRASH TYP | TRLR QTY | OWNER |         |              |        |      |            |       |      |          |    |          |
|        | E A U C O |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       | MLG TYP | FIRST STREET | DIRECT | LEGS | TRAF- CNTL | RNDBT | SURF | COLL TYP | V# | VEH TYPE |
|        | E L G H R | D C S L K  | DAY        |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| 00336  | N N N     | 02/22/2004 | JACKSON    | 1 14  |            | INTER | CROSS | N          |        | N CLR   | S-1STOP  | 01 NONE   | STRGHT   |      |      |      |       |      |       | 004     | 07    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| NO RPT |           | Sun        | ASHLAND    | 1 0   | LITHIA WAY | SE    |       | UNKNOWN    |        | N DRY   | REAR     | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 00    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           | 4P         | MEDFORD UA | 19.17 | OAK ST     | 06    | 0     |            |        | N DAY   | INJ      | PSNGR CAR |          |      | 01   | DRVR | NONE  | 16 F | OR-Y  | 026     | 000   | 07    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | 02 NONE   | STOP     |      |      |      |       |      |       |         | 011   | 004   | 00        |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PSNGR CAR |          |      | 01   | DRVR | INJC  | 32 F | OR-Y  | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| 01368  | N N N     | 07/13/2004 | JACKSON    | 2 14  |            | INTER | CROSS | N          |        | N UNK   | S-1STOP  | 01 NONE   | STRGHT   |      |      |      |       |      |       | 004     | 13    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| NO RPT |           | Tue        | ASHLAND    | 1 0   | LITHIA WAY | SE    |       | ONE-WAY    |        | N UNK   | SS-O     | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 00    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           | 10P        | MEDFORD UA | 19.17 | OAK ST     | 06    | 0     |            |        | N DLIT  | PDO      | PSNGR CAR |          |      | 01   | DRVR | NONE  | 31 M | OR-Y  | 045     | 000   | 13    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | 02 NONE   | STOP     |      |      |      |       |      |       |         | 011   | 004   | 00        |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PSNGR CAR |          |      | 01   | DRVR | NONE  | 18 F | OR-Y  | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| 01124  | N N N     | 06/12/2005 | JACKSON    | 2 14  |            | INTER | CROSS | N          |        | N CLR   | S-1STOP  | 01 NONE   | STRGHT   |      |      |      |       |      |       | 004     | 10,27 |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| CITY   |           | Sun        | ASHLAND    | 1 0   | LITHIA WAY | SE    |       | TRF SIGNAL |        | N DRY   | REAR     | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 00    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           | 12P        | MEDFORD UA | 19.17 | OAK ST     | 06    | 0     |            |        | N DAY   | INJ      | PSNGR CAR |          |      | 01   | DRVR | NONE  | 28 F | OR-Y  | 052,026 | 038   | 10    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | 02 NONE   | STOP     |      |      |      |       |      |       |         | 011   | 004   | 00        |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PSNGR CAR |          |      | 01   | DRVR | INJC  | 24 F | OR-Y  | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| 02008  | N N N     | 10/06/2009 | JACKSON    | 2 14  |            | INTER | CROSS | N          |        | N CLR   | S-1STOP  | 01 NONE   | STRGHT   |      |      |      |       |      |       | 004     | 07    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| NONE   |           | Tue        | ASHLAND    | 1 0   | LITHIA WAY | SE    |       | STOP SIGN  |        | N DRY   | REAR     | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 00    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           | 11A        | MEDFORD UA | 19.17 | OAK ST     | 06    | 0     |            |        | N DAY   | PDO      | PSNGR CAR |          |      | 01   | DRVR | NONE  | 69 F | OR-Y  | 026     | 000   | 07    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | 02 NONE   | STOP     |      |      |      |       |      |       |         | 011   | 004   | 00        |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PRVTE     | NW SE    |      |      |      |       |      |       | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PSNGR CAR |          |      | 01   | DRVR | NONE  | 00 F | UNK   | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| 02702  | N N N     | 12/19/2006 | JACKSON    | 2 14  |            | INTER | CROSS | N          |        | N CLR   | ANGL-OTH | 01 NONE   | STRGHT   |      |      |      |       |      |       |         | 02    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
| NO RPT |           | Tue        | ASHLAND    | 1 0   | LITHIA WAY | CN    |       | STOP SIGN  |        | N DRY   | ANGL     | PRVTE     | SW NE    |      |      |      |       |      |       | 015     | 00    |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           | 4P         | MEDFORD UA | 19.17 | OAK ST     | 02    | 0     |            |        | N UNK   | INJ      | PSNGR CAR |          |      | 01   | DRVR | NONE  | 16 F | OR-Y  | 028     | 000   | 02    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | 02 NONE   | STRGHT   |      |      |      |       |      |       |         | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PRVTE     | SE NW    |      |      |      |       |      |       | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          | PSNGR CAR |          |      | 01   | DRVR | INJC  | 49 F | OR-Y  | 000     | 000   | 00    |           |          |       |         |              |        |      |            |       |      |          |    |          |
|        |           |            |            |       |            |       |       |            |        |         |          |           |          |      |      |      |       |      |       |         |       |       |           |          |       |         |              |        |      |            |       |      |          |    |          |

063 ROGUE VALLEY

OR 99 (Hwy 063) NB @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#   | INVEST    | S D<br>P R S W<br>E A U C O<br>L G H R<br>C S L K | DATE<br>DAY<br>TIME | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | PC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH<br>TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>LICNS<br>RES | PED<br>LOC<br>ERROR | ACTN<br>EVENT | CAUSE |
|--------|-----------|---------------------------------------------------|---------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|-------------------------|-----------------------|-----------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|------------------------|---------------------|---------------|-------|
| 00996  | N N N     |                                                   | 06/20/2008          | JACKSON                      | 2 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                   | O-1TURN               | 01 NONE                           | TURN-L                                    |                    |    |              |              |                  |                        |                     |               | 02    |
| NO RPT |           |                                                   | Fri                 | ASHLAND                      | 1 0                                 | LITHIA WAY                                    | CN                         |                                         | STOP SIGN                | N DRY                   | TURN                  | PRVTE                             | SW NW                                     |                    |    |              |              |                  |                        |                     | 015           | 00    |
|        |           |                                                   | 11A                 | MEDFORD UA                   | 19.17                               | OAK ST                                        | 02                         | 0                                       |                          | N DAY                   | PDO                   | PSNGR CAR                         |                                           |                    | 01 | DRVR         | NONE         | 20 F             | OR-Y                   | 004,028             | 000           | 02    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       |                                   |                                           |                    |    |              |              |                  | OR<25                  |                     |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | 02 NONE                           | STRGHT                                    |                    |    |              |              |                  |                        |                     | 000           | 00    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PRVTE                             | NE SW                                     |                    | 01 | DRVR         | NONE         | 61 M             | OR-Y                   | 000                 | 000           | 00    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PSNGR CAR                         |                                           |                    |    |              |              |                  | OR<25                  |                     |               |       |
| 02658  | N N N N N |                                                   | 10/04/2001          | JACKSON                      | 2 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                   | S-1TURN               | 01 NONE                           | 0 STRGHT                                  |                    |    |              |              |                  |                        |                     |               | 08    |
| NO RPT |           |                                                   | Thu                 | ASHLAND                      | 1 0                                 | LITHIA WAY                                    | CN                         |                                         | ONE-WAY                  | N DRY                   | TURN                  | PRVTE                             | SE NW                                     |                    |    |              |              |                  |                        |                     | 000           |       |
|        |           |                                                   | 8A                  | ASHLAND UA                   | 19.17                               | OAK ST                                        | 03                         | 0                                       |                          | N DAY                   | INJ                   | PSNGR CAR                         |                                           |                    | 01 | DRVR         | NONE         | 57 M             | OR-Y                   | 000                 |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       |                                   |                                           |                    |    |              |              |                  | OR<25                  |                     |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       |                                   |                                           |                    | 02 | PSNG         | INJB         | 09 F             |                        |                     |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | 02 NONE                           | TURN-L                                    |                    |    |              |              |                  |                        |                     | 000           |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PRVTE                             | SE SW                                     |                    | 01 | DRVR         | NONE         | 69 F             | OTH-Y                  | 006                 |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PSNGR CAR                         |                                           |                    |    |              |              |                  | N-RES                  |                     |               | 08    |
| 00297  | N N N     |                                                   | 02/05/2007          | JACKSON                      | 2 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                   | S-1TURN               | 01 NONE                           | STRGHT                                    |                    |    |              |              |                  |                        |                     |               | 07    |
| NONE   |           |                                                   | Mon                 | ASHLAND                      | 1 0                                 | LITHIA WAY                                    | CN                         |                                         | STOP SIGN                | N DRY                   | REAR                  | PRVTE                             | SW NE                                     |                    |    |              |              |                  |                        |                     | 000           | 00    |
|        |           |                                                   | 10A                 | MEDFORD UA                   | 19.17                               | OAK ST                                        | 03                         | 0                                       |                          | N DAY                   | INJ                   | PSNGR CAR                         |                                           |                    | 01 | DRVR         | INJC         | 49 F             | OR-Y                   | 026                 | 000           | 07    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       |                                   |                                           |                    |    |              |              |                  | OR<25                  |                     |               |       |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | 02 NONE                           | STOP                                      |                    |    |              |              |                  |                        |                     | 013           | 00    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PRVTE                             | SW NW                                     |                    | 01 | DRVR         | NONE         | 78 M             | OR-Y                   | 000                 | 000           | 00    |
|        |           |                                                   |                     |                              |                                     |                                               |                            |                                         |                          |                         |                       | PSNGR CAR                         |                                           |                    |    |              |              |                  | OR<25                  |                     |               |       |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 3                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| BACKING           | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 0                        | 4                          | 4                | 0                | 0                 | 0      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 2                        | 2                          | 4                | 0                | 2                 | 0      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| 2005 TOTAL        | 0                | 4                        | 3                          | 7                | 0                | 5                 | 0      | 6           | 1           | 7   | 0    | 7                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 2                        | 1                          | 3                | 0                | 2                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 1                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 3                        | 3                          | 6                | 0                | 3                 | 0      | 5           | 1           | 5   | 1    | 6                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 4                        | 4                          | 8                | 0                | 6                 | 0      | 7           | 1           | 7   | 1    | 8                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 2                        | 1                          | 3                | 0                | 3                 | 0      | 2           | 1           | 3   | 0    | 3                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 3                          | 3                | 0                | 0                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 2                        | 4                          | 6                | 0                | 3                 | 0      | 5           | 1           | 6   | 0    | 6                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 2   | 1    | 3                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 2                        | 4                          | 6                | 0                | 2                 | 0      | 5           | 1           | 5   | 1    | 6                 | 0                            | 0            |

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street

January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| FINAL TOTAL    | 0                | 19                       | 23                         | 42               | 0                | 25                | 0      | 37          | 5           | 38  | 4    | 42                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#   | S<br>E<br>I | D<br>A<br>L | R<br>U<br>C | S<br>O<br>H | W<br>R<br>R | DATE       | COUNTY     | RD#   | FC  | COMPNT  | CONN #       | RD CHAR | INT-TYP  | INT-REL       | OFFRD | WTHR   | CRASH TYP | SPCL USE  | MOVE  | PRTC   | INJ  | A     | S  | LICNS | PED  | ACTN  | EVENT | CAUSE |  |
|--------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------|-----|---------|--------------|---------|----------|---------------|-------|--------|-----------|-----------|-------|--------|------|-------|----|-------|------|-------|-------|-------|--|
| INVEST | D           | C           | S           | L           | K           | TIME       | URBAN AREA | MLG   | TYP | MILEPNT | FIRST STREET | DIRECT  | (#LANES) | TRAF-<br>CNTL | RNDT  | SURF   | COLL TYP  | TRLR QTY  | FROM  | P#     | TYPE | SVRTY | E  | X     | RES  | LOC   | ERROR |       |  |
| 00070  | N           | N           | N           | N           | N           | 01/17/2001 | JACKSON    | 1     | 14  |         |              | INTER   | CROSS    | N             |       | N CLR  | O-1TURN   | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| NO RPT |             |             |             |             |             | Wed        | ASHLAND    | 0     | 0   |         | MAIN ST      | UN      |          | UNKNOWN       |       | N DRY  | TURN      | PRVTE     | NW SE |        |      |       |    |       |      |       | 000   | 08    |  |
|        |             |             |             |             |             | 8A         | ASHLAND UA | 18.64 |     |         | WIMER ST     | 01      | 0        |               |       | N DAY  | PDO       | PSNGR CAR |       | 01     | DRVR | NONE  | 23 | M     | OR-Y | OR<25 | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | 02 NONE   | 0     | TURN-R |      |       |    |       |      |       | 000   | 08    |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PRVTE     | SE W  | 01     | DRVR | NONE  | 51 | M     | OR-Y | OR<25 | 004   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PSNGR CAR |       |        |      |       |    |       |      |       |       |       |  |
| 01958  | N           | N           | N           | N           | N           | 07/07/2000 | JACKSON    | 1     | 14  |         |              | INTER   | CROSS    | N             |       | N RAIN | ANGL-OTH  | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| NO RPT |             |             |             |             |             | Fri        | ASHLAND    | 0     | 0   |         | HERSEY ST    | UN      |          | UNKNOWN       |       | N WET  | ANGL      | PRVTE     | NE SW |        |      |       |    |       |      |       | 000   | 02    |  |
|        |             |             |             |             |             | 4P         | ASHLAND UA | 18.64 |     |         | MAIN ST      | 02      | 0        |               |       | N DAY  | PDO       | PSNGR CAR |       | 01     | DRVR | NONE  | 31 | F     | OR-Y | OR<25 | 028   | 02    |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | 02 NONE   | 0     | STRGHT |      |       |    |       |      |       | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PRVTE     | SE NW | 01     | DRVR | NONE  | 23 | F     | OR-Y | OR<25 | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PSNGR CAR |       |        |      |       |    |       |      |       |       |       |  |
| 03252  | N           | N           | N           | N           | N           | 11/18/2000 | JACKSON    | 1     | 14  |         |              | INTER   | CROSS    | N             |       | N CLR  | S-1STOP   | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| NO RPT |             |             |             |             |             | Sat        | ASHLAND    | 0     | 0   |         | MAIN ST      | SE      |          | UNKNOWN       |       | N DRY  | REAR      | PRVTE     | SE NW |        |      |       |    |       |      |       | 000   | 10    |  |
|        |             |             |             |             |             | 6P         | ASHLAND UA | 18.64 |     |         | WIMER ST     | 04      | 0        |               |       | N DLIT | INJ       | PSNGR CAR |       | 01     | DRVR | NONE  | 22 | F     | OR-Y | OR<25 | 026   | 10    |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | 02 NONE   | 0     | STOP   |      |       |    |       |      |       | 000   | 011   |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PRVTE     | SE NW | 01     | DRVR | INJC  | 46 | F     | OR-Y | OR<25 | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PSNGR CAR |       |        |      |       |    |       |      |       |       |       |  |
| 02648  | N           | N           | N           | N           | N           | 09/24/2000 | JACKSON    | 1     | 14  |         |              | INTER   | CROSS    | N             |       | N CLR  | S-1STOP   | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| NONE   |             |             |             |             |             | Sun        | ASHLAND    | 0     | 0   |         | HERSEY ST    | SE      |          | UNKNOWN       |       | N DRY  | REAR      | PRVTE     | SE NW |        |      |       |    |       |      |       | 000   | 10    |  |
|        |             |             |             |             |             | 1P         | ASHLAND UA | 18.64 |     |         | MAIN ST      | 06      | 0        |               |       | N DAY  | PDO       | PSNGR CAR |       | 01     | DRVR | NONE  | 18 | F     | OR-Y | OR<25 | 026   | 10    |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | 02 NONE   | 0     | STOP   |      |       |    |       |      |       | 000   | 011   |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PRVTE     | SE NW | 01     | DRVR | NONE  | 26 | F     | OR-Y | OR<25 | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PSNGR CAR |       |        |      |       |    |       |      |       |       |       |  |
| 00898  | N           | N           | N           | N           | N           | 04/25/2001 | JACKSON    | 1     | 14  |         |              | INTER   | CROSS    | N             |       | N CLR  | S-1STOP   | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| NO RPT |             |             |             |             |             | Wed        | ASHLAND    | 0     | 0   |         | MAIN ST      | SE      |          | UNKNOWN       |       | N DRY  | REAR      | PRVTE     | SE NW |        |      |       |    |       |      |       | 000   | 10    |  |
|        |             |             |             |             |             | 1P         | ASHLAND UA | 18.64 |     |         | WIMER ST     | 06      | 0        |               |       | N DAY  | PDO       | PSNGR CAR |       | 01     | DRVR | NONE  | 23 | F     | OR-Y | OR<25 | 026   | 10    |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | 02 NONE   | 0     | STOP   |      |       |    |       |      |       | 000   | 011   |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PRVTE     | SE NW | 01     | DRVR | NONE  | 16 | F     | OR-Y | OR<25 | 000   |       |  |
|        |             |             |             |             |             |            |            |       |     |         |              |         |          |               |       |        |           | PSNGR CAR |       |        |      |       |    |       |      |       |       |       |  |
| 03339  | N           | N           | N           | N           | N           | 12/28/2001 | JACKSON    | 1     | 14  |         |              | INTER   | 4-LEG    | N             |       | N CLR  | S-1STOP   | 01 NONE   | 0     | STRGHT |      |       |    |       |      |       |       |       |  |
| CITY   |             |             |             |             |             | Fri        | ASHLAND    | 0     | 0   |         | MAIN ST      | SE      |          | NONE          |       | N DRY  | REAR      | PRVTE     | SE NW |        |      |       |    |       |      |       | 000   | 07    |  |
|        |             |             |             |             |             | 2P         | ASHLAND UA | 18.64 |     |         | WIMER ST     | 06      | 0        |               |       | N DAY  | INJ       | PSNGR CAR |       | 01     | DRVR | INJC  | 34 | F     | OR-Y | OR<25 | 026   | 07    |  |

