



PLEASANT VALLEY TSP REFINEMENT

>>> Existing and Future Planned
Conditions

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TRANSPORTATION CONDITIONS OVERVIEW

This memorandum evaluates the existing and future planned conditions for the Pleasant Valley Transportation System Plan (TSP), without the inclusion of the 174th Avenue Extension.

Key findings of this memorandum are as follows:

- ▶ Under existing conditions, all study intersections operate at LOS “D” or better during both weekday AM and PM peak hours, except for the following:
 - SE Foster Road/SE 172nd Avenue operates at LOS “F” during both weekday AM and PM peak hours, and
 - Powell Boulevard/SE 174th Avenue operates at LOS “F” during the weekday PM peak hour.
- ▶ Average crash rates exceeded critical crash rates at Powell Boulevard/SE 174th Avenue, SE Jenne Road/SE Foster Road, and SE 172nd Avenue/SE Foster Road.
- ▶ Planned improvements in the Pleasant Valley TSP include:
 - Sidewalks and bicycle lanes on all study roadways.
 - Potential transit service corridors on 172nd Avenue, Giese Road, 182nd Avenue, 190th Avenue, Clatsop Street/Cheldelin Road, and/or the new east-west collector south of Giese Road.
 - New east-west and north-south connections, including extensions to SE Giese Road, SE 174th Avenue, and SE Knapp Street within the study area.
 - Signalization of SE Giese Road/SE Foster Road, SE Giese Road/SE 174th Avenue, SE Giese Road/SE 190th Avenue, and SE Foster Road/SE 172nd Avenue and a signal modification to SE Jenne Road/SE Foster Road.
- ▶ The Happy Valley TSP references and implements the 172nd/190th Corridor Management plan, which includes the 172nd-190th Connector
- ▶ The City of Portland TSP includes widening of Powell Boulevard from SE 162nd Avenue to SE 174th Avenue to a four-lane cross-section.
- ▶ Under future planned conditions, all study intersections operate at LOS “D” or better during both weekday AM and PM peak hours, except for the following:
 - Powell Boulevard/SE 182nd Avenue operates at LOS “F” during the weekday PM peak hour, and
 - Powell Boulevard/SE 174th Avenue operates at LOS “F” during both weekday AM and PM peak hours.

IN THIS PAPER>>>

- ▶ *Existing facilities, operations, and safety performance*
- ▶ *Planned improvements and future operations*

PROJECT BACKGROUND

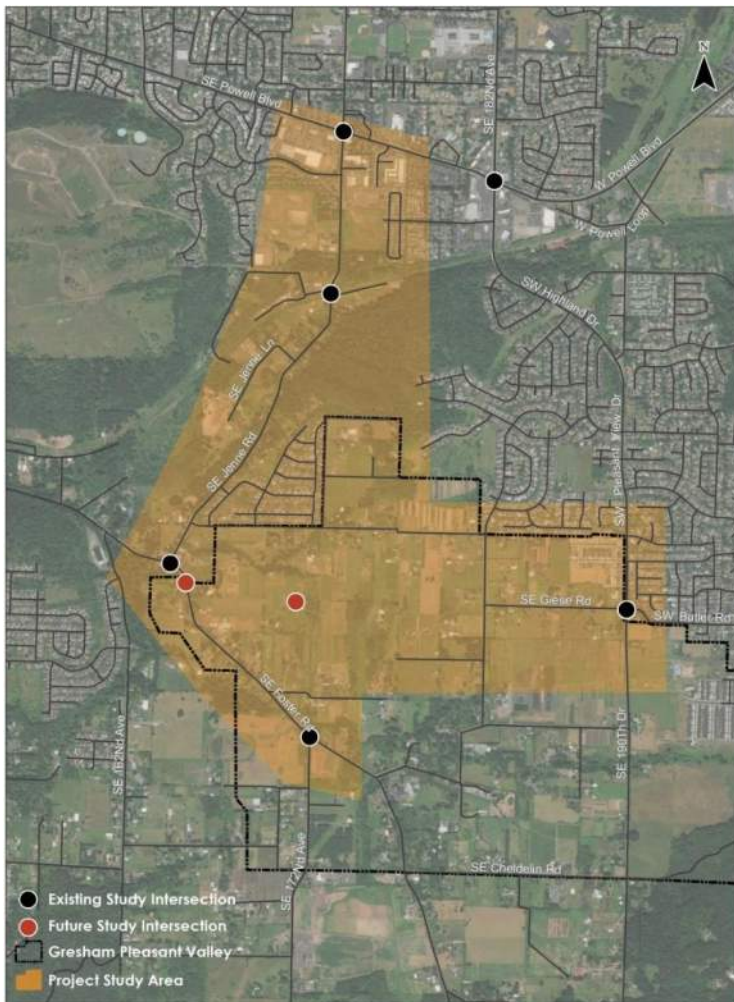
The City of Gresham is beginning a process to review the transportation facilities in the Pleasant Valley Transportation System Plan (TSP) with primary focus on determining how the system can function adequately in the future. Alternatives that include and exclude a potential new arterial extension of SE 174th Avenue to connect between SE Giese Road and SE Jenne Road will be analyzed to understand the impacts of that connection on the overall function of the Pleasant Valley street network. The SE 174th Avenue extension was originally identified in the planning for the Powell-Foster corridors and is included in the current Metro Regional Transportation Plan (RTP) project list. A preferred alternative will be incorporated into an updated Pleasant Valley TSP and identify the long-term vision for the area as well as near-term

solutions to address community concerns and support growth of the area. In addition, it will identify how improvements can be phased and their costs, right-of-way needs, and impacts.