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| S D     |           |            |            |         |              |         |          |            |       | SPCL USE |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|---------|-----------|------------|------------|---------|--------------|---------|----------|------------|-------|----------|-----------|----------|--------|---------|--------|------|-------|------|-------|------|-------|------|-------|-------|--|--|--|--|--|
| P R S W |           |            |            | RD# FC  |              |         |          | INT-TYP    |       |          |           | TRLR QTY |        |         |        | A S  |       |      |       |      |       |      |       |       |  |  |  |  |  |
| SER#    | E L G H R | DATE       | COUNTY     | COMPNT  | CONN #       | RD CHAR | (MEDIAN) | INT-REL    | OFFRD | WTHR     | CRASH TYP | TRLR     | QTY    | MOVE    | P#     | PRTC | INJ   | G E  | LICNS | PED  | ERROR | ACTN | EVENT | CAUSE |  |  |  |  |  |
| INVEST  | D C S L K | TIME       | URBAN AREA | MLG TYP | FIRST STREET | DIRECT  | (#LANES) | TRAF- CNTL | RNDBT | SURF     | COLL TYP  | VEH      | TYPE   | FROM TO |        | TYPE | SVRTY | X    | RES   | LOC  |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 02       | NONE   | 0       | STOP   |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | SE NW   |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | INJC | 24 F  | OR-Y | 000   |      | 012   |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      | OR<25 |      |       |      |       |       |  |  |  |  |  |
| 02389   | N N N     | 09/21/2003 | JACKSON    | 1 14    |              | INTER   | 4-LEG    | N          |       | CLR      | S-1STOP   | 01       | NONE   |         | STRGHT |      |       |      |       |      |       |      | 013   | 07    |  |  |  |  |  |
| NONE    |           | Sun        | ASHLAND    | 0 0     | MAIN ST      | SE      |          | UNKNOWN    |       | DRY      | REAR      | PRVTE    | SE NW  |         |        |      |       |      |       |      |       | 000  | 00    |       |  |  |  |  |  |
|         |           | 12P        | ASHLAND UA | 18.64   | WIMER ST     | 06      | 0        |            |       | DAY      | PDO       | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 29 M  | OR-Y | 026   | 000  | 07    |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 02       | NONE   |         | STOP   |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | SE NW   |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 67 F  | OR-Y | 000   | 011  | 013   | 00    |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      | OR<25 |      |       | 000  |       | 00    |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 03       | NONE   |         | TURN-L |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | SE W    |        |      |       |      |       |      |       | 022  |       | 00    |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 00 U  | UNK  | 000   | 000  |       | 00    |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
| 02544   | N N N N N | 09/04/2000 | JACKSON    | 1 14    |              | INTER   | CROSS    | N          |       | CLR      | BIKE      | 01       | NONE   | 0       | STRGHT |      |       |      |       |      |       |      |       | 10    |  |  |  |  |  |
| NO RPT  |           | Mon        | ASHLAND    | 0 0     | MAIN ST      | W       |          | STOP SIGN  |       | DRY      | ANGL      | PRVTE    | W E    |         |        |      |       |      |       |      |       | 000  |       |       |  |  |  |  |  |
|         |           | 1P         | ASHLAND UA | 18.64   | WIMER ST     | 06      | 0        |            |       | DAY      | INJ       | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 50 M  | OR-Y | 027   |      | 10    |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          | STRGHT |         | 01     | BIKE | INJB  | 19 F |       | 000  |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          | NE SW  |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
| 00458   | N N N N N | 02/04/2000 | JACKSON    | 1 14    |              | INTER   | CROSS    | N          |       | CLR      | S-1STOP   | 01       | NONE   | 0       | STRGHT |      |       |      |       |      |       |      | 013   | 07    |  |  |  |  |  |
| CITY    |           | Fri        | ASHLAND    | 0 0     | HERSEY ST    | NW      |          | UNKNOWN    |       | DRY      | REAR      | PRVTE    | SE NW  |         |        |      |       |      |       |      |       | 000  |       |       |  |  |  |  |  |
|         |           | 3P         | ASHLAND UA | 18.64   | MAIN ST      | 05      | 0        |            |       | DAY      | PDO       | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 32 M  | OR-Y | 026   |      | 07    |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 02       | NONE   | 0       | STOP   |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | SE NW   |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 49 F  | OR-Y | 000   | 011  | 013   |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 03       | NONE   | 0       | STOP   |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | SE NW   |        |      |       |      |       |      |       | 011  |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 40 M  | OR-Y | 000   |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      | OR<25 |      |       |      |       |       |  |  |  |  |  |
| 00166   | N N N N N | 01/11/2001 | JACKSON    | 1 14    |              | INTER   | CROSS    | N          |       | CLR      | S-1STOP   | 01       | NONE   | 0       | STRGHT |      |       |      |       |      |       |      |       | 10    |  |  |  |  |  |
| NONE    |           | Thu        | ASHLAND    | 0 0     | HERSEY ST    | NW      |          | UNKNOWN    |       | WET      | REAR      | PRVTE    | NW SE  |         |        |      |       |      |       |      |       | 000  |       |       |  |  |  |  |  |
|         |           | 2P         | ASHLAND UA | 18.64   | MAIN ST      | 06      | 0        |            |       | DAY      | INJ       | PSNGR    | CAR    |         |        | 01   | DRVR  | NONE | 20 M  | OR-Y | 026   |      | 10    |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      | OR>25 |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | 02       | NONE   | 0       | STOP   |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PRVTE    |        | NW SE   |        |      |       |      |       |      |       |      |       |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           | PSNGR    | CAR    |         |        | 01   | DRVR  | INJC | 21 F  | OR-Y | 000   |      | 011   |       |  |  |  |  |  |
|         |           |            |            |         |              |         |          |            |       |          |           |          |        |         |        |      |       |      | OR<25 |      |       |      |       |       |  |  |  |  |  |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#   | INVEST    | S<br>P<br>E<br>L<br>D<br>C<br>S<br>L | D<br>R<br>S<br>W<br>A<br>U<br>C<br>O<br>D<br>A<br>T<br>E | CITY       | COUNTY | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC | PED<br>ERROR | ACTN | EVENT | CAUSE |
|--------|-----------|--------------------------------------|----------------------------------------------------------|------------|--------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|---------------|--------------|--------------|------|-------|-------|
| 01390  | N N N     |                                      | 07/09/2004                                               | JACKSON    |        | 1 14                                |                                               | INTER                      | CROSS                                   | N                        |                          | N CLR                 | S-1STOP                        | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |      | 07    |       |
| CITY   |           |                                      | Fri                                                      | ASHLAND    |        | 0 0                                 | HERSEY ST                                     | NW                         |                                         | UNKNOWN                  |                          | N DRY                 | REAR                           | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 000  | 00    |       |
|        |           |                                      | 2P                                                       | MEDFORD UA |        | 18.64                               | MAIN ST                                       | 06                         | 0                                       |                          |                          | N DAY                 | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 23 M             | OR-Y          | OR<25        | 043          | 000  | 07    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 NONE                                   | STOP               |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 012  | 00    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 61 F             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
| 02092  | N N N     |                                      | 10/02/2005                                               | JACKSON    |        | 1 14                                |                                               | INTER                      | CROSS                                   | N                        |                          | N CLR                 | S-1STOP                        | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |      | 07    |       |
| NO RPT |           |                                      | Sun                                                      | ASHLAND    |        | 0 0                                 | HERSEY ST                                     | NW                         |                                         | UNKNOWN                  |                          | N DRY                 | REAR                           | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 000  | 00    |       |
|        |           |                                      | 10A                                                      | MEDFORD UA |        | 18.64                               | MAIN ST                                       | 06                         | 0                                       |                          |                          | N DAY                 | INJ                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 24 M             | OR-Y          | OR>25        | 026          | 000  | 07    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 NONE                                   | STOP               |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 012  | 00    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | INJC         | 23 F             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                |                                           |                    |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 PSNG                                   | INJB               |    |              |              |                  |               |              |              | 000  | 000   | 00    |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 03 PSNG                                   | NO<5               |    |              |              |                  |               |              |              | 000  | 000   | 00    |
| 00768  | N N N N N |                                      | 03/07/2000                                               | JACKSON    |        | 1 14                                |                                               | INTER                      | 4-LEG                                   | N                        |                          | N CLD                 | O-1TURN                        | 01 NONE                                   | 0 STRGHT           |    |              |              |                  |               |              |              |      | 02    |       |
| CITY   |           |                                      | Tue                                                      | ASHLAND    |        | 0 0                                 | MAIN ST                                       | CN                         |                                         | UNKNOWN                  |                          | N DRY                 | TURN                           | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 000  |       |       |
|        |           |                                      | 10A                                                      | ASHLAND UA |        | 18.64                               | WIMER ST                                      | 01                         | 0                                       |                          |                          | N DAY                 | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 22 F             | OR-Y          | OR>25        | 000          |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 NONE                                   | 0 TURN-L           |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PRVTE                                     | SE W               |    |              |              |                  |               |              |              | 000  |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 42 F             | OR-Y          | OR<25        | 004          |      | 02    |       |
| 01435  | N N N N N |                                      | 06/07/2001                                               | JACKSON    |        | 1 14                                |                                               | INTER                      | CROSS                                   | N                        |                          | N CLR                 | ANGL-OTH                       | 01 NONE                                   | 0 TURN-L           |    |              |              |                  |               |              |              |      | 02    |       |
| CITY   |           |                                      | Thu                                                      | ASHLAND    |        | 0 0                                 | HERSEY ST                                     | CN                         |                                         | STOP SIGN                |                          | N DRY                 | TURN                           | PRVTE                                     | NE SE              |    |              |              |                  |               |              |              | 015  |       |       |
|        |           |                                      | 12P                                                      | ASHLAND UA |        | 18.64                               | MAIN ST                                       | 01                         | 0                                       |                          |                          | N DAY                 | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 67 F             | OR-Y          | OR<25        | 028          |      | 02    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 NONE                                   | 0 STRGHT           |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PRVTE                                     | SE NW              |    |              |              |                  |               |              |              | 000  |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 47 M             | OR-Y          | OR<25        | 000          |      |       |       |
| 02235  | N N N     |                                      | 08/18/2003                                               | JACKSON    |        | 1 14                                |                                               | INTER                      | 4-LEG                                   | N                        |                          | N CLR                 | O-1TURN                        | 01 NONE                                   | STRGHT             |    |              |              |                  |               |              |              |      | 08    |       |
| NO RPT |           |                                      | Mon                                                      | ASHLAND    |        | 0 0                                 | MAIN ST                                       | CN                         |                                         | UNKNOWN                  |                          | N DRY                 | TURN                           | PRVTE                                     | NW SE              |    |              |              |                  |               |              |              | 000  | 00    |       |
|        |           |                                      | 9A                                                       | ASHLAND UA |        | 18.64                               | WIMER ST                                      | 01                         | 0                                       |                          |                          | N DAY                 | PDO                            | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 46 M             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | 02 NONE                                   | TURN-L             |    |              |              |                  |               |              |              |      |       |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PRVTE                                     | SE W               |    |              |              |                  |               |              |              | 000  | 00    |       |
|        |           |                                      |                                                          |            |        |                                     |                                               |                            |                                         |                          |                          |                       |                                | PSNGR CAR                                 |                    | 01 | DRVR         | NONE         | 71 F             | OR-Y          | OR<25        | 004          | 000  | 08    |       |

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063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S<br>P<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>A<br>U<br>C<br>O<br>DATE | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC | PED<br>ERROR | ACTN | EVENT | CAUSE |
|-------|--------|-------------------------------------------|----------------------------------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|---------------|--------------|--------------|------|-------|-------|
| 02666 | NO RPT | NNN                                       | 10/12/2003                                   | JACKSON                      | 1 14                                |                                               | INTER                      | 4-LEG                                   | N                        | N CLR                    | O-1TURN               | 01 NONE                        | TURN-L                                    |                    |    |              |              |                  |               |              |              |      |       | 08    |
|       |        |                                           | Sun                                          | ASHLAND                      | 0 0                                 | MAIN ST                                       | CN                         |                                         | UNKNOWN                  | N DRY                    | TURN                  | PRVTE                          | SE W                                      |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           | 5P                                           | ASHLAND UA                   | 18.64                               | WIMER ST                                      | 01                         | 0                                       |                          | N DAY                    | PDO                   | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 17 F             | OR-Y          | OR<25        | 004          | 000  | 08    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 02 NONE                        | STRGHT                                    |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | NW SE                                     |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 54 F             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
| 01673 | CITY   | NNNN                                      | 06/24/2002                                   | JACKSON                      | 1 16                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                    | O-1TURN               | 01 NONE                        | 1 STRGHT                                  |                    |    |              |              |                  |               |              |              | 000  | 013   | 08    |
|       |        |                                           | Mon                                          | ASHLAND                      | 0 0                                 | HERSEY ST                                     | CN                         |                                         | UNKNOWN                  | N DRY                    | TURN                  | PRVTE                          | SE NW                                     |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           | 3P                                           | ASHLAND UA                   | 18.64                               | MAIN ST                                       | 02                         | 0                                       |                          | N DAY                    | INJ                   | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 66 M             | OR-Y          | OR<25        | 000          |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 02 NONE                        | 0 TURN-L                                  |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | NW NE                                     |                    |    |              |              |                  |               |              |              | 000  | 013   | 08    |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | INJB         | 83 M             | OR-Y          | OR<25        | 004          |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 03 NONE                        | 0 STOP                                    |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | NE SW                                     |                    |    |              |              |                  |               |              |              | 000  | 011   |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 44 M             | OR-Y          | OR<25        | 000          |      |       |       |
| 03122 | CITY   | NNN                                       | 11/05/2003                                   | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                    | O-1TURN               | 01 NONE                        | TURN-L                                    |                    |    |              |              |                  |               |              |              |      | 082   | 08    |
|       |        |                                           | Wed                                          | ASHLAND                      | 0 0                                 | HERSEY ST                                     | CN                         |                                         | NONE                     | N DRY                    | TURN                  | PRVTE                          | NW NE                                     |                    |    |              |              |                  |               |              |              | 000  |       | 00    |
|       |        |                                           | 7P                                           | ASHLAND UA                   | 18.64                               | MAIN ST                                       | 02                         | 0                                       |                          | N DLIT                   | INJ                   | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 31 M             | OR-Y          | OR<25        | 004          | 000  | 082   | 08    |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 02 NONE                        | STRGHT                                    |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | SE NW                                     |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | INJC         | 62 F             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
| 01014 | NO RPT | NNN                                       | 05/11/2005                                   | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                    | ANGL-OTH              | 01 NONE                        | TURN-L                                    |                    |    |              |              |                  |               |              |              |      |       | 02    |
|       |        |                                           | Wed                                          | ASHLAND                      | 0 0                                 | HERSEY ST                                     | CN                         |                                         | STOP SIGN                | N DRY                    | TURN                  | PRVTE                          | E SE                                      |                    |    |              |              |                  |               |              |              | 015  | 00    |       |
|       |        |                                           | 4P                                           | MEDFORD UA                   | 18.64                               | MAIN ST                                       | 03                         | 0                                       |                          | N DAY                    | PDO                   | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 00 M             | OTH-Y         | N-RES        | 028          | 000  | 00    | 02    |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 02 NONE                        | TURN-L                                    |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | NW E                                      |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 58 F             | OR-Y          | OR<25        | 000          | 000  | 00    |       |
| 02108 | CITY   | NNN                                       | 10/05/2005                                   | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                   | N                        | N CLR                    | ANGL-OTH              | 01 NONE                        | STRGHT                                    |                    |    |              |              |                  |               |              |              |      |       | 03    |
|       |        |                                           | Wed                                          | ASHLAND                      | 0 0                                 | MAIN ST                                       | CN                         |                                         | STOP SIGN                | N DRY                    | TURN                  | PRVTE                          | NW SE                                     |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           | 8A                                           | MEDFORD UA                   | 18.64                               | WIMER ST                                      | 03                         | 0                                       |                          | N DAY                    | PDO                   | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 28 M             | OR-Y          | OR<25        | 000          | 000  | 00    | 00    |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | 02 NONE                        | TURN-R                                    |                    |    |              |              |                  |               |              |              |      |       |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PRVTE                          | W SE                                      |                    |    |              |              |                  |               |              |              | 000  | 00    |       |
|       |        |                                           |                                              |                              |                                     |                                               |                            |                                         |                          |                          |                       | PSNGR CAR                      |                                           |                    | 01 | DRVR         | NONE         | 21 M             | OR-Y          | OR<25        | 021          | 000  | 03    |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S<br>E<br>D<br>A<br>U<br>C<br>O<br>L<br>K | D<br>R<br>S<br>W<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | DATE       | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>TYP<br>FIRST STREET<br>SECOND STREET | CONN # | INT-TYP<br>(MEDIAN)<br>LEGS<br>TRAFF-<br>CNTL | INT-REL    | OFFRD<br>RNDT<br>DRVWY | WTHR<br>SURF<br>LIGHT      | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO   | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>L<br>I<br>C<br>N<br>S<br>R<br>E<br>S | PED<br>LOC    | ERROR | ACTN | EVENT   | CAUSE |
|-------|--------|-------------------------------------------|---------------------------------------------------------------|------------|----------------------------------|-------------------------------------|--------------------------------------------|--------|-----------------------------------------------|------------|------------------------|----------------------------|--------------------------------|-------------------------------------------|----------------------|----|--------------|--------------|------------------|------------------------------------------------|---------------|-------|------|---------|-------|
| 01559 | NONE   | N N N N N                                 |                                                               | 06/15/2001 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN                                   | CROSS<br>0 | N<br>UNKNOWN           | N<br>CLR<br>N DAY          | ANGL-OTH<br>TURN<br>PDO        | 01<br>NONE<br>PRVTE<br>PSNGR CAR          | 0<br>TURN-R<br>SW SE |    |              |              | 00<br>M          | OTH-Y<br>N-RES                                 |               | 028   | 000  |         | 02    |
|       |        |                                           |                                                               | 12P        |                                  |                                     |                                            |        |                                               |            |                        |                            |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | 0<br>STRGHT<br>NW SE |    | 01           | DRVR         | NONE             | 73<br>M                                        | OR-Y<br>OR<25 | 000   |      | 000     | 02    |
| 02034 | CITY   | N N N                                     |                                                               | 08/01/2003 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>MAIN ST<br>WIMER ST             |        | INTER<br>CN                                   | 4-LEG<br>0 | N<br>STOP SIGN         | N<br>CLR<br>N DAY          | ANGL-OTH<br>TURN<br>INJ        | 01<br>NONE<br>PRVTE<br>PSNGR CAR          | STRGHT<br>NW SE      |    | 01           | DRVR         | INJB             | 53<br>F                                        | OR-Y<br>OR<25 | 000   | 000  | 082     | 02    |
|       |        |                                           |                                                               | 4P         |                                  |                                     |                                            |        |                                               |            |                        |                            |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>SW NW      |    | 01           | DRVR         | NONE             | 17<br>F                                        | OR-Y<br>OR<25 | 028   | 000  | 082     | 00    |
| 03294 | NO RPT | N N N                                     |                                                               | 12/19/2003 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN                                   | CROSS<br>0 | N<br>UNKNOWN           | N<br>CLD<br>N WET<br>N DAY | O-1TURN<br>TURN<br>PDO         | 01<br>NONE<br>PRVTE<br>PSNGR CAR          | STRGHT<br>SE NW      |    | 01           | DRVR         | NONE             | 00<br>U                                        | UNK<br>UNK    | 000   | 000  |         | 08    |
|       |        |                                           |                                                               | 4P         |                                  |                                     |                                            |        |                                               |            |                        |                            |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>NW E       |    | 01           | DRVR         | NONE             | 44<br>M                                        | OR-Y<br>OR<25 | 004   | 000  |         | 00    |
| 01105 | CITY   | N N N                                     |                                                               | 06/05/2004 | JACKSON<br>ASHLAND<br>MEDFORD UA | 1<br>0<br>18.64                     | 14<br>0<br>HERSEY ST<br>MAIN ST            |        | INTER<br>CN                                   | CROSS<br>0 | N<br>UNKNOWN           | N<br>CLR<br>N DRY<br>N DAY | O-1TURN<br>TURN<br>INJ         | 01<br>NONE<br>PRVTE<br>PSNGR CAR          | STRGHT<br>SE NW      |    | 01           | DRVR         | INJB             | 43<br>F                                        | OR-Y<br>OR<25 | 000   | 000  | 082     | 08    |
|       |        |                                           |                                                               | Sat<br>3P  |                                  |                                     |                                            |        |                                               |            |                        |                            |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | TURN-L<br>NW E       |    | 01           | DRVR         | NONE             | 23<br>M                                        | OR-Y<br>OR<25 | 004   | 000  | 082     | 08    |
| 01826 | CITY   | N N N                                     |                                                               | 07/14/2003 | JACKSON<br>ASHLAND<br>ASHLAND UA | 1<br>0<br>18.65                     | 14<br>0<br>MAIN ST<br>WIMER ST             |        | INTER<br>SE                                   | 4-LEG<br>0 | N<br>NONE              | N<br>CLR<br>N DRY<br>N DAY | S-1STOP<br>REAR<br>INJ         | 01<br>NONE<br>PRVTE<br>PSNGR CAR          | STRGHT<br>SE NW      |    | 01           | DRVR         | NONE             | 26<br>M                                        | OR-Y<br>OR<25 | 043   | 000  | 013     | 07    |
|       |        |                                           |                                                               | Mon<br>8A  |                                  |                                     |                                            |        |                                               |            |                        |                            |                                | 02<br>NONE<br>PRVTE<br>PSNGR CAR          | STOP<br>SE NW        |    | 01           | DRVR         | INJC             | 23<br>M                                        | OR-Y<br>OR<25 | 000   | 000  | 011 013 | 00    |
|       |        |                                           |                                                               |            |                                  |                                     |                                            |        |                                               |            |                        |                            |                                |                                           |                      |    | 02           | PSNG         | INJC             | 22<br>F                                        |               | 000   | 000  |         | 00    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST | S<br>P<br>E<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>A<br>U<br>C<br>O<br>DATE | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RNDBT<br>DRVWY   | WTHR<br>SURF<br>LIGHT   | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO            | P#                    | TYPE            | INJ<br>SVRTY    | A<br>G<br>E<br>X      | S<br>E<br>RES  | LICNS<br>LOC | PED<br>ERROR | ACTN     | EVENT          | CAUSE |
|-------|--------|------------------------------------------------|----------------------------------------------|----------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|---------------------------|-------------------------|--------------------------------|-------------------------------------------|-------------------------------|-----------------------|-----------------|-----------------|-----------------------|----------------|--------------|--------------|----------|----------------|-------|
| 00498 | CITY   | N N N N N                                      | 03/13/2009<br>Fri<br>4P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                | MAIN ST<br>WIMER ST                           | INTER<br>SE<br>06          | 4-LEG<br>0                              | N<br>NONE                | N CLR<br>N DRY<br>N DAY   | S-1STOP<br>REAR<br>INJ  | 03 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             | 01 NONE<br>PRVTE<br>PSNGR CAR | 0                     | STRGHT<br>SE NW | 01 DRVR<br>NONE | 45 F<br>OR-Y<br>OR<25 | 000            | 012<br>000   |              | 00<br>00 |                |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         |                                |                                           |                               |                       |                 |                 |                       |                |              |              | 093      | 07<br>00<br>07 |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             | 01 DRVR<br>INJC               | 24 F<br>OR-Y<br>OR<25 | 000             | 012<br>000      |                       | 00<br>00       |              |              |          |                |       |
| 01544 | CITY   | N N N                                          | 08/16/2007<br>Thu<br>12P                     | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                | MAIN ST<br>WIMER ST                           | INTER<br>S<br>06           | 4-LEG<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY   | ANGL-STP<br>TURN<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR  | TURN-R<br>W SE                            | 01 DRVR<br>NONE               | 56 F<br>OR-Y<br>OR<25 | 043             | 015<br>000      |                       | 07<br>00<br>07 |              |              |          |                |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>NW SE                             | 01 DRVR<br>NONE               | 36 M<br>OR-Y<br>OR<25 | 000             | 012<br>000      |                       | 00<br>00       |              |              |          |                |       |
| 01562 | NONE   | N N N                                          | 07/21/2006<br>Fri<br>3P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                | MAIN ST<br>WIMER ST                           | INTER<br>CN<br>01          | 4-LEG<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY   | O-1TURN<br>TURN<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>SE W                            | 01 DRVR<br>NONE               | 00 F<br>UNK<br>UNK    | 004,028         | 000<br>000      |                       | 02<br>00<br>02 |              |              |          |                |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>NW SE                           | 01 DRVR<br>NONE               | 58 M<br>OR-Y<br>OR<25 | 000             | 000<br>000      |                       | 00<br>00       |              |              |          |                |       |
| 02279 | CITY   | N N N N N                                      | 11/24/2009<br>Tue<br>11A                     | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                | MAIN ST<br>WIMER ST                           | INTER<br>CN<br>01          | CROSS<br>0                              | N<br>NONE                | N CLR<br>N DRY<br>N DAY   | O-1TURN<br>TURN<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>SE W                            | 01 DRVR<br>NONE               | 21 M<br>OR-Y<br>OR-?  | 004             | 000<br>000      |                       | 02<br>00<br>02 |              |              |          |                |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>NW SE                           | 01 DRVR<br>NONE               | 60 M<br>OR-Y<br>OR<25 | 000             | 000<br>000      |                       | 00<br>00       |              |              |          |                |       |
| 00036 | CITY   | N N N                                          | 01/11/2007<br>Thu<br>5P                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.65                | MAIN ST<br>WIMER ST                           | INTER<br>CN<br>04          | 4-LEG<br>0                              | N<br>NONE                | N SNOW<br>N WET<br>N DLIT | O-1TURN<br>TURN<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           | 01 DRVR<br>INJC               | 23 F<br>OR-Y<br>OR<25 | 000             | 000<br>000      |                       | 02<br>00<br>00 |              |              |          |                |       |
|       |        |                                                |                                              |                                  |                                     |                                               |                            |                                         |                          |                           |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>NW E                            | 01 DRVR<br>INJC               | 55 F<br>OR-Y<br>OR<25 | 004,028         | 000<br>000      | 082                   | 00<br>00       | 02           |              |          |                |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#            | INVEST | S<br>P<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>O<br>U<br>G<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>TYP<br>FIRST STREET<br>SECOND STREET | CONN # | INT-TYP<br>DIRECT<br>LOCTN | (MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RDNBT<br>DRVMY  | WTHR<br>SURF<br>LIGHT   | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES | LICNS<br>LOC | PED<br>ERROR | ACTN<br>EVENT        | CAUSE |
|-----------------|--------|-------------------------------------------|------------------------------------------------------------------------------|----------------------------------|-------------------------------------|--------------------------------------------|--------|----------------------------|------------------------------|--------------------------|--------------------------|-------------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|---------------|--------------|--------------|----------------------|-------|
| 00863<br>NONE   | N N N  |                                           | 05/20/2008<br>Tue<br>3P                                                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                       |        | INTER<br>SE<br>06          | 3-LEG<br>0                   | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 19 M             | OR-Y<br>OR<25 | 026          | 000<br>000   | 07<br>00<br>07       |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             |                    | 01 | DRVR         | INJC         | 31 F             | OR-Y<br>OR<25 | 000          | 011<br>000   | 00<br>00             |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         |                                |                                           |                    | 02 | PSNG         | INJC         | 66 F             |               | 000          | 000          | 00                   |       |
| 02350<br>NO RPT | Y N N  |                                           | 11/04/2009<br>Wed<br>7P                                                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                       |        | INTER<br>SE<br>06          | CROSS<br>0                   | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DLIT | S-1STOP<br>REAR<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 41 F             | OR-Y<br>OR-?  | 047,026      | 000<br>000   | 01,07<br>00<br>01,07 |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STOP<br>SE NW                             |                    | 01 | DRVR         | NONE         | 49 F             | OR-Y<br>OR-?  | 000          | 011<br>000   | 00<br>00             |       |
| 91287<br>CITY   | N N N  |                                           | 06/18/2005<br>Sat<br>8A                                                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                       |        | INTER<br>CN<br>02          | CROSS<br>0                   | N<br>STOP SIGN           | N RAIN<br>N WET<br>N DAY | ANGL-OTH<br>ANGL<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>SE NW                           |                    | 01 | DRVR         | NONE         | 26 F             | OR-Y<br>OR<25 | 000          | 000<br>000   | 03<br>00<br>00       |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>NE SW                           |                    | 01 | DRVR         | NONE         | 28 M             | OR-Y<br>OR<25 | 021,028      | 088<br>000   | 00<br>03             |       |
| 01843<br>CITY   | N N N  |                                           | 09/09/2004<br>Thu<br>2P                                                      | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                       |        | INTER<br>CN<br>04          | CROSS<br>0                   | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY  | O-1TURN<br>TURN<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>N E                             |                    | 01 | DRVR         | INJB         | 78 F             | OR-Y<br>OR<25 | 004,028      | 088<br>000   | 040,053<br>00<br>02  |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | STRGHT<br>S N                             |                    | 01 | DRVR         | NONE         | 39 M             | OR-Y<br>OR<25 | 000          | 000<br>000   | 040,053<br>00<br>00  |       |
| 02170<br>NO RPT | N N N  |                                           | 10/25/2006<br>Wed<br>12P                                                     | JACKSON<br>ASHLAND<br>MEDFORD UA | 1 14<br>0 0<br>18.66                | HERSEY ST<br>MAIN ST                       |        | INTER<br>CN<br>04          | CROSS<br>0                   | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-OTHER<br>BACK<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | BACK<br>NW SE                             |                    | 01 | DRVR         | NONE         | 18 F             | OR-Y<br>OR<25 | 011          | 000<br>000   | 10<br>00<br>10       |       |
|                 |        |                                           |                                                                              |                                  |                                     |                                            |        |                            |                              |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | TURN-L<br>NW E                            |                    | 01 | DRVR         | NONE         | 65 F             | OR-Y<br>OR<25 | 000          | 000<br>000   | 00<br>00<br>00       |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| S D    |           | P R S W    |            | RD# FC  |              | INT-TYP |          | SPCL USE   |            | A S       |           | PED    |          | ACTN       |         | EVENT         |     | CAUSE |    |
|--------|-----------|------------|------------|---------|--------------|---------|----------|------------|------------|-----------|-----------|--------|----------|------------|---------|---------------|-----|-------|----|
| SER#   | E A U C O | DATE       | COUNTY     | COMPNT  | CONN #       | RD CHAR | (MEDIAN) | INT-REL    | OFFRD WTHR | CRASH TYP | TRLR QTY  | MOVE   | PRTC INJ | G E LICNS  | LOC     | ERROR         |     |       |    |
| INVEST | D C S L K | TIME       | URBAN AREA | MILEPNT | FIRST STREET | DIRECT  | LEGS     | TRAF- CNTL | RNDBT SURF | COLL TYP  | OWNER     | FROM   | P#       | TYPE SVRTY | E X RES |               |     |       |    |
| 02391  | N N N     | 11/09/2005 | JACKSON    | 1 14    |              | INTER   | CROSS    | N          | N CLR      | O-1TURN   | 01 NONE   | STRGHT |          |            |         |               | 082 |       | 08 |
| CITY   |           | Wed        | ASHLAND    | 1 0     | HERSEY ST    | CN      |          | NONE       | N DRY      | TURN      | PRVTE     | SE NW  |          |            |         |               | 000 |       | 00 |
|        |           | 2P         | MEDFORD UA | 18.64   | MAIN ST      | 04      | 0        |            | N DAY      | INJ       | PSNGR CAR |        | 01       | DRVR INJC  | 57 F    | OR-Y<br>OR<25 | 000 | 000   | 00 |
|        |           |            |            |         |              |         |          |            |            |           | 02 NONE   | TURN-L |          |            |         |               | 000 |       | 00 |
|        |           |            |            |         |              |         |          |            |            |           | PRVTE     | NW E   |          |            |         |               | 000 | 082   | 08 |
|        |           |            |            |         |              |         |          |            |            |           | PSNGR CAR |        | 01       | DRVR NONE  | 18 M    | OR-Y<br>OR<25 | 004 |       |    |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 99 (Hwy 063) SB @ Hersey Street / Wimer Street  
January 1, 2000 through December 31, 2009

| SER#          | S<br>P<br>E<br>I | D<br>R<br>U<br>L | C<br>O<br>H<br>R | DATE                     | CLASS   | CITY STREET          | RD CHAR           | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL        | OFF-RD | WTHR              | CRASH TYP               | SPCL USE<br>TRLR QTY<br>OWNER | MOVE                       | A                                  | S  | PED  | ACTN | EVENT | CAUSE |               |     |     |       |                |                |                   |
|---------------|------------------|------------------|------------------|--------------------------|---------|----------------------|-------------------|-----------------------------------------|----------------|--------|-------------------|-------------------------|-------------------------------|----------------------------|------------------------------------|----|------|------|-------|-------|---------------|-----|-----|-------|----------------|----------------|-------------------|
| INVEST        | C                | L                | K                | TIME                     | FROM    | SECOND STREET        | LOCTN             |                                         | CONTL          | DRVWY  | LIGHT             | SVRTY                   | V#                            | VEH TYPE                   | TO                                 | P# | PRTC | INJ  | SVRTY | E     | X             | RES | LOC | ERROR |                |                |                   |
| 01519<br>CITY | N                | N                | N                | 06/19/2003<br>Thu<br>12P | 16<br>0 | HERSEY ST<br>MAIN ST | INTER<br>NE<br>06 | 3-LEG<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | BIKE<br>TURN<br>INJ     |                               |                            |                                    |    |      |      |       |       |               |     | 060 |       | 040            |                | 02,10             |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         | 01                            | NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE<br>TURN-R<br>NE NW | 01 | BIKE | INJB | 14    | M     |               |     |     |       |                |                | 10                |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       | 015<br>000     |                | 00<br>02          |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
| 00170<br>CITY | N                | N                | N                | 01/24/2005<br>Mon<br>7A  | 16<br>0 | HERSEY ST<br>MAIN ST | INTER<br>E<br>06  | CROSS<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | BIKE<br>TURN<br>INJ     | 01                            | NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>E NW                     | 01 | DRVR | NONE | 49    | F     | OR-Y<br>OR<25 |     | 027 |       | 015<br>000     |                | 02,10<br>00<br>02 |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                | 10             |                   |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
| 00828<br>CITY | N                | N                | N                | 04/27/2007<br>Fri<br>2P  | 17<br>0 | HERSEY ST<br>MAIN ST | INTER<br>E<br>06  | CROSS<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | PED<br>PED<br>INJ       | 01                            | NONE<br>PRVTE<br>PSNGR CAR | TURN-R<br>E NW                     | 01 | DRVR | NONE | 62    | M     | OR-Y<br>OR<25 |     | 029 |       | 015<br>000     |                | 02<br>00<br>02    |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                | 00             |                   |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
| 01106<br>CITY | N                | N                | N                | 06/11/2005<br>Sat<br>1P  | 17<br>0 | MAIN ST<br>WIMER ST  | INTER<br>W<br>06  | 4-LEG<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | ANGL-STP<br>ANGL<br>INJ | 01                            | NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE                    | 01 | DRVR | NONE | 26    | M     | OR-Y<br>OR<25 |     | 080 |       |                | 092<br>007 092 | 10,26<br>26<br>10 |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         | 02                            | NONE<br>PRVTE<br>PSNGR CAR | STOP<br>W E                        | 01 | DRVR | INJC | 41    | F     | OR-Y<br>OR<25 |     | 000 |       | 012<br>000     |                | 00<br>00          |
| 00956<br>NONE | N                | N                | N                | 05/02/2006<br>Tue<br>8A  | 17<br>0 | MAIN ST<br>WIMER ST  | INTER<br>W<br>06  | 4-LEG<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | S-1STOP<br>REAR<br>PDO  | 01                            | NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>W E                      | 01 | DRVR | NONE | 00    | F     | OR-Y<br>OR<25 |     | 026 |       | 000<br>000     |                | 10<br>00<br>10    |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         | 02                            | NONE<br>PRVTE<br>PSNGR CAR | STOP<br>W E                        | 01 | DRVR | NONE | 61    | M     | OR-Y<br>OR<25 |     | 000 |       | 011<br>000     |                | 00<br>00          |
| 01537<br>NONE | N                | N                | N                | 07/17/2006<br>Mon<br>10A | 17<br>0 | MAIN ST<br>WIMER ST  | INTER<br>W<br>06  | 4-LEG<br>0                              | N<br>STOP SIGN | N<br>N | CLR<br>DRY<br>DAY | O-1STOP<br>BACK<br>PDO  | 01                            | NONE<br>PRVTE<br>PSNGR CAR | BACK<br>E W                        | 01 | DRVR | NONE | 29    | M     | OR-Y<br>OR<25 |     | 011 |       | 000 092<br>000 |                | 10,26<br>26<br>10 |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         |                               |                            |                                    |    |      |      |       |       |               |     |     |       |                |                |                   |
|               |                  |                  |                  |                          |         |                      |                   |                                         |                |        |                   |                         | 02                            | NONE<br>PRVTE<br>PSNGR CAR | STOP<br>W E                        | 01 | DRVR | NONE | 27    | F     | OR-Y<br>OR<25 |     | 000 |       | 011<br>000     |                | 00<br>00          |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

OR 99 (Hwy 063) SB @ Oak Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE         | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|------------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2008             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| 2008 TOTAL             | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2007             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS      | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2007 TOTAL             | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2005             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS      | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2003             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 0                        | 3                          | 3                | 0                | 0                 | 0      | 2           | 1           | 2   | 1    | 3                 | 0                            | 0            |
| 2003 TOTAL             | 0                | 0                        | 5                          | 5                | 0                | 0                 | 0      | 4           | 1           | 4   | 1    | 5                 | 0                            | 0            |
| YEAR: 2002             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 2                        | 0                          | 2                | 0                | 3                 | 1      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 1                        | 1                          | 2                | 0                | 2                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2002 TOTAL             | 0                | 3                        | 1                          | 4                | 0                | 5                 | 1      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| YEAR: 2001             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END               | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| SIDESWIPE - OVERTAKING | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| 2001 TOTAL             | 0                | 0                        | 4                          | 4                | 0                | 0                 | 0      | 4           | 0           | 3   | 1    | 4                 | 0                            | 0            |
| YEAR: 2000             |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                  | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| PEDESTRIAN             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS      | 0                | 0                        | 4                          | 4                | 0                | 0                 | 0      | 4           | 0           | 4   | 0    | 4                 | 0                            | 0            |
| 2000 TOTAL             | 0                | 1                        | 5                          | 6                | 0                | 1                 | 0      | 6           | 0           | 5   | 1    | 6                 | 0                            | 0            |
| FINAL TOTAL            | 0                | 7                        | 18                         | 25               | 0                | 9                 | 1      | 24          | 1           | 21  | 4    | 25                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



OR 99 (Hwy 063) SB @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#            | INVEST    | S D<br>P R S W<br>E A U C O<br>E L G H R<br>D C S L K | DATE<br>DAY<br>TIME              | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RNDBT            | WTHR<br>SURF<br>DRVWY         | CRASH<br>COLL TYP<br>LIGHT SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO     | P#  | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G E<br>X | S<br>E<br>RES | LICNS<br>PED<br>LOC | ERROR | ACTN<br>EVENT | CAUSE |
|-----------------|-----------|-------------------------------------------------------|----------------------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|---------------------------|-------------------------------|----------------------------------|-------------------------------------------|------------------------|-----|--------------|--------------|---------------|---------------|---------------------|-------|---------------|-------|
| 03158<br>CITY   | N N N N N | 11/13/2002<br>Wed<br>1P                               | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 16<br>0 0<br>19.11         | E MAIN ST<br>OAK ST                 | INTER<br>CN<br>04                             | CROSS<br>0                 | N<br>TRF SIGNAL                         | N<br>CLR<br>N DAY        | ANGLED-OTH<br>TURN<br>INJ | 01 NONE<br>PRVTE<br>PSNGR CAR | 0 TURN-L<br>NE SE                | 01 DRVR<br>INJC                           | 34 M<br>OR-Y<br>OR<25  | 026 | 000<br>038   | 04           |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           | 02 NONE<br>PRVTE<br>PSNGR CAR | 0 TURN-L<br>NW NE                | 01 DRVR<br>NONE                           | 85 M<br>OR-Y<br>OR<25  | 000 | 000          |              |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           | 03 NONE<br>PRVTE<br>PSNGR CAR | 0 PRKD-P<br>SW NE                | 02 PSNG<br>INJC                           | 27 F                   |     | 008          |              |               |               |                     |       |               |       |
| 02323<br>NONE   | N N N N N | 08/15/2000<br>Tue<br>3P                               | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19         | E MAIN ST<br>OAK ST                 | INTER<br>UN<br>01                             | CROSS<br>0                 | N<br>UNKNOWN                            | N<br>CLR<br>N DAY        | O-1TURN<br>TURN<br>PDO    | 01 NONE<br>PRVTE<br>PSNGR CAR | 0 STRGHT<br>NE SW                | 01 DRVR<br>NONE                           | 50 F<br>OR-Y<br>OR<25  | 000 | 000          | 08           |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           | 02 NONE<br>PRVTE<br>PSNGR CAR | 0 TURN-L<br>SW NW                | 01 DRVR<br>NONE                           | 46 F<br>OTH-Y<br>N-RES | 004 | 038          | 08           |               |               |                     |       |               |       |
| 02927<br>CITY   | N N N N N | 10/15/2000<br>Sun<br>1P                               | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19         | E MAIN ST<br>OAK ST                 | INTER<br>UN<br>01                             | CROSS<br>0                 | N<br>NONE                               | N<br>CLR<br>N DAY        | PED<br>PED<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR CAR | 0 STRGHT<br>NE SW                | 01 DRVR<br>NONE                           | 47 M<br>OR-Y<br>OR<25  | 029 | 038          | 02           |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           |                               | STRGHT<br>SE NW                  | 01 PED<br>INJB                            | 42 M                   | 01  | 000          | 034          |               |               |                     |       |               |       |
| 00395<br>NONE   | N N N N N | 02/22/2000<br>Tue<br>5P                               | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19         | E MAIN ST<br>OAK ST                 | INTER<br>UN<br>02                             | CROSS<br>0                 | N<br>TRF SIGNAL                         | N<br>CLR<br>N DAY        | ANGLED-OTH<br>TURN<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR | 0 TURN-L<br>NE SE                | 01 DRVR<br>NONE                           | 21 F<br>OR-Y<br>OR<25  | 002 | 000          | 08           |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           | 02 NONE<br>PRVTE<br>PSNGR CAR | 0 STOP<br>SE NW                  | 01 DRVR<br>NONE                           | 27 F<br>OR-Y<br>OR<25  | 000 | 011          |              |               |               |                     |       |               |       |
| 03246<br>NO RPT | N N N N N | 11/17/2000<br>Fri<br>6P                               | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19         | E MAIN ST<br>OAK ST                 | INTER<br>UN<br>04                             | CROSS<br>0                 | N<br>STOP SIGN                          | N<br>CLR<br>N DLIT       | ANGLED-OTH<br>ANGL<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR | 0 STRGHT<br>NW SE                | 01 DRVR<br>NONE                           | 48 M<br>OR-Y<br>OR>25  | 000 |              | 02           |               |               |                     |       |               |       |
|                 |           |                                                       |                                  |                              |                                     |                                               |                            |                                         |                          |                           | 02 NONE<br>PRVTE<br>PSNGR CAR | 0 STRGHT<br>SW NE                | 01 DRVR<br>NONE                           | 54 F<br>OR-Y<br>OR<25  | 028 | 015          | 02           |               |               |                     |       |               |       |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#          | INVEST | S<br>E<br>D<br>A<br>U<br>C<br>O<br>L<br>K | D<br>R<br>S<br>W<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | DATE                     | COUNTY<br>CITY<br>URBAN AREA     | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RND BT<br>DRVWY | WTHR<br>SURF<br>LIGHT   | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>RES  | LICNS<br>LOC | PED<br>ERROR | ACTN<br>EVENT  | CAUSE |
|---------------|--------|-------------------------------------------|---------------------------------------------------------------|--------------------------|----------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-------------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|----------------|--------------|--------------|----------------|-------|
| 02451<br>CITY |        | N N N N N                                 |                                                               | 09/14/2002<br>Sat<br>10A | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19                | E MAIN ST<br>OAK ST                           | INTER<br>SE<br>06          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>INJ  | 01 NONE<br>PRVTE<br>PSNGR CAR  | 0 STRGHT<br>SE NW                         |                    | 01 | DRVR         | NONE         | 16 M             | OR-Y<br>OR<25  | 026          | 000<br>038   | 004<br>07      |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | 0 STOP<br>SE NW                           |                    | 01 | DRVR         | INJC         | 51 F             | OR-Y<br>OR<25  | 000          | 011 004      |                |       |
| 02615<br>CITY |        | N N N N N                                 |                                                               | 09/27/2002<br>Fri<br>2P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19                | E MAIN ST<br>OAK ST                           | INTER<br>SE<br>06          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>INJ  | 01 NONE<br>PRVTE<br>BOBTAIL    | 0 STRGHT<br>SE NW                         |                    | 01 | DRVR         | NONE         | 62 M             | OTH-Y<br>N-RES | 043          | 000          | 07             |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | 0 STOP<br>SE NW                           |                    | 01 | DRVR         | INJC         | 50 F             | OR-Y<br>OR<25  | 000          | 011          |                |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         |                                |                                           |                    | 02 | PSNG         | INJC         | 71 F             |                |              |              |                |       |
| 00225<br>NONE |        | N N N N N                                 |                                                               | 01/26/2001<br>Fri<br>11A | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19                | E MAIN ST<br>PIONEER ST                       | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-STRGHT<br>SS-O<br>PDO | 01 NONE<br>PRVTE<br>PSNGR CAR  | 0 STRGHT<br>NW SE                         |                    | 01 | DRVR         | NONE         | 44 M             | OR-Y<br>OR<25  | 045          | 000          | 10             |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | 0 STRGHT<br>NW SE                         |                    | 01 | DRVR         | NONE         | 68 F             | OR-Y<br>OR<25  | 000          | 000          |                |       |
| 00397<br>NONE |        | N N N N N                                 |                                                               | 03/09/2001<br>Fri<br>3P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19                | MAIN ST<br>01802 UNKNOWN NAME                 | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>STOP SIGN           | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | 0 STRGHT<br>NW SE                         |                    | 01 | DRVR         | NONE         | 29 M             | OR-Y<br>OR<25  | 026          | 000          | 07             |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | 0 STOP<br>NW SE                           |                    | 01 | DRVR         | NONE         | 46 M             | OR-Y<br>OR>25  | 000          | 011          |                |       |
| 00140<br>CITY |        | N N N                                     |                                                               | 01/03/2003<br>Fri<br>3P  | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>19.19                | E MAIN ST<br>OAK ST                           | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>UNKNOWN             | N CLR<br>N DRY<br>N DAY  | S-1STOP<br>REAR<br>PDO  | 01 NONE<br>PRVTE<br>PSNGR CAR  | 0 STRGHT<br>NW SE                         |                    | 01 | DRVR         | NONE         | 51 M             | OR-Y<br>OR<25  | 026          | 000<br>038   | 10<br>00<br>10 |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         | 02 NONE<br>PRVTE<br>PSNGR CAR  | 0 STOP<br>NW SE                           |                    | 01 | DRVR         | NONE         | 30 M             | N-VAL<br>OR<25 | 000          | 011<br>000   | 00<br>00       |       |
|               |        |                                           |                                                               |                          |                                  |                                     |                                               |                            |                                         |                          |                          |                         |                                |                                           |                    | 02 | PSNG         | NO<5         | 01 F             | 000            | 000          | 00           |                |       |

## 063 ROGUE VALLEY

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
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CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) SB @ Oak Street  
January 1, 2000 through December 31, 2009

| SER#  | INVEST    | S<br>P<br>E<br>L<br>C<br>S | D<br>R<br>S<br>W<br>A<br>U<br>C<br>O<br>D<br>A<br>T<br>E<br>H<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | COUNTY<br>CITY<br>URBAN AREA | RD#<br>COMPNT<br>MLG TYP<br>MILEPNT | FC<br>CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(#LANES)<br>LEGS<br>TRAF-<br>CNTL | INT-REL<br>OFFRD<br>RNDT | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO   | PRTC<br>P# | INJ<br>TYPE | SVRTY | A<br>G<br>E<br>X | S<br>E<br>L<br>I<br>C<br>E<br>N<br>S<br>E<br>S | PED<br>LOC    | ERROR         | ACTN | EVENT | CAUSE   |    |
|-------|-----------|----------------------------|-------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------|-----------------------------------------------|----------------------------|----------------------------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|----------------------|------------|-------------|-------|------------------|------------------------------------------------|---------------|---------------|------|-------|---------|----|
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            |                                              |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>STRGHT<br>SW NE |            | 01          | DRVR  | NONE             | 63                                             | F             | OR-Y<br>OR<25 |      | 000   | 000     |    |
| 03505 | N N N     |                            | 12/05/2003                                                                                            | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                        | N                        | N CLD                 | O-1TURN                        | 01 NONE<br>PRVTE<br>PSNGR CAR             | TURN-L<br>NE SE      |            | 01          | DRVR  | NONE             | 56                                             | F             | OR-Y<br>OR<25 |      | 000   | 000     | 08 |
| NONE  |           |                            | Fri<br>12P                                                                                            | ASHLAND<br>ASHLAND UA        | 0 0<br>19.19                        | E MAIN ST<br>OAK ST                           | CN<br>04                   |                                              | UNKNOWN                  | N WET<br>N DAY        | TURN<br>PDO                    |                                           |                      |            |             |       |                  |                                                |               |               | 004  | 000   | 000     | 08 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            | 0                                            |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>SW NE      |            | 01          | DRVR  | NONE             | 63                                             | F             | OR-Y<br>OR<25 |      | 000   | 000     | 00 |
| 00271 | N N N N N |                            | 02/18/2009                                                                                            | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                        | N                        | N CLR                 | PED                            | 01 NONE<br>PRVTE<br>OTHER                 | STRGHT<br>NW SE      |            | 01          | DRVR  | NONE             | 66                                             | F             | OR-Y<br>OR<25 |      | 000   | 026     | 18 |
| CITY  |           |                            | Wed<br>7A                                                                                             | ASHLAND<br>MEDFORD UA        | 1 0<br>19.18                        | E MAIN ST<br>OAK ST                           | NW<br>06                   |                                              | STOP SIGN                | N DRY<br>N DAY        | PED<br>INJ                     |                                           |                      |            |             |       |                  |                                                |               |               | 000  | 000   |         | 00 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            | 0                                            |                          |                       |                                |                                           | STRGHT<br>SW NE      | 01         | PED         | INJA  | 33               | F                                              |               | 02            | 054  |       | 034     | 18 |
| 01792 | N N N     |                            | 07/25/2003                                                                                            | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                        | N                        | N CLR                 | S-1STOP                        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>NW SE      |            |             |       |                  |                                                |               |               |      | 004   | 000     | 07 |
| NONE  |           |                            | Fri<br>7P                                                                                             | ASHLAND<br>ASHLAND UA        | 1 0<br>19.19                        | E MAIN ST<br>OAK ST                           | NW<br>06                   |                                              | UNKNOWN                  | N DRY<br>N DAY        | REAR<br>PDO                    |                                           |                      | 01         | DRVR        | NONE  | 54               | F                                              | OR-Y<br>OR<25 |               | 026  | 000   | 000     | 00 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            | 0                                            |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>NW SE        |            | 01          | DRVR  | NONE             | 18                                             | M             | OR-Y<br>OR<25 |      | 000   | 011 004 | 00 |
| 02149 | N N N N N |                            | 12/06/2008                                                                                            | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                        | N                        | N CLR                 | S-1STOP                        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>NW SE      |            | 01          | DRVR  | NONE             | 34                                             | F             | OR-Y<br>OR<25 |      | 000   | 000     | 07 |
| CITY  |           |                            | Sat<br>3P                                                                                             | ASHLAND<br>MEDFORD UA        | 1 0<br>19.19                        | E MAIN ST<br>OAK ST                           | NW<br>06                   |                                              | UNKNOWN                  | N DRY<br>N DAY        | REAR<br>INJ                    |                                           |                      |            |             |       |                  |                                                |               |               | 043  | 000   | 000     | 07 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            | 0                                            |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | STOP<br>NW SE        |            | 01          | DRVR  | INJC             | 60                                             | M             | OR-Y<br>OR<25 |      | 000   | 011 000 | 00 |
| 00317 | N N N N N |                            | 02/10/2008                                                                                            | JACKSON                      | 1 14                                |                                               | INTER                      | CROSS                                        | N                        | N CLR                 | S-1TURN                        | 01 NONE<br>PRVTE<br>PSNGR CAR             | STRGHT<br>NW SE      |            | 01          | DRVR  | NONE             | 29                                             | M             | OR-Y<br>OR<25 |      | 000   | 000     | 08 |
| CITY  |           |                            | Sun<br>10P                                                                                            | ASHLAND<br>MEDFORD UA        | 1 0<br>19.19                        | E MAIN ST<br>OAK ST                           | CN<br>02                   |                                              | ONE-WAY                  | N DRY<br>N DLIT       | TURN<br>PDO                    |                                           |                      |            |             |       |                  |                                                |               |               | 000  | 000   | 000     | 00 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            | 0                                            |                          |                       |                                |                                           |                      | 02         | PSNG        | NO<5  | 03               | M                                              |               |               | 000  | 000   |         | 00 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            |                                              |                          |                       |                                | 02 NONE<br>RENTL<br>PSNGR CAR             | TURN-L<br>NW NE      |            | 01          | DRVR  | NONE             | 34                                             | M             | NONE<br>OR<25 |      | 006   | 000     | 00 |
|       |           |                            |                                                                                                       |                              |                                     |                                               |                            |                                              |                          |                       |                                |                                           |                      |            |             |       |                  |                                                |               |               |      |       |         | 08 |

## 063 ROGUE VALLEY

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| SER#  | INVEST | D | C | S | L | K | T I M E    | C I T Y | U R B A N | A R E A | M I L E | P N T   | F I R S T   | S T R E E T | S E C O N D | S T R E E T | D I R E C T | L O C T N     | (M E D I A N) | L E G S | T R A F - | C N T L | R N D B T     | S U R F | D R V W Y | L I G H T | S V R T Y | V #       | V E H     | T Y P E | O W N E R | T R L R | Q T Y | M O V E | F R O M | T O | P # | P R T C | I N J | S V R T Y | G | E | L I C N S | P E D | L O C | E R R O R | A C T N | E V E N T | C A U S E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01950 | N      | N | N |   |   |   | 07/31/2003 | JACKSON |           |         | 1       | 14      |             |             |             |             | INTER       | CROSS         | N             |         |           |         | N             | CLR     | S-1TURN   | 01        | NONE      |           |           |         |           |         |       | TURN-L  |         |     |     |         |       |           |   |   |           |       |       |           |         |           |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE  
 OR 99 (Hwy 063) Siskiyou Boulevard @ Mountain Avenue  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 0           | 1           | 0   | 1    | 1                 | 0                            | 0            |
| YEAR: 2006        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| 2006 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 1           | 1           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2005        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN        | 1                | 0                        | 0                          | 1                | 1                | 0                 | 0      | 1           | 0           | 0   | 1    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2005 TOTAL        | 1                | 1                        | 0                          | 2                | 1                | 1                 | 0      | 2           | 0           | 1   | 1    | 2                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 2                        | 0                          | 2                | 0                | 4                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 4                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 0           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 0           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2000        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 1      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2000 TOTAL        | 0                | 0                        | 2                          | 2                | 0                | 0                 | 1      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| FINAL TOTAL       | 1                | 7                        | 8                          | 16               | 1                | 11                | 1      | 12          | 3           | 13  | 3    | 16                | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CONTINUOUS SYSTEM CRASH LISTING

063 ROGUE VALLEY

OR 99 (Hwy 063) Siskiyou Boulevard @ Mountain Avenue  
January 1, 2000 through December 31, 2009

| SER#            | S<br>E<br>L<br>D<br>C<br>S<br>L<br>K | D<br>R<br>S<br>W<br>U<br>C<br>O<br>D<br>A<br>T<br>E | COUNTY<br>CITY<br>URBAN AREA     | RD# FC<br>COMPNT<br>MLG TYP<br>MILEPNT | CONN #<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CNTL | OFFRD<br>RNDDBT<br>DRVMY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER<br>VEH TYPE | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X | S<br>E<br>L<br>I<br>C<br>N<br>S<br>R<br>E<br>S | PED<br>LOC | ERROR          | ACTN | EVENT      | CAUSE           |
|-----------------|--------------------------------------|-----------------------------------------------------|----------------------------------|----------------------------------------|-----------------------------------------|----------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------|--------------------------------|-------------------------------------------|--------------------|----|--------------|--------------|------------------|------------------------------------------------|------------|----------------|------|------------|-----------------|
| 01706<br>NONE   | N N N N N                            | 06/27/2001<br>Wed<br>9A                             | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>20.15                   | MOUNTAIN AVE<br>SISKIYOU BLVD           | INTER<br>SE<br>06          | CROSS<br>0                              | N<br>TRF SIGNAL          | N<br>N                   | RAIN<br>WET<br>DAY    | S-1STOP<br>REAR<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>SE NW         |    | 01           | DRVR         | NONE             | 39                                             | F          | OR-Y<br>OR<25  | 042  | 000<br>000 | 10<br>00<br>10  |
|                 |                                      |                                                     |                                  |                                        |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>SE NW         |    | 01           | DRVR         | NONE             | 20                                             | M          | OR-Y<br>OR<25  | 000  | 006<br>000 | 00<br>00        |
| 01124<br>NONE   | N N N N N                            | 05/21/2001<br>Mon<br>3P                             | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>20.15                   | MOUNTAIN AVE<br>SISKIYOU BLVD           | INTER<br>CN<br>01          | CROSS<br>0                              | N<br>UNKNOWN             | N<br>N                   | UNK<br>UNK<br>DAY     | S-1TURN<br>REAR<br>PDO         | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>NW SE         |    | 01           | DRVR         | NONE             | 16                                             | M          | OR-Y<br>OR<25  | 026  | 001        | 006<br>12<br>12 |
|                 |                                      |                                                     |                                  |                                        |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>NW S          |    | 01           | DRVR         | NONE             | 22                                             | F          | OR-Y<br>OR<25  | 000  | 011 006    |                 |
| 02561<br>NO RPT | N N N N N                            | 09/07/2000<br>Thu<br>8A                             | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>20.18                   | MOUNTAIN AVE<br>SISKIYOU BLVD           | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>TRF SIGNAL          | N<br>N                   | CLR<br>DRY<br>DAY     | S-1TURN<br>TURN<br>PDO         | 01 NONE<br>PRVTE<br>SEMI TOW              | 1<br>NW S          |    | 01           | DRVR         | NONE             | 63                                             | M          | OTH-Y<br>N-RES | 001  | 016        | 08<br>08        |
|                 |                                      |                                                     |                                  |                                        |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>NW SE         |    | 01           | DRVR         | NONE             | 37                                             | M          | OR-Y<br>OR<25  | 000  | 000        |                 |
| 01420<br>CITY   | N N N N N                            | 05/20/2000<br>Sat<br>7P                             | JACKSON<br>ASHLAND<br>ASHLAND UA | 1 14<br>0 0<br>20.18                   | MOUNTAIN AVE<br>SISKIYOU BLVD           | INTER<br>CN<br>02          | CROSS<br>0                              | N<br>TRF SIGNAL          | N<br>N                   | CLR<br>DRY<br>DAY     | ANGL-OTH<br>ANGL<br>PDO        | 01 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>SE NW         |    | 01           | DRVR         | NONE             | 68                                             | M          | OR-Y<br>OR<25  | 016  | 000        | 10<br>10        |
|                 |                                      |                                                     |                                  |                                        |                                         |                            |                                         |                          |                          |                       |                                | 02 NONE<br>PRVTE<br>PSNGR CAR             | 0<br>S N           |    | 01           | DRVR         | NONE             | 58                                             | F          | OR-Y<br>OR<25  | 016  | 000        | 10              |

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 99 (Hwy 063) Siskiyou Boulevard @ Mountain Avenue  
January 1, 2000 through December 31, 2009

| SER#   | S D     |   |   |   | DATE       | CLASS      | CITY STREET   | RD CHAR | INT-TYP  | INT-REL    | OFF-RD | WTHR | CRASH TYP | SPCL USE |           | MOVE   | A S    |      |       |       | PED | ERROR          | ACTN    | EVENT   | CAUSE |    |
|--------|---------|---|---|---|------------|------------|---------------|---------|----------|------------|--------|------|-----------|----------|-----------|--------|--------|------|-------|-------|-----|----------------|---------|---------|-------|----|
|        | P R S W |   |   |   |            |            |               |         |          |            |        |      |           | TTLR     | QTY       |        | OWNER  | E    | X     | LICNS |     |                |         |         |       |    |
|        | E       | A | U | O |            |            |               |         |          |            |        |      |           |          |           |        |        |      |       |       |     |                |         |         |       |    |
| INVEST | C       | L | K |   | TIME       | DIST       | FIRST STREET  | DIRECT  | (#LANES) | TRAF-CONTL | RNDBT  | SURF | COLL TYP  | V#       | VEH TYPE  | FROM   | P#     | TYPE | SVRTY | RES   | LOC |                |         |         |       |    |
| 01388  | N       | N | N | Y | 06/09/2003 | 14         | MOUNTAIN AVE  | INTER   | CROSS    | N          |        | N    | CLR       | S-1STOP  | 01        | NONE   | STRGHT |      |       |       |     |                |         | 07      |       |    |
| NONE   |         |   |   |   | Mon<br>5P  | 0          | SISKIYOU BLVD | SE      |          | TRF SIGNAL |        | N    | DRY       | REAR     | PRVTE     | SE NW  |        |      |       |       |     |                | 00      |         |       |    |
|        |         |   |   |   |            |            |               | 06      | 0        |            |        | N    | DAY       | INJ      | PSNGR CAR |        | 01     | DRVR | NONE  | 18    | M   | OR-Y<br>OR<25  | 026     | 000     | 07    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 02        | NONE   | STOP   |      |       |       |     |                |         | 00      |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PRVTE     | SE NW  | 01     | DRVR | INJC  | 19    | F   | OR-Y<br>OR<25  | 000     | 011     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PSNGR CAR |        |        |      |       |       |     |                | 000     | 000     | 00    |    |
| 00731  | N       | N | N | Y | N          | 04/21/2009 | 14            | INTER   | CROSS    | N          |        | N    | CLR       | BIKE     | 01        | NONE   | TURN-R |      |       |       |     |                |         | 02,12   |       |    |
| CITY   |         |   |   |   | Tue<br>5P  | 0          | MOUNTAIN AVE  | SE      |          | STOP SIGN  |        | N    | DRY       | TURN     | PRVTE     | W SE   |        |      |       |       |     |                | 00      |         |       |    |
|        |         |   |   |   |            |            |               | 09      | 1        |            |        | N    | DAY       | INJ      | PSNGR CAR |        | 01     | DRVR | NONE  | 35    | M   | OR-Y<br>OR<25  | 027     | 015     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          |           |        |        |      |       |       |     |                | 02      |         |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          |           | STRGHT | 01     | BIKE | INJB  | 21    | M   |                | 01      | 044,062 | 12    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | SE NW     |        |        |      |       |       |     |                |         |         |       |    |
| 00457  | N       | N | N | N | N          | 02/15/2002 | 14            | INTER   | CROSS    | N          |        | N    | CLR       | S-1STOP  | 01        | NONE   | STRGHT |      |       |       |     |                |         | 10      |       |    |
| NONE   |         |   |   |   | Fri<br>9A  | 0          | MOUNTAIN AVE  | NW      |          | TRF SIGNAL |        | N    | DRY       | REAR     | PRVTE     | NW SE  |        |      |       |       |     |                | 000     |         |       |    |
|        |         |   |   |   |            |            |               | 06      | 0        |            |        | N    | DAY       | PDO      | PSNGR CAR |        | 01     | DRVR | NONE  | 53    | F   | OR-Y<br>OR>25  | 026     |         | 10    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 02        | NONE   | STOP   |      |       |       |     |                |         |         |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PRVTE     | NW SE  | 01     | DRVR | NONE  | 53    | F   | OR-Y<br>OR>25  | 000     | 011     | 10    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PSNGR CAR |        |        |      |       |       |     |                |         |         |       |    |
| 02928  | N       | N | N | N | N          | 10/21/2002 | 14            | INTER   | CROSS    | N          |        | N    | CLR       | ANGL-STP | 01        | NONE   | TURN-L |      |       |       |     |                |         | 08      |       |    |
| NO RPT |         |   |   |   | Mon<br>2P  | 0          | MOUNTAIN AVE  | NW      |          | ONE-WAY    |        | N    | DRY       | TURN     | PUBLIC    | NW NE  |        |      |       |       |     |                | 000     |         |       |    |
|        |         |   |   |   |            |            |               | 06      | 0        |            |        | N    | DAY       | PDO      | SCHL BUS  |        | 01     | DRVR | NONE  | 42    | M   | OR-Y<br>OR>25  | 001     |         | 08    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 02        | NONE   | STOP   |      |       |       |     |                |         |         |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PRVTE     | NW SE  | 01     | DRVR | NONE  | 69    | F   | OR-Y<br>OR<25  | 000     | 011     |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PSNGR CAR |        |        |      |       |       |     |                |         |         |       |    |
| 02327  | N       | N | N |   | 09/10/2003 | 14         | MOUNTAIN AVE  | INTER   | CROSS    | N          |        | N    | CLR       | S-1STOP  | 01        | NONE   | STRGHT |      |       |       |     |                |         | 10      |       |    |
| NONE   |         |   |   |   | Wed<br>12P | 0          | SISKIYOU BLVD | NW      |          | TRF SIGNAL |        | N    | DRY       | REAR     | PRVTE     | NW SE  |        |      |       |       |     |                | 000     |         |       |    |
|        |         |   |   |   |            |            |               | 06      | 0        |            |        | N    | DAY       | INJ      | PSNGR CAR |        | 01     | DRVR | NONE  | 29    | M   | OTH-Y<br>N-RES | 026     | 000     | 10    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 02        | NONE   | STOP   |      |       |       |     |                |         |         |       |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PRVTE     | NW SE  | 01     | DRVR | INJC  | 52    | F   | OR-Y<br>OR>25  | 000     | 011     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | PSNGR CAR |        |        |      |       |       |     |                | 000     | 000     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          |           |        |        |      |       |       |     |                |         | 000     | 000   | 00 |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 02        | PSNG   | INJC   | 19   | M     |       |     |                | 000     | 000     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          | 03        | PSNG   | INJC   | 21   | M     |       |     |                | 000     | 000     | 00    |    |
| 02553  | N       | N | N |   | 12/02/2004 | 12         | MOUNTAIN AVE  | INTER   | CROSS    | N          |        | N    | CLR       | S-1STOP  | 01        | NONE   | STRGHT |      |       |       |     |                |         | 006     |       |    |
| NO RPT |         |   |   |   | Thu<br>9A  | 0          | SISKIYOU BLVD | NW      |          | TRF SIGNAL |        | N    | DRY       | REAR     | PRVTE     | NW SE  |        |      |       |       |     |                | 000     |         |       |    |
|        |         |   |   |   |            |            |               | 06      | 0        |            |        | N    | DAY       | PDO      | PSNGR CAR |        | 01     | DRVR | NONE  | 25    | M   | OR-Y<br>OR>25  | 016,026 | 038     | 006   |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          |           |        |        |      |       |       |     |                | 000     | 006     | 00    |    |
|        |         |   |   |   |            |            |               |         |          |            |        |      |           |          |           |        |        |      |       |       |     |                | 000     | 006     | 27    |    |



OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF ASHLAND, JACKSON COUNTY

OR 99 (Hwy 063) Siskiyou Boulevard @ Mountain Avenue  
January 1, 2000 through December 31, 2009

| SER#          | S<br>E<br>INVEST | D<br>P<br>A<br>U<br>C<br>O<br>L<br>K | W<br>S<br>O<br>R<br>D<br>A<br>Y<br>T<br>I<br>M<br>E | DATE                     | CLASS<br>DIST<br>FROM | CITY STREET<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RNDDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE<br>TRLR QTY<br>OWNER | MOVE<br>FROM<br>TO | P#                 | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E<br>X<br>RES | S<br>E<br>LICNS<br>RES | PED<br>LOC<br>ERROR | ACTN    | EVENT      | CAUSE |                |
|---------------|------------------|--------------------------------------|-----------------------------------------------------|--------------------------|-----------------------|----------------------------------------------|----------------------------|-----------------------------------------|---------------------------|---------------------------|-----------------------|--------------------------------|-------------------------------|--------------------|--------------------|--------------|--------------|-------------------------|------------------------|---------------------|---------|------------|-------|----------------|
| 01683<br>CITY | N                | N                                    | N                                                   | 10/15/2009<br>Thu<br>12P | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>TRF SIGNAL           | N<br>N<br>N               | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>INJ         | 02 NONE<br>PRVTE<br>PSNGR     | 0<br>NW<br>CAR     | STOP<br>SE         | 01           | DRVR         | NONE                    | 26 F<br>OR-Y<br>OR<25  |                     | 000     | 011<br>000 |       | 00<br>00       |
| 02063<br>CITY | N                | N                                    | N                                                   | 10/15/2009<br>Thu<br>12P | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>NW<br>06          | CROSS<br>0                              | N<br>TRF SIGNAL           | N<br>N<br>N               | CLR<br>DRY<br>DAY     | S-1STOP<br>REAR<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR     | 0<br>NW<br>CAR     | STRGHT<br>SE       | 01           | DRVR         | NONE                    | 54 M<br>OR-Y<br>OR<25  |                     | 026     | 000<br>000 | 013   | 07<br>00<br>07 |
| 01683<br>CITY | N                | N                                    | N                                                   | 08/28/2005<br>Sun<br>8P  | 17<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>02          |                                         | N<br>TRF SIGNAL           | N<br>N<br>N               | CLR<br>DRY<br>DAY     | ANGL-OTH<br>TURN<br>INJ        | 01 NONE<br>PRVTE<br>PSNGR     | 0<br>S<br>CAR      | STRGHT<br>N        | 01           | DRVR         | INJB                    | 46 F<br>OR-Y<br>OR<25  |                     | 000     | 000<br>000 |       | 02<br>00<br>00 |
| 02231<br>CITY | N                | N                                    | N                                                   | 10/01/2006<br>Sun<br>1P  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>02          | CROSS<br>1                              | N<br>UNKNOWN              | N<br>N<br>N               | CLR<br>DRY<br>DAY     | BIKE<br>TURN<br>INJ            | 02 NONE<br>PRVTE<br>PSNGR     | 0<br>N<br>CAR      | TURN-L<br>E        | 01           | DRVR         | NONE                    | 24 M<br>OR-Y<br>OR<25  |                     | 004,028 | 000<br>000 |       | 00<br>02       |
| 02231<br>CITY | N                | N                                    | N                                                   | 10/01/2006<br>Sun<br>1P  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>02          | CROSS<br>1                              | N<br>UNKNOWN              | N<br>N<br>N               | CLR<br>DRY<br>DAY     | BIKE<br>TURN<br>INJ            |                               |                    | STRGHT<br>SE<br>NW | 01           | BIKE         | INJB                    | 61 M                   |                     | 000     | 041 110    |       | 00             |
| 00637<br>CITY | N                | Y                                    | N                                                   | 03/06/2005<br>Sun<br>2A  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>03          | CROSS<br>1                              | N<br>STOP SIGN            | N<br>N<br>N               | CLR<br>DRY<br>DLIT    | PED<br>PED<br>FAT              | 01 NONE<br>PRVTE<br>PSNGR     |                    | TURN-R<br>SE<br>N  | 01           | DRVR         | NONE                    | 64 F<br>OR-Y<br>OR<25  |                     | 027,010 | 000<br>000 |       | 00<br>02       |
| 00637<br>CITY | N                | Y                                    | N                                                   | 03/06/2005<br>Sun<br>2A  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>03          | CROSS<br>1                              | N<br>STOP SIGN            | N<br>N<br>N               | CLR<br>DRY<br>DLIT    | PED<br>PED<br>FAT              |                               |                    | STRGHT<br>W<br>E   | 01           | CONV         | KILL                    | 21 M                   | 02                  | 028     | 000        |       | 02,08          |
| 00637<br>CITY | N                | Y                                    | N                                                   | 03/06/2005<br>Sun<br>2A  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>03          | CROSS<br>1                              | N<br>STOP SIGN            | N<br>N<br>N               | CLR<br>DRY<br>DLIT    | PED<br>PED<br>FAT              | 01 TAXI<br>PRVTE<br>PSNGR     |                    | STRGHT<br>NW<br>SE | 01           | DRVR         | NONE                    | 50 M<br>OR-Y<br>OR<25  |                     | 000     | 001<br>000 |       | 00<br>00       |
| 00422<br>CITY | N                | N                                    | N                                                   | 02/27/2006<br>Mon<br>6P  | 14<br>0               | MOUNTAIN AVE<br>SISKIYOU BLVD                | INTER<br>CN<br>03          | CROSS<br>0                              | N<br>TRF SIGNAL           | N<br>N<br>N               | RAIN<br>WET<br>DLIT   | O-1TURN<br>TURN<br>INJ         | 01 NONE<br>PRVTE<br>PSNGR     |                    | TURN-L<br>SE<br>S  | 01           | DRVR         | NONE                    | 16 F<br>OR-Y<br>OR<25  |                     | 004     | 000<br>000 |       | 08<br>00<br>08 |

OR 99 (Hwy 063) Siskiyou Boulevard @ Mountain Avenue  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE  
 OR 99 (Hwy 063) Siskiyou Boulevard @ Walker Street  
 January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2008        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2007        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2007 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2003        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 1                        | 0                          | 1                | 0                | 2                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL        | 0                | 2                        | 0                          | 2                | 0                | 3                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PEDESTRIAN        | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END          | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 1                        | 2                          | 3                | 0                | 1                 | 0      | 3           | 0           | 3   | 0    | 3                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 5                        | 4                          | 9                | 0                | 7                 | 0      | 9           | 0           | 9   | 0    | 9                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OR 99 (Hwy 063) Siskiyou Boulevard @ Walker Street  
January 1, 2000 through December 31, 2009

[illegible]



OR 99 (Hwy 063) Siskiyou Boulevard @ Walker Street  
January 1, 2000 through December 31, 2009

[illegible]

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Siskiyou Boulevard @ E. Main Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE       | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2009           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| PARKING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 0           | 1           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2009 TOTAL           | 0                | 2                        | 0                          | 2                | 0                | 2                 | 0      | 1           | 1           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2008           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE                | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| REAR-END             | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2008 TOTAL           | 0                | 1                        | 1                          | 2                | 0                | 1                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |
| YEAR: 2007           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| FIXED / OTHER OBJECT | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| 2007 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 1            |
| YEAR: 2006           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS    | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2006 TOTAL           | 0                | 1                        | 0                          | 1                | 0                | 1                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2004           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2004 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2003           |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| REAR-END             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2003 TOTAL           | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL          | 0                | 4                        | 4                          | 8                | 0                | 4                 | 0      | 7           | 1           | 8   | 0    | 8                 | 0                            | 1            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Siskiyou Boulevard @ E. Main Street  
January 1, 2000 through December 31, 2009

| SER#<br>INVEST  | S D<br>P R S W<br>E A U C O<br>L G H R |              |        |          | DATE<br>DAY<br>TIME      | CLASS<br>DIST<br>FROM | CITY STREET<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RDNBT<br>DRVMY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE                |                                      | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A S     |                | PED<br>LOC | ERROR | ACTN       | EVENT                      | CAUSE             |
|-----------------|----------------------------------------|--------------|--------|----------|--------------------------|-----------------------|----------------------------------------------|----------------------------|-----------------------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|-------------------------|--------------------------------------|--------------------|----|--------------|--------------|---------|----------------|------------|-------|------------|----------------------------|-------------------|
|                 | VEH                                    | QTY<br>OWNER | G<br>E | X<br>RES |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         |                                      |                    |    |              |              |         |                |            |       |            |                            |                   |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         |                                      |                    |    |              |              |         |                |            |       |            |                            |                   |
| 01302<br>CITY   | N                                      | N            | N      | N        | 06/27/2007<br>Wed<br>11A | 14<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>SE<br>06          | 3-LEG<br><br>1                          | N<br><br>NONE             |                          | Y<br>N<br>N           | CLR<br>DRY<br>DAY              | FIX OBJ<br>FIX<br>PDO   | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE    | 01 | DRVR         | NONE         | 86<br>M | OR-Y<br>OR<25  | 081        |       | 088<br>028 | 050,058,062<br>050,058,062 | 10<br>00<br>10    |
| 02118<br>NONE   | Y                                      | N            | N      | N        | 11/22/2008<br>Sat<br>1P  | 14<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>SE<br>06          | CROSS<br><br>0                          | N<br><br>TRF SIGNAL       |                          | N<br>N<br>N           | CLR<br>DRY<br>DAY              | S-1STOP<br>REAR<br>INJ  | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW    | 01 | DRVR         | NONE         | 00<br>U | UNK<br>UNK     | 026,050    |       | 000<br>000 |                            | 01<br>00<br>01    |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         | 02<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>SE NW    | 01 | DRVR         | INJC         | 62<br>F | OR-Y<br>OR<25  | 000        |       | 011<br>000 |                            | 00<br>00          |
| 00088<br>CITY   | N                                      | N            | N      | N        | 01/20/2009<br>Tue<br>4P  | 14<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>SE<br>06          | 3-LEG<br><br>0                          | N<br><br>NONE             |                          | N<br>N<br>N           | CLR<br>DRY<br>DAY              | S-1STOP<br>REAR<br>INJ  | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE    | 01 | DRVR         | NONE         | 23<br>M | OR-Y<br>OR<25  | 026        |       | 000<br>000 | 004                        | 07<br>00<br>07    |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         | 02<br><br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NW SE      | 01 | DRVR         | INJC         | 48<br>M | OR-Y<br>OR<25  | 000        |       | 011<br>000 | 004                        | 00<br>00          |
| 02602<br>CITY   | N                                      | N            | N      | N        | 12/30/2009<br>Wed<br>1P  | 16<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>NW<br>05          | CROSS<br><br>1                          | N<br><br>NONE             |                          | N<br>N<br>N           | RAIN<br>WET<br>DAY             | S-STRGHT<br>PARK<br>INJ | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | PARKNG<br>NW SE    | 01 | DRVR         | INJC         | 57<br>F | OR-Y<br>OR<25  | 045,013    |       | 008<br>000 |                            | 13<br>00<br>13    |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         | 02<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE    | 01 | DRVR         | NONE         | 36<br>M | OR-Y<br>OR<25  | 000        |       | 000<br>000 |                            | 00<br>00          |
| 02300<br>NO RPT | N                                      | N            | N      | N        | 09/10/2003<br>Wed<br>1P  | 12<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>NW<br>06          | 3-LEG<br><br>0                          | N<br><br>UNKNOWN          |                          | N<br>N<br>N           | CLR<br>DRY<br>DAY              | S-1STOP<br>REAR<br>PDO  | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE    | 01 | DRVR         | NONE         | 23<br>F | OTH-Y<br>N-RES | 026        |       | 000<br>000 | 004                        | 07<br>00<br>07    |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         | 02<br><br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NW SE      | 01 | DRVR         | NONE         | 72<br>F | OR-Y<br>OR<25  | 000        |       | 011<br>000 | 004                        | 00<br>00          |
| 00743<br>CITY   | N                                      | N            | N      | N        | 04/21/2004<br>Wed<br>2P  | 12<br>0               | E MAIN ST<br>SISKIYOU BLVD                   | INTER<br>NW<br>06          | 3-LEG<br><br>1                          | N<br><br>NONE             |                          | N<br>N<br>N           | CLR<br>DRY<br>DAY              | S-1STOP<br>REAR<br>PDO  | 01<br><br>NONE<br>PRVTE<br>PSNGR CAR | STRGHT<br>NW SE    | 01 | DRVR         | NONE         | 27<br>F | OR-Y<br>OR<25  | 043        |       | 000<br>038 | 004,003<br>003             | 07,27<br>00<br>07 |
|                 |                                        |              |        |          |                          |                       |                                              |                            |                                         |                           |                          |                       |                                |                         | 02<br><br>NONE<br>PRVTE<br>PSNGR CAR | STOP<br>NW SE      | 01 | DRVR         | NONE         | 82<br>F | OR-Y<br>OR<25  | 000        |       | 011<br>000 | 004                        | 00<br>00          |



Siskiyou Boulevard @ E. Main Street  
January 1, 2000 through December 31, 2009

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|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE  
Tolman Creek Road @ Mistletoe Road / Takelma Way  
January 1, 2000 through December 31, 2009

| COLLISION TYPE | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
|----------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|

YEAR:

TOTAL

FINAL TOTAL

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
CRASH SUMMARIES BY YEAR BY COLLISION TYPE

Walker Avenue @ Iowa Street  
January 1, 2000 through December 31, 2009

| COLLISION TYPE    | FATAL<br>CRASHES | NON-<br>FATAL<br>CRASHES | PROPERTY<br>DAMAGE<br>ONLY | TOTAL<br>CRASHES | PEOPLE<br>KILLED | PEOPLE<br>INJURED | TRUCKS | DRY<br>SURF | WET<br>SURF | DAY | DARK | INTER-<br>SECTION | INTER-<br>SECTION<br>RELATED | OFF-<br>ROAD |
|-------------------|------------------|--------------------------|----------------------------|------------------|------------------|-------------------|--------|-------------|-------------|-----|------|-------------------|------------------------------|--------------|
| YEAR: 2002        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| ANGLE             | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2002 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| YEAR: 2001        |                  |                          |                            |                  |                  |                   |        |             |             |     |      |                   |                              |              |
| TURNING MOVEMENTS | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| 2001 TOTAL        | 0                | 0                        | 1                          | 1                | 0                | 0                 | 0      | 1           | 0           | 1   | 0    | 1                 | 0                            | 0            |
| FINAL TOTAL       | 0                | 0                        | 2                          | 2                | 0                | 0                 | 0      | 2           | 0           | 2   | 0    | 2                 | 0                            | 0            |

Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

Walker Avenue @ Iowa Street  
January 1, 2000 through December 31, 2009

| SER# | INVEST | P<br>E<br>C | S<br>A<br>L | D<br>R<br>G | W<br>S<br>H | O<br>C<br>R | DATE<br>DAY<br>TIME | CLASS<br>DIST<br>FROM | CITY<br>FIRST STREET<br>SECOND STREET | RD CHAR<br>DIRECT<br>LOCTN | INT-TYP<br>(MEDIAN)<br>LEGS<br>(#LANES) | INT-REL<br>TRAF-<br>CONTL | OFF-RD<br>RNDBT<br>DRVWY | WTHR<br>SURF<br>LIGHT | CRASH TYP<br>COLL TYP<br>SVRTY | SPCL USE |      |       | MOVE<br>FROM<br>TO | P# | PRTC<br>TYPE | INJ<br>SVRTY | A<br>G<br>E | S<br>E<br>X | LICNS<br>RES | PED<br>LOC | ERROR | ACTN | EVENT | CAUSE |
|------|--------|-------------|-------------|-------------|-------------|-------------|---------------------|-----------------------|---------------------------------------|----------------------------|-----------------------------------------|---------------------------|--------------------------|-----------------------|--------------------------------|----------|------|-------|--------------------|----|--------------|--------------|-------------|-------------|--------------|------------|-------|------|-------|-------|
|      |        |             |             |             |             |             |                     |                       |                                       |                            |                                         |                           |                          |                       |                                | TRLR     | QTY  | OWNER |                    |    |              |              |             |             |              |            |       |      |       |       |
|      |        |             |             |             |             |             |                     |                       |                                       |                            |                                         |                           |                          |                       |                                | VEH      | TYPE |       |                    |    |              |              |             |             |              |            |       |      |       |       |

|       |      |   |   |   |   |   |                         |         |                       |                   |                |                         |                 |                         |                     |                   |               |    |      |      |    |   |               |     |  |     |  |    |
|-------|------|---|---|---|---|---|-------------------------|---------|-----------------------|-------------------|----------------|-------------------------|-----------------|-------------------------|---------------------|-------------------|---------------|----|------|------|----|---|---------------|-----|--|-----|--|----|
| 01508 | NONE | N | N | N | N | N | 06/06/2001<br>Wed<br>4P | 17<br>0 | IOWA ST<br>WALKER AVE | INTER<br>CN<br>03 | 3-LEG<br><br>0 | N<br>STOP SIGN<br><br>N | N<br>CLR<br>DAY | ANGL-OTH<br>TURN<br>PDO | 01<br>NONE<br>PSNGR | 0<br>PRVTE<br>CAR | TURN-R<br>W S | 01 | DRVR | NONE | 77 | F | OR-Y<br>OR<25 | 028 |  | 015 |  | 02 |
|       |      |   |   |   |   |   |                         |         |                       |                   |                |                         |                 |                         | 02<br>NONE<br>PSNGR | 0<br>PRVTE<br>CAR | STRGHT<br>N S | 01 | DRVR | NONE | 35 | M | OR-Y<br>OR<25 | 000 |  | 000 |  |    |
| 00392 | NONE | N | N | N | N | N | 02/04/2002<br>Mon<br>9A | 19<br>0 | IOWA ST<br>WALKER AVE | INTER<br>CN<br>04 | CROSS<br><br>0 | N<br>STOP SIGN<br><br>N | N<br>CLR<br>DAY | ANGL-OTH<br>ANGL<br>PDO | 01<br>NONE<br>PSNGR | 0<br>PRVTE<br>CAR | STRGHT<br>S N | 01 | DRVR | NONE | 86 | M | OR-Y<br>OR<25 | 028 |  | 015 |  | 02 |
|       |      |   |   |   |   |   |                         |         |                       |                   |                |                         |                 |                         | 02<br>NONE<br>PSNGR | 0<br>PRVTE<br>CAR | STRGHT<br>E W | 01 | DRVR | NONE | 58 | M | OR-Y<br>OR<25 | 000 |  | 015 |  |    |

# ACTION CODE TRANSLATION LIST

| ACTION<br>CODE | SHORT<br>DESCRIPTION | LONG DESCRIPTION                                                                          |
|----------------|----------------------|-------------------------------------------------------------------------------------------|
| 000            | NONE                 | NO ACTION OR NON-WARRANTED                                                                |
| 001            | SKIDDED              | SKIDDED                                                                                   |
| 002            | ON/OFF V             | GETTING ON OR OFF STOPPED OR PARKED VEHICLE                                               |
| 003            | LOAD OVR             | OVERHANGING LOAD STRUCK ANOTHER VEHICLE, ETC.                                             |
| 006            | SLOW DN              | SLOWED DOWN                                                                               |
| 007            | AVOIDING             | AVOIDING MANEUVER                                                                         |
| 008            | PAR PARK             | PARALLEL PARKING                                                                          |
| 009            | ANG PARK             | ANGLE PARKING                                                                             |
| 010            | INTERFERE            | PASSENGER INTERFERING WITH DRIVER                                                         |
| 011            | STOPPED              | STOPPED IN TRAFFIC NOT WAITING TO MAKE A LEFT TURN                                        |
| 012            | STP/L TRN            | STOPPED BECAUSE OF LEFT TURN SIGNAL OR WAITING, ETC.                                      |
| 013            | STP TURN             | STOPPED WHILE EXECUTING A TURN                                                            |
| 015            | GO A/STOP            | PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.                                      |
| 016            | TRN A/RED            | TURNED ON RED AFTER STOPPING                                                              |
| 017            | LOSTCTRL             | LOST CONTROL OF VEHICLE                                                                   |
| 018            | EXIT DWY             | ENTERING STREET OR HIGHWAY FROM ALLEY OR DRIVEWAY                                         |
| 019            | ENTR DWY             | ENTERING ALLEY OR DRIVEWAY FROM STREET OR HIGHWAY                                         |
| 020            | STR ENTR             | BEFORE ENTERING ROADWAY, STRUCK PEDESTRIAN, ETC. ON SIDEWALK OR SHOULDER                  |
| 021            | NO DRVR              | CAR RAN AWAY - NO DRIVER                                                                  |
| 022            | PREV COL             | STRUCK, OR WAS STRUCK BY, VEHICLE OR PEDESTRIAN IN PRIOR COLLISION BEFORE ACC. STABILIZED |
| 023            | STALLED              | VEHICLE STALLED                                                                           |
| 024            | DRVR DEAD            | DEAD BY UNASSOCIATED CAUSE                                                                |
| 025            | FATIGUE              | FATIGUED, SLEEPY, ASLEEP                                                                  |
| 026            | SUN                  | DRIVER BLINDED BY SUN                                                                     |
| 027            | HDLGHTS              | DRIVER BLINDED BY HEADLIGHTS                                                              |
| 028            | ILLNESS              | PHYSICALLY ILL                                                                            |
| 029            | THRU MED             | VEHICLE CROSSED, PLUNGED OVER, OR THROUGH MEDIAN BARRIER                                  |
| 030            | PURSUIT              | PURSUING OR ATTEMPTING TO STOP ANOTHER VEHICLE                                            |
| 031            | PASSING              | PASSING SITUATION                                                                         |
| 032            | PRKOFFRD             | VEHICLE PARKED BEYOND CURB OR SHOULDER                                                    |
| 033            | CROS MED             | VEHICLE CROSSED EARTH OR GRASS MEDIAN                                                     |
| 034            | X N/SGNL             | CROSSING AT INTERSECTION - NO TRAFFIC SIGNAL PRESENT                                      |
| 035            | X W/ SGNL            | CROSSING AT INTERSECTION - TRAFFIC SIGNAL PRESENT                                         |
| 036            | DIAGONAL             | CROSSING AT INTERSECTION - DIAGONALLY                                                     |
| 037            | BTWN INT             | CROSSING BETWEEN INTERSECTIONS                                                            |
| 038            | DISTRACT             | DRIVER'S ATTENTION DISTRACTED                                                             |
| 039            | W/TRAF-S             | WALKING, RUNNING, RIDING, ETC., ON SHOULDER WITH TRAFFIC                                  |
| 040            | A/TRAF-S             | WALKING, RUNNING, RIDING, ETC., ON SHOULDER FACING TRAFFIC                                |
| 041            | W/TRAF-P             | WALKING, RUNNING, RIDING, ETC., ON PAVEMENT WITH TRAFFIC                                  |
| 042            | A/TRAF-P             | WALKING, RUNNING, RIDING, ETC., ON PAVEMENT FACING TRAFFIC                                |
| 043            | PLAYINRD             | PLAYING IN STREET OR ROAD                                                                 |
| 044            | PUSH MV              | PUSHING OR WORKING ON VEHICLE IN ROAD OR ON SHOULDER                                      |
| 045            | WORK ON              | WORKING IN ROADWAY OR ALONG SHOULDER                                                      |
| 050            | LAY ON RD            | STANDING OR LYING IN ROADWAY                                                              |
| 051            | ENT OFFRD            | ENTERING / STARTING IN TRAFFIC LANE FROM OFF-ROAD                                         |
| 088            | OTHER                | OTHER ACTION                                                                              |
| 099            | UNK                  | UNKNOWN ACTION                                                                            |

# CAUSE CODE TRANSLATION LIST

| CAUSE CODE | SHORT DESCRIPTION | LONG DESCRIPTION                                 |
|------------|-------------------|--------------------------------------------------|
| 00         | NO CODE           | NO CAUSE ASSOCIATED AT THIS LEVEL                |
| 01         | TOO-FAST          | TOO FAST FOR CONDITIONS (NOT EXCEED POSTED SPEED |
| 02         | NO-YIELD          | DID NOT YIELD RIGHT-OF-WAY                       |
| 03         | PAS-STOP          | PASSED STOP SIGN OR RED FLASHER                  |
| 04         | DIS--RAG          | DISREGARDED R-A-G TRAFFIC SIGNAL.                |
| 05         | LEFT-CTR          | DROVE LEFT OF CENTER ON TWO-WAY ROAD             |
| 06         | IMP-OVER          | IMPROPER OVERTAKING                              |
| 07         | TOO-CLOS          | FOLLOWED TOO CLOSELY                             |
| 08         | IMP-TURN          | MADE IMPROPER TURN                               |
| 09         | DRINKING          | ALCOHOL OR DRUG INVOLVED                         |
| 10         | OTHR-IMP          | OTHER IMPROPER DRIVING                           |
| 11         | MECH-DEF          | MECHANICAL DEFECT                                |
| 12         | OTHER             | OTHER (NOT IMPROPER DRIVING)                     |
| 13         | IMP LN C          | IMPROPER CHANGE OF TRAFFIC LANES                 |
| 14         | DIS TCD           | DISREGARDED OTHER TRAFFIC CONTROL DEVICE         |
| 15         | WRNG WAY          | WRONG WAY ON ONE-WAY ROADWAY                     |
| 16         | FATIGUE           | DRIVER DROWSY/FATIGUED/SLEEPY                    |
| 18         | IN RDWY           | NON-MOTORIST ILLEGALLY IN ROADWAY                |
| 19         | NT VISBL          | NON-MOTORIST CLOTHING NOT VISIBLE                |
| 20         | IMP PKNG          | VEHICLE IMPROPERLY PARKED                        |
| 21         | DEF STER          | DEFECTIVE STEERING MECHANISM                     |
| 22         | DEF BRKE          | INADEQUATE OR NO BRAKES                          |
| 24         | LOADSHT           | VEHICLE LOST LOAD OR LOAD SHIFTED                |
| 25         | TIREFAIL          | TIRE FAILURE                                     |
| 26         | PHANTOM           | PHANTOM / NON-CONTACT VEHICLE                    |
| 27         | INATTENT          | INATTENTION                                      |
| 30         | SPEED             | DRIVING IN EXCESS OF POSTED SPEED                |
| 31         | RACING            | SPEED RACING (PER PAR)                           |
| 32         | CARELESS          | CARELESS DRIVING (CITATION ISSUED)               |
| 33         | RECKLESS          | RECKLESS DRIVING (CITATION ISSUED)               |
| 34         | AGGRESV           | AGGRESSIVE DRIVING (PER PAR)                     |
| 35         | RD RAGE           | ROAD RAGE (PER PAR)                              |

# COLLISION TYPE CODE TRANSLATION LIST

| COLL CODE | SHORT DESCRIPTION | LONG DESCRIPTION             |
|-----------|-------------------|------------------------------|
| &         | OTH               | MISCELLANEOUS                |
| -         | BACK              | BACKING                      |
| 0         | PED               | PEDESTRIAN                   |
| 1         | ANGL              | ANGLE                        |
| 2         | HEAD              | HEAD-ON                      |
| 3         | REAR              | REAR-END                     |
| 4         | SS-M              | SIDESWIPE - MEETING          |
| 5         | SS-O              | SIDESWIPE - OVERTAKING       |
| 6         | TURN              | TURNING MOVEMENT             |
| 7         | PARK              | PARKING MANEUVER             |
| 8         | NCOL              | NON-COLLISION                |
| 9         | FIX               | FIXED OBJECT OR OTHER OBJECT |

# CRASH TYPE CODE TRANSLATION LIST

| CRASH TYPE | SHORT DESCRIPTION | LONG DESCRIPTION                                  |
|------------|-------------------|---------------------------------------------------|
| &          | OVERTURN          | OVERTURNED                                        |
| 0          | NON-COLL          | OTHER NON-COLLISION                               |
| 1          | OTH RDWY          | MOTOR VEHICLE ON OTHER ROADWAY                    |
| 2          | PRKD MV           | PARKED MOTOR VEHICLE                              |
| 3          | PED               | PEDESTRIAN                                        |
| 4          | TRAIN             | RAILWAY TRAIN                                     |
| 6          | BIKE              | PEDALCYCLIST                                      |
| 7          | ANIMAL            | ANIMAL                                            |
| 8          | FIX OBJ           | FIXED OBJECT                                      |
| 9          | OTH OBJ           | OTHER OBJECT                                      |
| A          | ANGL-STP          | ENTERING AT ANGLE - ONE VEHICLE STOPPED           |
| B          | ANGL-OTH          | ENTERING AT ANGLE - ALL OTHERS                    |
| C          | S-STRGHT          | FROM SAME DIRECTION - BOTH GOING STRAIGHT         |
| D          | S-1TURN           | FROM SAME DIRECTION - ONE TURN, ONE STRAIGHT      |
| E          | S-1STOP           | FROM SAME DIRECTION - ONE STOPPED                 |
| F          | S-OTHER           | FROM SAME DIRECTION-ALL OTHERS, INCLUDING PARKING |
| G          | O-STRGHT          | FROM OPPOSITE DIRECTION - BOTH GOING STRAIGHT     |
| H          | O-1TURN           | FROM OPPOSITE DIRECTION - ONE TURN, ONE STRAIGHT  |
| I          | O-1STOP           | FROM OPPOSITE DIRECTION - ONE STOPPED             |
| J          | O-OTHER           | FROM OPPOSITE DIRECTION-ALL OTHERS INCL. PARKING  |

**DRIVER LICENSE CODE TRANSLATION LIST**

| <b>LIC<br/>CODE</b> | <b>SHORT<br/>DESC</b> | <b>LONG DESCRIPTION</b>                |
|---------------------|-----------------------|----------------------------------------|
| 0                   | NONE                  | NOT LICENSED (HAD NEVER BEEN LICENSED) |
| 1                   | OR-Y                  | VALID OREGON LICENSE                   |
| 2                   | OTH-Y                 | VALID LICENSE, OTHER STATE OR COUNTRY  |
| 3                   | SUSP                  | SUSPENDED/REVOKED                      |

**DRIVER RESIDENCE CODE TRANSLATION LIST**

| <b>RES<br/>CODE</b> | <b>SHORT<br/>DESC</b> | <b>LONG DESCRIPTION</b>                      |
|---------------------|-----------------------|----------------------------------------------|
| 1                   | OR<25                 | OREGON RESIDENT WITHIN 25 MILE OF HOME       |
| 2                   | OR>25                 | OREGON RESIDENT 25 OR MORE MILES FROM HOME   |
| 3                   | OR-?                  | OREGON RESIDENT - UNKNOWN DISTANCE FROM HOME |
| 4                   | N-RES                 | NON-RESIDENT                                 |
| 9                   | UNK                   | UNKNOWN IF OREGON RESIDENT                   |

**ERROR CODE TRANSLATION LIST**

| <b>ERROR<br/>CODE</b> | <b>SHORT<br/>DESCRIPTION</b> | <b>FULL DESCRIPTION</b>                                                                          |
|-----------------------|------------------------------|--------------------------------------------------------------------------------------------------|
| 000                   | NONE                         | NO ERROR                                                                                         |
| 001                   | WIDE TRN                     | WIDE TURN                                                                                        |
| 002                   | CUT CORN                     | CUT CORNER ON TURN                                                                               |
| 003                   | FAIL TRN                     | FAILED TO OBEY MANDATORY TRAFFIC TURN SIGNAL, SIGN OR LANE MARKINGS                              |
| 004                   | L IN TRF                     | LEFT TURN IN FRONT OF ONCOMING TRAFFIC                                                           |
| 005                   | L PROHIB                     | LEFT TURN WHERE PROHIBITED                                                                       |
| 006                   | FRM WRNG                     | TURNED FROM WRONG LANE                                                                           |
| 007                   | TO WRONG                     | TURNED INTO WRONG LANE                                                                           |
| 008                   | ILLEG U                      | U-TURNED ILLEGALLY                                                                               |
| 009                   | IMP STOP                     | IMPROPERLY STOPPED IN TRAFFIC LANE                                                               |
| 010                   | IMP SIG                      | IMPROPER SIGNAL OR FAILURE TO SIGNAL                                                             |
| 011                   | IMP BACK                     | BACKING IMPROPERLY (NOT PARKING)                                                                 |
| 012                   | IMP PARK                     | IMPROPERLY PARKED                                                                                |
| 013                   | UNPARK                       | IMPROPER START LEAVING PARKED POSITION                                                           |
| 014                   | IMP STRT                     | IMPROPER START FROM STOPPED POSITION                                                             |
| 015                   | IMP LGHT                     | IMPROPER OR NO LIGHTS (VEHICLE IN TRAFFIC)                                                       |
| 016                   | INATTENT                     | FAILED TO DIM LIGHTS (UNTIL 4/1/97) / INATTENTION (AFTER 4/1/97)                                 |
| 017                   | UNSF VEH                     | DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)                                                 |
| 018                   | OTH PARK                     | ENTERING, EXITING PARKED POSITION WITH INSUFFICIENT CLEARANCE OR OTHER IMPROPER PARKING MANEUVER |
| 019                   | DIS DRIV                     | DISREGARDED OTHER DRIVER'S SIGNAL                                                                |
| 020                   | DIS SGNL                     | DISREGARDED TRAFFIC SIGNAL                                                                       |
| 021                   | RAN STOP                     | DISREGARDED STOP SIGN OR FLASHING RED                                                            |
| 022                   | DIS SIGN                     | DISREGARDED WARNING SIGN, FLARES OR FLASHING AMBER                                               |
| 023                   | DIS OFCR                     | DISREGARDED POLICE OFFICER OR FLAGMAN                                                            |
| 024                   | DIS EMER                     | DISREGARDED SIREN OR WARNING OF EMERGENCY VEHICLE                                                |
| 025                   | DIS RR                       | DISREGARDED RR SIGNAL, RR SIGN, OR RR FLAGMAN                                                    |
| 026                   | REAR-END                     | FAILED TO AVOID STOPPED OR PARKED VEHICLE AHEAD OTHER THAN SCHOOL BUS                            |
| 027                   | BIKE ROW                     | DID NOT HAVE RIGHT-OF-WAY OVER PEDALCYCLIST                                                      |
| 028                   | NO ROW                       | DID NOT HAVE RIGHT-OF-WAY                                                                        |
| 029                   | PED ROW                      | FAILED TO YIELD RIGHT-OF-WAY TO PEDESTRIAN                                                       |
| 030                   | PAS CURV                     | PASSING ON A CURVE                                                                               |
| 031                   | PAS WRNG                     | PASSING ON THE WRONG SIDE                                                                        |
| 032                   | PAS TANG                     | PASSING ON STRAIGHT ROAD UNDER UNSAFE CONDITIONS                                                 |
| 033                   | PAS X-WK                     | PASSED VEHICLE STOPPED AT CROSSWALK FOR PEDESTRIAN                                               |
| 034                   | PAS INTR                     | PASSING AT INTERSECTION                                                                          |
| 035                   | PAS HILL                     | PASSING ON CREST OF HILL                                                                         |
| 036                   | N/PAS ZN                     | PASSING IN "NO PASSING" ZONE                                                                     |
| 037                   | PAS TRAF                     | PASSING IN FRONT OF ONCOMING TRAFFIC                                                             |
| 038                   | CUT-IN                       | CUTTING IN (TWO LANES - TWO WAY ONLY)                                                            |
| 039                   | WRNGSIDE                     | DRIVING ON WRONG SIDE OF THE ROAD                                                                |
| 040                   | THRU MED                     | DRIVING THROUGH SAFETY ZONE OR OVER ISLAND                                                       |
| 041                   | F/ST BUS                     | FAILED TO STOP FOR SCHOOL BUS                                                                    |

# ERROR CODE TRANSLATION LIST

| ERROR | SHORT       |                                                                                |
|-------|-------------|--------------------------------------------------------------------------------|
| CODE  | DESCRIPTION | FULL DESCRIPTION                                                               |
| 042   | F/SLO MV    | FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE                             |
| 043   | TO CLOSE    | FOLLOWING TOO CLOSELY (MUST BE ON OFFICER'S REPORT)                            |
| 044   | STRDL LN    | STRADDLING OR DRIVING ON WRONG LANES                                           |
| 045   | IMP CHG     | IMPROPER CHANGE OF TRAFFIC LANES                                               |
| 046   | WRNG WAY    | WRONG WAY ON ONE-WAY ROADWAY (VEHICLE IS DELIBERATELY TRAVELING ON WRONG SIDE) |
| 047   | BASCRULE    | DRIVING TOO FAST FOR CONDITIONS (NOT EXCEEDING POSTED SPEED)                   |
| 048   | OPN DOOR    | OPENED DOOR INTO ADJACENT TRAFFIC LANE                                         |
| 049   | IMPEDING    | IMPEDING TRAFFIC                                                               |
| 050   | SPEED       | DRIVING IN EXCESS OF POSTED SPEED                                              |
| 051   | RECKLESS    | RECKLESS DRIVING (PER PAR)                                                     |
| 052   | CARELESS    | CARELESS DRIVING (PER PAR)                                                     |
| 053   | RACING      | SPEED RACING (PER PAR)                                                         |
| 054   | X N/SGNL    | CROSSING AT INTERSECTION - NO TRAFFIC SIGNAL PRESENT                           |
| 055   | X W/SGNL    | CROSSING AT INTERSECTION - TRAFFIC SIGNAL PRESENT                              |
| 056   | DIAGONAL    | CROSSING AT INTERSECTION - DIAGONALLY                                          |
| 057   | BTWN INT    | CROSSING BETWEEN INTERSECTIONS                                                 |
| 059   | W/TRAF-S    | WALKING, RUNNING, RIDING, ETC., ON SHOULDER WITH TRAFFIC                       |
| 060   | A/TRAF-S    | WALKING, RUNNING, RIDING, ETC., ON SHOULDER FACING TRAFFIC                     |
| 061   | W/TRAF-P    | WALKING, RUNNING, RIDING, ETC., ON PAVEMENT WITH TRAFFIC                       |
| 062   | A/TRAF-P    | WALKING, RUNNING, RIDING, ETC., ON PAVEMENT FACING TRAFFIC                     |
| 063   | PLAYINRD    | PLAYING IN STREET OR ROAD                                                      |
| 064   | PUSH MV     | PUSHING OR WORKING ON VEHICLE IN ROAD OR ON SHOULDER                           |
| 065   | WK IN RD    | WORKING IN ROADWAY OR ALONG SHOULDER                                           |
| 070   | LAYON RD    | STANDING OR LYING IN ROADWAY                                                   |
| 073   | DIS POL     | DISREGARDING POLICE (ELUDING)                                                  |
| 080   | FAIL LN     | FAILED TO MAINTAIN LANE                                                        |
| 081   | OFF RD      | RAN OFF ROAD                                                                   |
| 082   | NO CLEAR    | DRIVER MISJUDGED CLEARANCE                                                     |
| 083   | OVRSTEER    | OVER CORRECTING                                                                |
| 084   | NOT USED    | CODE NOT IN USE                                                                |
| 085   | OVRLOAD     | OVERLOADING OR IMPROPER LOADING OF VEHICLE WITH CARGO OR PASSENGERS            |
| 097   | UNA DIS TC  | UNABLE TO DETERMINE WHICH DRIVER DISREGARDED TRAFFIC CONTROL DEVICE            |



# EVENT CODE TRANSLATION LIST

| EVENT<br>CODE | SHORT<br>DESCRIPTION | LONG DESCRIPTION                                                          |
|---------------|----------------------|---------------------------------------------------------------------------|
| 001           | FEL/JUMP             | OCCUPANT FELL, JUMPED OR WAS EJECTED FROM MOVING VEHICLE                  |
| 002           | INTERFER             | PASSENGER INTERFERED WITH DRIVER                                          |
| 003           | BUG INTF             | ANIMAL OR INSECT IN VEHICLE INTERFERED WITH DRIVER                        |
| 004           | PED INV              | PEDESTRIAN INVOLVED (NON-PEDESTRIAN ACCIDENT)                             |
| 005           | SUB-PED              | "SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.               |
| 006           | BIKE INV             | TRICYCLE-BICYCLE INVOLVED                                                 |
| 007           | HITCHIKR             | HITCHHIKER (SOLICITING A RIDE)                                            |
| 008           | PSNGR TOW            | PASSENGER BEING TOWED OR PUSHED ON CONVEYANCE                             |
| 009           | ON/OFF V             | GETTING ON OR OFF STOPPED OR PARKED VEHICLE (OCCUPANTS ONLY)              |
| 010           | SUB OTRN             | OVERTURNED AFTER FIRST HARMFUL EVENT                                      |
| 011           | MV PUSHD             | VEHICLE BEING PUSHED                                                      |
| 012           | MV TOWED             | VEHICLE TOWED OR HAD BEEN TOWING ANOTHER VEHICLE                          |
| 013           | FORCED               | VEHICLE FORCED BY IMPACT INTO ANOTHER VEHICLE, PEDALCYCLIST OR PEDESTRIAN |
| 014           | SET MOTN             | VEHICLE SET IN MOTION BY NON-DRIVER (CHILD RELEASED BRAKES, ETC.)         |
| 015           | RR ROW               | AT OR ON RAILROAD RIGHT-OF-WAY (NOT LIGHT RAIL)                           |
| 016           | LT RL ROW            | AT OR ON LIGHT-RAIL RIGHT-OF-WAY                                          |
| 017           | RR HIT V             | TRAIN STRUCK VEHICLE                                                      |
| 018           | V HIT RR             | VEHICLE STRUCK TRAIN                                                      |
| 019           | HIT RR CAR           | VEHICLE STRUCK RAILROAD CAR ON ROADWAY                                    |
| 020           | JACKKNIFE            | JACKKNIFE; TRAILER OR TOWED VEHICLE STRUCK TOWING VEHICLE                 |
| 021           | TRL OTRN             | TRAILER OR TOWED VEHICLE OVERTURNED                                       |
| 022           | CN BROKE             | TRAILER CONNECTION BROKE                                                  |
| 023           | DETACH TRL           | DETACHED TRAILING OBJECT STRUCK OTHER VEHICLE, NON-MOTORIST, OR OBJECT    |
| 024           | V DOOR OPN           | VEHICLE DOOR OPENED INTO ADJACENT TRAFFIC LANE                            |
| 025           | WHEELOFF             | WHEEL CAME OFF                                                            |
| 026           | HOOD UP              | HOOD FLEW UP                                                              |
| 028           | LOAD SHIFT           | LOST LOAD, LOAD MOVED OR SHIFTED                                          |
| 029           | TIREFAIL             | TIRE FAILURE                                                              |
| 030           | PET                  | PET: CAT, DOG AND SIMILAR                                                 |
| 031           | LVSTOCK              | STOCK: COW, CALF, BULL, STEER, SHEEP, ETC.                                |
| 032           | HORSE                | HORSE, MULE, OR DONKEY                                                    |
| 033           | HRSE&RID             | HORSE AND RIDER                                                           |
| 034           | GAME                 | WILD ANIMAL, GAME (INCLUDES BIRDS; NOT DEER OR ELK)                       |
| 035           | DEER ELK             | DEER OR ELK, WAPITI                                                       |
| 036           | ANML VEH             | ANIMAL-DRAWN VEHICLE                                                      |
| 037           | CULVERT              | CULVERT, OPEN LOW OR HIGH MANHOLE                                         |
| 038           | ATENUATN             | IMPACT ATTENUATOR                                                         |
| 039           | PK METER             | PARKING METER                                                             |
| 040           | CURB                 | CURB (ALSO NARROW SIDEWALKS ON BRIDGES)                                   |
| 041           | JIGGLE               | JIGGLE BARS OR TRAFFIC SNAKE FOR CHANNELIZATION                           |
| 042           | GDRL END             | LEADING EDGE OF GUARDRAIL                                                 |
| 043           | GARDRAIL             | GUARD RAIL (NOT METAL MEDIAN BARRIER)                                     |
| 044           | BARRIER              | MEDIAN BARRIER (RAISED OR METAL)                                          |
| 045           | WALL                 | RETAINING WALL OR TUNNEL WALL                                             |
| 046           | BR RAIL              | BRIDGE RAILING (ON BRIDGE AND APPROACH)                                   |
| 047           | BR ABUT              | BRIDGE ABUTMENT (APPROACH ENDS)                                           |
| 048           | BR COLMN             | BRIDGE PILLAR OR COLUMN (EVEN THOUGH STRUCK PROTECTIVE GUARD RAIL FIRST)  |
| 049           | BR GIRDR             | BRIDGE GIRDER (HORIZONTAL STRUCTURE OVERHEAD)                             |
| 050           | ISLAND               | TRAFFIC RAISED ISLAND                                                     |
| 051           | GORE                 | GORE                                                                      |
| 052           | POLE UNK             | POLE - TYPE UNKNOWN                                                       |
| 053           | POLE UTL             | POLE - POWER OR TELEPHONE                                                 |
| 054           | ST LIGHT             | POLE - STREET LIGHT ONLY                                                  |
| 055           | TRF SGNL             | POLE - TRAFFIC SIGNAL AND PED SIGNAL ONLY                                 |
| 056           | SGN BRDG             | POLE - SIGN BRIDGE                                                        |
| 057           | STOPSIGN             | STOP OR YIELD SIGN                                                        |
| 058           | OTH SIGN             | OTHER SIGN, INCLUDING STREET SIGNS                                        |
| 059           | HYDRANT              | HYDRANT                                                                   |

# EVENT CODE TRANSLATION LIST

| EVENT<br>CODE | SHORT<br>DESCRIPTION | LONG DESCRIPTION                                                                 |
|---------------|----------------------|----------------------------------------------------------------------------------|
| 060           | MARKER               | DELINEATOR OR MARKER (REFLECTOR POSTS)                                           |
| 061           | MAILBOX              | MAILBOX                                                                          |
| 062           | TREE                 | TREE, STUMP OR SHRUBS                                                            |
| 063           | VEG OHED             | TREE BRANCH OR OTHER VEGETATION OVERHEAD, ETC.                                   |
| 064           | WIRE/CBL             | WIRE OR CABLE ACROSS OR OVER THE ROAD                                            |
| 065           | TEMP SGN             | TEMPORARY SIGN OR BARRICADE IN ROAD, ETC.                                        |
| 066           | PERM SGN             | PERMANENT SIGN OR BARRICADE IN/OFF ROAD                                          |
| 067           | SLIDE                | SLIDES, ROCKS OFF OR ON ROAD, FALLING ROCKS                                      |
| 068           | FRGN OBJ             | FOREIGN OBSTRUCTION/DEBRIS IN ROAD (NOT GRAVEL)                                  |
| 069           | EQP WORK             | EQUIPMENT WORKING IN/OFF ROAD                                                    |
| 070           | OTH EQP              | OTHER EQUIPMENT IN OR OFF ROAD (INCLUDES PARKED TRAILER, BOAT)                   |
| 071           | MAIN EQP             | WRECKER, STREET SWEEPER, SNOW PLOW OR SANDING EQUIPMENT                          |
| 072           | OTHER WALL           | ROCK, BRICK OR OTHER SOLID WALL                                                  |
| 073           | IRRGL PVMT           | SPEED BUMP, OTHER BUMP, POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)               |
| 075           | CAVE IN              | BRIDGE OR ROAD CAVE IN                                                           |
| 076           | HI WATER             | HIGH WATER                                                                       |
| 077           | SNO BANK             | SNOW BANK                                                                        |
| 078           | HOLE                 | CHUCKHOLE IN ROAD, LOW OR HIGH SHOULDER AT PAVEMENT EDGE                         |
| 079           | DITCH                | CUT SLOPE OR DITCH EMBANKMENT                                                    |
| 080           | OBJ F MV             | STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS) |
| 081           | FLY-OBJ              | STRUCK BY OTHER MOVING OR FLYING OBJECT                                          |
| 082           | VEH HID              | VEHICLE OBSCURED VIEW                                                            |
| 083           | VEG HID              | VEGETATION OBSCURED VIEW                                                         |
| 084           | BLDG HID             | VIEW OBSCURED BY FENCE, SIGN, PHONE BOOTH, ETC.                                  |
| 085           | WIND GUST            | WIND GUST                                                                        |
| 086           | IMMERSED             | VEHICLE IMMERSED IN BODY OF WATER                                                |
| 087           | FIRE/EXP             | FIRE OR EXPLOSION                                                                |
| 088           | FENC/BLD             | FENCE OR BUILDING, ETC.                                                          |
| 089           | OTH ACDT             | ACCIDENT RELATED TO ANOTHER SEPARATE ACCIDENT                                    |
| 090           | TO 1 SIDE            | TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE                        |
| 092           | PHANTOM              | OTHER (PHANTOM) NON-CONTACT VEHICLE (ON PAR OR REPORT)                           |
| 093           | CELL-POL             | CELL PHONE (ON PAR OR DRIVER IN USE)                                             |
| 094           | VIOL GDL             | TEENAGE DRIVER IN VIOLATION OF GRADUATED LICENSE PGM                             |
| 095           | GUY WIRE             | GUY WIRE                                                                         |
| 096           | BERM                 | BERM (EARTHEN OR GRAVEL MOUND)                                                   |
| 097           | GRAVEL               | GRAVEL IN ROADWAY                                                                |
| 098           | ABR EDGE             | ABRUPT EDGE                                                                      |
| 099           | CELL-WTN             | CELL PHONE USE WITNESSED BY OTHER PARTICIPANT                                    |
| 100           | UNK FIXD             | UNKNOWN TYPE OF FIXED OBJECT                                                     |
| 101           | OTHER OBJ            | OTHER OR UNKNOWN OBJECT, NOT FIXED                                               |
| 104           | OUTSIDE V            | PASSENGER RIDING ON VEHICLE EXTERIOR                                             |
| 105           | PEDAL PSGR           | PASSENGER RIDING ON PEDALCYCLE                                                   |
| 106           | MAN WHLCHR           | PEDESTRIAN IN NON-MOTORIZED WHEELCHAIR                                           |
| 107           | MTR WHLCHR           | PEDESTRIAN IN MOTORIZED WHEELCHAIR                                               |
| 110           | N-MTR                | NON-MOTORIST STRUCK VEHICLE                                                      |
| 111           | S CAR VS V           | STREET CAR/TROLLEY (ON RAILS AND/OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE         |
| 112           | V VS S CAR           | VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS AND/OR OVERHEAD WIRE SYSTEM)         |
| 113           | S CAR ROW            | AT OR ON STREET CAR/TROLLEY RIGHT-OF-WAY                                         |
| 114           | RR EQUIP             | VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS                          |
| 120           | WIRE BAR             | WIRE OR CABLE MEDIAN BARRIER                                                     |
| 124           | SLIPPERY             | SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE                   |
| 125           | SHLDR                | SHOULDER GAVE WAY                                                                |

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

| FUNC<br>CLASS | DESCRIPTION                                       |
|---------------|---------------------------------------------------|
| 01            | RURAL PRINCIPAL ARTERIAL - INTERSTATE             |
| 02            | RURAL PRINCIPAL ARTERIAL - OTHER                  |
| 06            | RURAL MINOR ARTERIAL                              |
| 07            | RURAL MAJOR COLLECTOR                             |
| 08            | RURAL MINOR COLLECTOR                             |
| 09            | RURAL LOCAL                                       |
| 11            | URBAN PRINCIPAL ARTERIAL - INTERSTATE             |
| 12            | URBAN PRINCIPAL ARTERIAL - OTHER FREEWAYS AND EXP |
| 14            | URBAN PRINCIPAL ARTERIAL - OTHER                  |
| 16            | URBAN MINOR ARTERIAL                              |
| 17            | URBAN COLLECTOR                                   |
| 19            | URBAN LOCAL                                       |
| 78            | UNKNOWN RURAL SYSTEM                              |
| 79            | UNKNOWN RURAL NON-SYSTEM                          |
| 98            | UNKNOWN URBAN SYSTEM                              |
| 99            | UNKNOWN URBAN NON-SYSTEM                          |

HIGHWAY COMPONENT TRANSLATION LIST

| CODE | DESCRIPTION            |
|------|------------------------|
| 0    | MAINLINE STATE HIGHWAY |
| 1    | COUPLET                |
| 3    | FRONTAGE ROAD          |
| 6    | CONNECTION             |
| 8    | HIGHWAY - OTHER        |

INJURY SEVERITY CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION                               |
|------|---------------|------------------------------------------------|
| 1    | KILL          | FATAL INJURY                                   |
| 2    | INJA          | INCAPACITATING INJURY - BLEEDING, BROKEN BONES |
| 3    | INJB          | NON-INCAPACITATING INJURY                      |
| 4    | INJC          | POSSIBLE INJURY - COMPLAINT OF PAIN            |
| 5    | PRI           | DIED PRIOR TO CRASH                            |
| 7    | NO<5          | NO INJURY - 0 TO 4 YEARS OF AGE                |

LIGHT CONDITION CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION              |
|------|---------------|-------------------------------|
| 0    | UNK           | UNKNOWN                       |
| 1    | DAY           | DAYLIGHT                      |
| 2    | DLIT          | DARKNESS - WITH STREET LIGHTS |
| 3    | DARK          | DARKNESS - NO STREET LIGHTS   |
| 4    | DAWN          | DAWN (TWILIGHT)               |
| 5    | DUSK          | DUSK (TWILIGHT)               |

MEDIAN TYPE CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION             |
|------|---------------|------------------------------|
| 0    | NONE          | NO MEDIAN                    |
| 1    | RSDMD         | SOLID MEDIAN BARRIER         |
| 2    | DIVMD         | EARTH, GRASS OR PAVED MEDIAN |

MILEAGE TYPE CODE TRANSLATION LIST

| CODE | LONG DESCRIPTION |
|------|------------------|
| 0    | REGULAR MILEAGE  |
| T    | TEMPORARY        |
| Y    | SPUR             |
| Z    | OVERLAPPING      |

# MOVEMENT TYPE CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION    |
|------|---------------|---------------------|
| 0    | UNK           | UNKNOWN             |
| 1    | STRGHT        | STRAIGHT AHEAD      |
| 2    | TURN-R        | TURNING RIGHT       |
| 3    | TURN-L        | TURNING LEFT        |
| 4    | U-TURN        | MAKING A U-TURN     |
| 5    | BACK          | BACKING             |
| 6    | STOP          | STOPPED IN TRAFFIC  |
| 7    | PRKD-P        | PARKED - PROPERLY   |
| 8    | PRKD-I        | PARKED - IMPROPERLY |

# PARTICIPANT TYPE CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION                            |
|------|---------------|---------------------------------------------|
| 0    | OCC           | UNKNOWN OCCUPANT TYPE                       |
| 1    | DRVR          | DRIVER                                      |
| 2    | PSNG          | PASSENGER                                   |
| 3    | PED           | PEDESTRIAN                                  |
| 4    | CONV          | PEDESTRIAN USING A PEDESTRIAN CONVEYANCE    |
| 5    | PTOW          | PEDESTRIAN TOWING OR TRAILERING AN OBJECT   |
| 6    | BIKE          | PEDALCYCLIST                                |
| 7    | BTOW          | PEDALCYCLIST TOWING OR TRAILERING AN OBJECT |
| 8    | PRKD          | OCCUPANT OF A PARKED MOTOR VEHICLE          |
| 9    | UNK           | UNKNOWN TYPE OF NON-MOTORIST                |

# PEDESTRIAN LOCATION CODE TRANSLATION LIST

| CODE | LONG DESCRIPTION                                  |
|------|---------------------------------------------------|
| 00   | AT INTERSECTION - NOT IN ROADWAY                  |
| 01   | AT INTERSECTION - INSIDE CROSSWALK                |
| 02   | AT INTERSECTION - IN ROADWAY, OUTSIDE CROSSWALK   |
| 03   | AT INTERSECTION - IN ROADWAY, XWALK AVAILABLE     |
| 04   | NOT AT INTERSECTION - IN ROADWAY                  |
| 05   | NOT AT INTERSECTION - ON SHOULDER                 |
| 06   | NOT AT INTERSECTION - ON MEDIAN                   |
| 07   | NOT AT INTERSECTION - WITHIN TRAFFIC RIGHT-OF-WAY |
| 08   | NOT AT INTERSECTION - IN BIKE PATH                |
| 09   | NOT-AT INTERSECTION - ON SIDEWALK                 |
| 10   | OUTSIDE TRAFFICWAY BOUNDARIES                     |
| 15   | NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK  |
| 18   | OTHER, NOT IN ROADWAY                             |
| 99   | UNKNOWN LOCATION                                  |

# TRAFFIC CONTROL DEVICE CODE TRANSLATION LIST

| CODE | SHORT DESC | LONG DESCRIPTION                                 |
|------|------------|--------------------------------------------------|
| 000  | NONE       | NO CONTROL                                       |
| 001  | TRF SIGNAL | TRAFFIC SIGNALS                                  |
| 002  | FLASHBCN-R | FLASHING BEACON - RED (STOP)                     |
| 003  | FLASHBCN-A | FLASHING BEACON - AMBER (SLOW)                   |
| 004  | STOP SIGN  | STOP SIGN                                        |
| 005  | SLOW SIGN  | SLOW SIGN                                        |
| 006  | REG-SIGN   | REGULATORY SIGN                                  |
| 007  | YIELD      | YIELD SIGN                                       |
| 008  | WARNING    | WARNING SIGN                                     |
| 009  | CURVE      | CURVE SIGN                                       |
| 010  | SCHL X-ING | SCHOOL CROSSING SIGN OR SPECIAL SIGNAL           |
| 011  | OFCCR/FLAG | POLICE OFFICER, FLAGMAN - SCHOOL PATROL          |
| 012  | BRDG-GATE  | BRIDGE GATE - BARRIER                            |
| 013  | TEMP-BARR  | TEMPORARY BARRIER                                |
| 014  | NO-PASS-ZN | NO PASSING ZONE                                  |
| 015  | ONE-WAY    | ONE-WAY STREET                                   |
| 016  | CHANNEL    | CHANNELIZATION                                   |
| 017  | MEDIAN BAR | MEDIAN BARRIER                                   |
| 018  | PILOT CAR  | PILOT CAR                                        |
| 019  | SP PED SIG | SPECIAL PEDESTRIAN SIGNAL                        |
| 020  | X-BUCK     | CROSSBUCK                                        |
| 021  | THR-GN-SIG | THROUGH GREEN ARROW OR SIGNAL                    |
| 022  | L-GRN-SIG  | LEFT TURN GREEN ARROW, LANE MARKINGS, OR SIGNAL  |
| 023  | R-GRN-SIG  | RIGHT TURN GREEN ARROW, LANE MARKINGS, OR SIGNAL |
| 024  | WIGWAG     | WIGWAG OR FLASHING LIGHTS W/O DROP-ARM GATE      |
| 025  | X-BUCK WRN | CROSSBUCK AND ADVANCE WARNING                    |
| 026  | WW W/ GATE | FLASHING LIGHTS WITH DROP-ARM GATES              |
| 027  | OVHRD SGNL | SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)      |
| 028  | SP RR STOP | SPECIAL RR STOP SIGN                             |
| 029  | ILUM GRD X | ILLUMINATED GRADE CROSSING                       |
| 037  | RAMP METER | METERED RAMPS                                    |
| 038  | RUMBLE STR | RUMBLE STRIP                                     |
| 090  | L-TURN REF | LEFT TURN REFUGE (WHEN REFUGE IS INVOLVED)       |
| 091  | R-TURN ALL | RIGHT TURN AT ALL TIMES SIGN, ETC.               |
| 092  | EMR SGN/FL | EMERGENCY SIGNS OR FLARES                        |
| 093  | ACCEL LANE | ACCELERATION OR DECELERATION LANES               |
| 094  | R-TURN PRO | RIGHT TURN PROHIBITED ON RED AFTER STOPPING      |

# ROAD CHARACTER CODE TRANSLATION LIST

| CODE | SHORT<br>DESC | LONG DESCRIPTION         |
|------|---------------|--------------------------|
| 0    | UNK           | UNKNOWN                  |
| 1    | INTER         | INTERSECTION             |
| 2    | ALLEY         | DRIVEWAY OR ALLEY        |
| 3    | STRGHT        | STRAIGHT ROADWAY         |
| 4    | TRANS         | TRANSITION               |
| 5    | CURVE         | CURVE (HORIZONTAL CURVE) |
| 6    | OPENAC        | OPEN ACCESS OR TURNOUT   |
| 7    | GRADE         | GRADE (VERTICAL CURVE)   |
| 8    | BRIDGE        | BRIDGE STRUCTURE         |
| 9    | TUNNEL        | TUNNEL                   |

|     |            |                              |
|-----|------------|------------------------------|
| 095 | BUS STPSGN | BUS STOP SIGN AND RED LIGHTS |
| 099 | UNKNOWN    | UNKNOWN OR NOT DEFINITE      |

VEHICLE TYPE CODE TRANSLATION LIST

| CODE | SHORT DESC | LONG DESCRIPTION                                 |
|------|------------|--------------------------------------------------|
| 01   | PSNGR CAR  | PASSENGER CAR, PICKUP, ETC.                      |
| 02   | BOBTAIL    | TRUCK TRACTOR WITH NO TRAILERS (BOBTAIL)         |
| 03   | FARM TRCTR | FARM TRACTOR OR SELF-PROPELLED FARM EQUIPMENT    |
| 04   | SEMI TOW   | TRUCK TRACTOR WITH TRAILER/MOBILE HOME IN TOW    |
| 05   | TRUCK      | TRUCK WITH NON-DETACHABLE BED, PANEL, ETC.       |
| 06   | MOPED      | MOPED, MINIBIKE, MOTOR SCOOTER, OR MOTOR BICYCLE |
| 07   | SCHL BUS   | SCHOOL BUS (INCLUDES VAN)                        |
| 08   | OTH BUS    | OTHER BUS                                        |
| 09   | MTRCYCLE   | MOTORCYCLE                                       |
| 10   | OTHER      | OTHER: FORKLIFT, BACKHOE, ETC.                   |
| 11   | MOTRHOME   | MOTORHOME                                        |
| 12   | TROLLEY    | MOTORIZED STREET CAR/TROLLEY (NO RAILS/WIRES)    |
| 13   | ATV        | ATV                                              |
| 14   | MTRSCTR    | MOTORIZED SCOOTER                                |
| 15   | SNOWMOBILE | SNOWMOBILE                                       |
| 99   | UNKNOWN    | UNKNOWN VEHICLE TYPE                             |

WEATHER CONDITION CODE TRANSLATION LIST

| CODE | SHORT DESC | LONG DESCRIPTION |
|------|------------|------------------|
| 0    | UNK        | UNKNOWN          |
| 1    | CLR        | CLEAR            |
| 2    | CLD        | CLOUDY           |
| 3    | RAIN       | RAIN             |
| 4    | SLT        | SLEET            |
| 5    | FOG        | FOG              |
| 6    | SNOW       | SNOW             |
| 7    | DUST       | DUST             |
| 8    | SMOK       | SMOKE            |
| 9    | ASH        | ASH              |

## **Appendix H – Existing Bridge Conditions**

The following pages of *Appendix H* contain additional information on the existing bridge conditions in the City of Ashland including bridge length, structural materials, and observations from inspection reports.

DRAFT

### **ASHLAND CREEK, HIGHWAY 63 NB BRIDGE (NO. 08049)**

A 258-foot long, 6-span, reinforced concrete deck girder (RCDG) bridge supported on three reinforced concrete columns at each interior bent. The inspection report notes that there are shear cracks in the girders and in the bent caps. Additionally, holes in the deck soffit were noted. The inspection report also states that all caps need repair and load rating results are very low for the interior girders. This bridge is posted for Oregon legal vehicles Type 3, 3S2, and 3-3. The substructure has a National Bridge Inventory (NBI) rating of "poor" while the deck and superstructure are rated as "fair". This bridge has an extremely low SR of 6.0 and is classified as being structurally deficient, but is not classified as being functionally obsolete.

### **ASHLAND CREEK, HIGHWAY 63 SB BRIDGE (NO. 0M274)**

A 22-foot long, single span, concrete deck arch. Built in 1911, this bridge is the oldest of the Ashland bridges inventoried. The inspection report notes that there are large cracks up to 0.125" on the side and bottom of the arch and the foundation has some scour. The NBI structure appraisal is very low at a rating of 3 and "intolerable – correct". This bridge has a SR of 66.5 and is classified as being functionally obsolete, but is not classified as being structurally deficient.

### **ASHLAND CREEK, VAN NESS AVENUE BRIDGE (NO. 29CY3)**

A steel culvert with a structure length listed as 23 feet. The inspection report notes moderate corrosion and pitting along the full length of the culvert and some efflorescence at the bent joints. Additionally, the inspection report notes that the paint system of the bridge railing has failed and the rail panels are lapped in the wrong direction. Finally, this bridge appears to have some scour at the culvert floor and scour countermeasures are recommended to be installed along the culvert floor slab. This bridge has a SR of 67.1 and is not classified as being structurally deficient or functionally obsolete.

### **HIGHWAY 21 OVER HIGHWAY 1 BRIDGE (NO. 08745)**

This bridge crosses over I-5 and is a 287-foot long, 4-span, prestressed concrete girder structure supported on two reinforced concrete columns at each interior bent. The deck, superstructure, and substructure are all NBI rated as "good". The inspection report notes that there are shear cracks in all of the bent caps, but they have had internal shear reinforcing added and the cracks were epoxy injected. Several of the elastomeric bearing pads at Bent 5 may have been damaged due to fires built by transients under the bridge. The minimum vertical clearance over I-5 is only 14'-7" within the northbound travel lane and about 17'-4" within the southbound travel lane. Per the ODOT Bridge Design and Drafting Manual (BDDM), the minimum vertical clearance for new construction would be 17'-4". This bridge has a SR of 73.5 and is not classified as being structurally deficient or functionally obsolete.

### **ASHLAND CREEK, WINBURN WAY BRIDGE (NO. 18911)**

A reinforced concrete arch culvert. The structure length is listed to be 33 feet in the inspection report. The inspection report notes longitudinal hairline cracking in the culvert, some leaking at the joints and some scour beneath the footings. This bridge has a SR of 79.4 and is not classified as being structurally deficient or functionally obsolete.

### **HIGHWAY 1 SB OVER CROWSON ROAD BRIDGE (NO. 08746S)**

This bridge on I-5 is a 150-foot long, 3-span, prestressed concrete girder bridge supported on two reinforced concrete columns at each interior bent. A seismic retrofit has been done on this structure and in 2002 a deck rehabilitation was done. The inspection report notes that there is cracking in the deck and concrete caps. Additionally, one of the girders was hit and has spalled slightly. Maintenance recommendations are to seal the deck. This bridge has a SR of 81.0 and is not classified as being structurally deficient or functionally obsolete.

### **ASHLAND CREEK, WATER STREET BRIDGE (NO. 20785)**

A 64-foot long, single span, prestressed girder bridge. The bridge is only four years old having been built in 2006 and is in good to very good condition. The inspection reports observations of hairline cracks at Bent 1, a ½" of settlement at the Bent 2 approach causing a tripping hazard and downstream aggradation, and channel alignment causing stream flow along Bent 1. This bridge has a SR of 82.4 and is not classified as being structurally deficient or functionally obsolete.

### **BEAR CREEK, MOUNTAIN AVENUE BRIDGE (NO. 29CY4)**

A 102-foot long, 2-span, prestressed concrete slab bridge. The NBI ratings for the bridge range from "Fair" for the substructure to "Satisfactory" for the deck and superstructure. The inspection report notes some minor cracking in the slab keyways and Pier 2 and a larger crack in the Bent 1 abutment of up to 0.040" width. Further observations include spalls in the girders, leaking at the joints, and 2-foot deep scour holes due to debris buildup. The paint on the timber railing also requires maintenance and the approaches have settled causing traffic to impact the bridge. This bridge has a SR of 83.3 and is not classified as being structurally deficient or functionally obsolete.

### **HIGHWAY 21 OVER COR BRIDGE (NO. 00406A)**

A 315-foot long, 3-span, continuous prestressed concrete girder structure supported on reinforced concrete multi-column interior bents. The bridge deck was sealed in 2007 and the deck itself has a NBI rating of "satisfactory". The superstructure and substructure are rated to be "good", but the inspection report notes that cracking has been observed on the columns, deck, and closure pours. This bridge has a SR of 99.2 and is not classified as being structurally deficient or functionally obsolete.



## **Appendix I - Transportation /LID Portion of the CIP through FY 2012-17**

*Appendix I* contains the detailed summary of the Transportation/Local Improvement Districts (LID) Portion of the Capital Improvements Program (CIP) through Fiscal Year (FY) 2012-17.

DRAFT

Capital Improvements Plan  
2008-2017 Construction Years

| Project Description                                                  | Est. Spend 2008-09 | Est. Spend 2009-10 | Est. Spend 2010-11 | 2011-12     | 2012-13     | 2013-14     | 2014-15     | 2015-16     | 2016-17     | FY12-17 TOTAL COST    |                   |               |             |                        |
|----------------------------------------------------------------------|--------------------|--------------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-------------------|---------------|-------------|------------------------|
| <b>Transportation</b>                                                | <b>FY09 Est</b>    | <b>FY10 Est</b>    | <b>FY11 Est</b>    | <b>FY12</b> | <b>FY13</b> | <b>FY14</b> | <b>FY15</b> | <b>FY16</b> | <b>FY17</b> | <b>Project Totals</b> | <b>Street SDC</b> | <b>Grants</b> | <b>LIDs</b> | <b>Fee &amp; Rates</b> |
| Hersey Street Pedestrian/Safety Improvements                         | \$ 25,150          | \$ 200,000         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 225,150            | \$ -              | \$ 200,000    | \$ -        | \$ 25,150              |
| Overlay - North Laurel Street – North Main Street to Railroad tracks | \$ -               | \$ 132,900         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 132,900            | \$ -              | \$ 132,900    | \$ -        | \$ -                   |
| Overlay - Iowa Street – Wightman Street to South Mountain Avenue     | \$ -               | \$ 180,600         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 180,600            | \$ -              | \$ 180,600    | \$ -        | \$ -                   |
| Overlay - West Nevada Street – Vansant Street to Michelle Avenue     | \$ -               | \$ 146,600         | \$ -               | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 146,600            | \$ -              | \$ 146,600    | \$ -        | \$ -                   |
| TSP Update                                                           | \$ 178,820         | \$ 25,000          | \$ 216,000         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 419,820            | \$ 419,820        | \$ -          | \$ -        | \$ -                   |
| Jefferson Street Extension Project (Brammo - OECDD)                  | \$ -               | \$ -               | \$ 600,000         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 600,000            | \$ -              | \$ 400,000    | \$ -        | \$ 200,000             |
| Pavement plus; Plaza Avenue (CMAQ)                                   | \$ 13,146          | \$ -               | \$ 80,000          | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 93,146             | \$ -              | \$ -          | \$ -        | \$ 93,146              |
| Sidewalk Construction - Laurel Street - Hersey to Randy              | \$ -               | \$ -               | \$ 280,000         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 280,000            | \$ -              | \$ 280,000    | \$ -        | \$ -                   |
| Railroad Crossing Improvements; Hersey & Laurel                      | \$ 30,000          | \$ -               | \$ 450,000         | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 480,000            | \$ -              | \$ 450,000    | \$ -        | \$ 30,000              |
| Railroad Crossing Improvements; Oak                                  | \$ -               | \$ -               | \$ -               | \$ 35,000   | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 35,000             | \$ 5,250          | \$ -          | \$ -        | \$ 29,750              |
| Railroad Crossing Improvements; Walker                               | \$ -               | \$ -               | \$ -               | \$ -        | \$ 350,000  | \$ -        | \$ -        | \$ -        | \$ -        | \$ 350,000            | \$ -              | \$ 350,000    | \$ -        | \$ -                   |
| Miscellaneous Concrete Safety Repairs                                | \$ 100,000         | \$ 100,000         | \$ 100,000         | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 900,000            | \$ -              | \$ -          | \$ -        | \$ 900,000             |
| Misc New Sidewalk Improvements (based on prioritized list in TSP)    | \$ 80,000          | \$ 80,000          | \$ 80,000          | \$ 80,000   | \$ 80,000   | \$ 80,000   | \$ 80,000   | \$ 80,000   | \$ 80,000   | \$ 720,000            | \$ 180,000        | \$ -          | \$ -        | \$ 540,000             |
| Slurry Seal Streets Per PMS                                          | \$ -               | \$ -               | \$ 97,000          | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 100,000  | \$ 697,000            | \$ -              | \$ -          | \$ -        | \$ 697,000             |
| Subtotal Transportation                                              | \$ 427,116         | \$ 865,100         | \$ 1,903,000       | \$ 315,000  | \$ 630,000  | \$ 280,000  | \$ 280,000  | \$ 280,000  | \$ 280,000  | \$ 5,260,216          | \$ 605,070        | \$ 2,140,100  | \$ -        | \$ 2,515,046           |

|                                                                                           |                 |                 |                 |             |             |             |             |             |             |                       |                   |               |             |                        |
|-------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|-------------------|---------------|-------------|------------------------|
| <b>Street Improvements/Overlays per Pavement Management System (Goal of \$350,000/yr)</b> | <b>FY09 Est</b> | <b>FY10 Est</b> | <b>FY11 Est</b> | <b>FY12</b> | <b>FY13</b> | <b>FY14</b> | <b>FY15</b> | <b>FY16</b> | <b>FY17</b> | <b>Project Totals</b> | <b>Street SDC</b> | <b>Grants</b> | <b>LIDs</b> | <b>Fee &amp; Rates</b> |
| Will Dodge Way Overlay/Reconstruction                                                     | \$ -            | \$ -            | \$ 50,000       | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 50,000             | \$ -              |               | \$ -        | \$ 50,000              |
| Overlay - Allison Street - Gresham to Sherman                                             | \$ -            | \$ 50,000       | \$ 350,000      | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 400,000            | \$ -              | \$ 376,000    | \$ -        | \$ 24,000              |
| Overlay - N Mountain Avenue - Hersey to I-5                                               | \$ -            | \$ -            | \$ 275,000      | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 275,000            | \$ -              | \$ 275,000    | \$ -        | \$ -                   |
| Overlay - Wightman Street - Quincy to Siskiyou                                            | \$ -            | \$ -            | \$ -            | \$ 225,000  | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 225,000            | \$ -              | \$ -          | \$ -        | \$ 225,000             |
| Overlay - Taylor Street - Holly to Ashland                                                | \$ -            | \$ -            | \$ -            | \$ 125,000  | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 125,000            | \$ -              | \$ -          | \$ -        | \$ 125,000             |
| Overlay - S. Mountain Avenue - Siskiyou to Prospect                                       | \$ -            | \$ -            | \$ -            | \$ -        | \$ 300,000  | \$ -        | \$ -        | \$ -        | \$ -        | \$ 300,000            | \$ -              | \$ -          | \$ -        | \$ 300,000             |
| Overlay - Park Street - Siskiyou to End                                                   | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ 250,000  | \$ -        | \$ -        | \$ -        | \$ 250,000            | \$ -              | \$ -          | \$ -        | \$ 250,000             |
| Overlay - Winburn Way - Granite to Nutley                                                 | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ 60,000   | \$ -        | \$ -        | \$ -        | \$ 60,000             | \$ -              | \$ -          | \$ -        | \$ 60,000              |
| Overlay - Oak Street - Railroad Tracks to Oaklawn                                         | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ 350,000  | \$ -        | \$ -        | \$ 350,000            | \$ -              | \$ -          | \$ -        | \$ 350,000             |
| Overlay - Ashland Street - Morton to Taylor                                               | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ 110,000  | \$ -        | \$ 110,000            | \$ -              | \$ -          | \$ -        | \$ 110,000             |
| Overlay - Morton Street - Iowa to Pennsylvania                                            | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ 75,000   | \$ -        | \$ 75,000             | \$ -              | \$ -          | \$ -        | \$ 75,000              |
| Overlay - Holly Street - Morton to Idaho                                                  | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ 95,000   | \$ -        | \$ 95,000             | \$ -              | \$ -          | \$ -        | \$ 95,000              |
| Overlay - Liberty Street - Siskiyou to Iowa                                               | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ 20,000   | \$ -        | \$ 20,000             | \$ -              | \$ -          | \$ -        | \$ 20,000              |
| Overlay - Nutley Street – Scenic to Winburn                                               | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 100,000  | \$ 100,000            | \$ -              | \$ -          | \$ -        | \$ 100,000             |
| Overlay - Helman Street – N. Main to Ohio                                                 | \$ -            | \$ -            | \$ -            | \$ -        | \$ -        | \$ -        | \$ -        | \$ -        | \$ 200,000  | \$ 200,000            | \$ -              | \$ -          | \$ -        | \$ 200,000             |
| Subtotal Street Improvements/Overlays                                                     | \$ -            | \$ 50,000       | \$ 675,000      | \$ 350,000  | \$ 300,000  | \$ 310,000  | \$ 350,000  | \$ 300,000  | \$ 300,000  | \$ 2,635,000          | \$ -              | \$ 651,000    | \$ -        | \$ 1,984,000           |

|                                                                              |            |            |              |            |            |            |            |            |            |                |            |              |            |              |
|------------------------------------------------------------------------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|----------------|------------|--------------|------------|--------------|
| <b>Local Improvement Districts</b>                                           |            |            |              |            |            |            |            |            |            |                |            |              |            |              |
| Note: Costs shown are total project costs, City portion varies               | FY09 Est   | FY10 Est   | FY11 Est     | FY12       | FY13       | FY14       | FY15       | FY16       | FY17       | Project Totals | Street SDC | Grants       | Prop Owner | Fee & Rates  |
| Pavement plus; Liberty Street Local Improvement District                     | \$ 30,000  | \$ -       | \$ 275,000   | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 305,000     | \$ 54,900  | \$ -         | \$ 115,500 | \$ 134,600   |
| Pavement plus; Sheridan Street & Schofield Street Local Improvement District | \$ 25,400  | \$ -       | \$ 367,000   | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 392,400     | \$ 70,632  | \$ -         | \$ 98,000  | \$ 223,768   |
| Pavement plus; Fielder Street Local Improvement District (Indiana to End)    | \$ -       | \$ -       | \$ -         | \$ 130,000 | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 130,000     | \$ 23,400  | \$ -         | \$ 106,600 | \$ -         |
| Subtotal Local Improvement Districts                                         | \$ 55,400  | \$ -       | \$ 642,000   | \$ 130,000 | \$ -       | \$ -       | \$ -       | \$ -       | \$ -       | \$ 827,400     | \$ 148,932 | \$ -         | \$ 320,100 | \$ 358,368   |
| TRANSPORTATION / LID                                                         | \$ 482,516 | \$ 915,100 | \$ 3,220,000 | \$ 795,000 | \$ 930,000 | \$ 590,000 | \$ 630,000 | \$ 580,000 | \$ 580,000 | \$ 8,722,616   | \$ 754,002 | \$ 2,791,100 | \$ 320,100 | \$ 4,857,414 |