The Pleasant Valley TSP was adopted in 2005. Since that time, planning has occurred by Clackamas County, Portland, and Metro. These plans are based on the Pleasant Valley TSP, which includes an extension of Giese Road between SE Foster Road and SE 182nd Avenue. In addition, it includes the downgrading of Foster Road into a local access street (i.e., retain current two-lane configuration), with the potential to disconnect or vacate the street in the confluence area of Kelley Creek. For example, in 2012, Happy Valley and Clackamas County jointly adopted the 172nd Avenue/190th Drive Corridor Management Plan, including a new arterial connection between SE 172nd Avenue and SE 190th Drive (the “172nd-190th Connector”). That plan considered the constraints of Jenne Road and the 174th Extension and the need to provide a more robust connection to SE 190th Avenue to supplement north/south connectivity.

The Pleasant Valley TSP (PVTSP) Refinement project is needed to reassess the PVTSP based on the most recent transportation plans for the surrounding areas. It will validate planned projects in the TSP and assesses the need and feasibility of the 174th extension north of Giese Road. Figure 1 illustrates the Pleasant Valley Boundary as well as the SE 174th Avenue extension, SE Giese Road extension, and 172nd-190th Connector. Figure 1 illustrates the Pleasant Valley Boundary as well as the project study area and study intersections.

Figure 1 – Project Study Area



EXISTING CONDITIONS

LAND USE & FACILITIES

The Pleasant Valley TSP Refinement study area is primarily focused on the Giese Road and 174th Avenue extensions. Under existing conditions, these areas primarily include low-density housing, agricultural uses, and recreational open areas. Surrounding this area, several commercial developments are located along Powell Boulevard. Pleasant Valley Elementary School is located at the SE Richey Road/SE Foster Road intersection. Currently, Powell Boulevard and SE Foster Road serve as key regional transportation routes.

Table 1 summarizes the attributes of the key transportation facilities in the study area.

Table 1. Existing Transportation Facilities and Roadway Designations

Roadway	Functional Classification	Cross Section	Posted Speed Limit	Sidewalks	Bike Lanes	On-Street Parking
Powell Boulevard	Standard Arterial ¹	3 lanes	35 mph	Yes	Yes	No
SE 174 th Avenue	Neighborhood Collector ²	2 lanes	35 mph	Partial	No	Yes
SE Jenne Road	Neighborhood Collector ²	2 lanes	30 mph	No	No	No
SE Foster Road	District Collector ²	2-3 lanes ³	45 mph	No	No	No
SE 172 nd Avenue	Standard Arterial ¹	2 lanes	45 mph	No	No	No
SE 182 nd Avenue	Standard Arterial ¹	5 lanes	35 mph	Yes	Yes	No
SE 190 th Drive	Standard Arterial ¹	2 lanes	40 mph	Partial	No	No
SE Giese Road	Minor Arterial ¹	2 lanes	40 mph	No	No	No

¹City of Gresham Transportation System Plan

²City of Portland Transportation System Plan

³SE Foster Road is 3 lanes to the west of SE Jenne Road and 2 lanes to the east of SE Jenne Road

Pedestrian Facilities

Sidewalks are present on the south side of Powell Boulevard west of SE 174th Avenue, on the north side east of SE 174th Avenue, and on both sides near SE 182nd Avenue. Sidewalks are present on the west side of SE 174th Avenue from Powell Boulevard to 350 feet south of SE Naegeli Drive. Sidewalks are provided on both sides of SE 182nd Avenue near Powell Boulevard. Sidewalks are present on the east side of SE 190th Drive from SW 31st Street to just south of SE Giese Road. Sidewalks are not provided along the remaining study roadways.

An enhanced pedestrian crossing is present at the Springwater Corridor Trail's intersection with SE Jenne Road, providing a marked crossing and Rectangular Rapid Flashing Beacons (RRFBs). At the Powell Boulevard/SE 174th Avenue and SE Jenne Road/SE Foster Road intersections, marked and signalized pedestrian crossings are provided for each leg. At SE 190th Drive/SE Giese Road, curb cuts are provided on the northeast and southeast corners of the intersection. No other pedestrian crossing treatments are present in the study area.

Bicycle Facilities

Bike lanes are provided along both sides of Powell Boulevard and SE 182nd Avenue. The Springwater Corridor Trail provides bicycle connectivity between its termini in Boring and the Sellwood neighborhood in southeast Portland. No other bicycle facilities are present in the study area.

Transit Facilities

TriMet Route 9 currently operates along Powell Boulevard, providing service between Gresham Central Transit Center and Portland City Center. Service is provided from 4 AM to 2 AM on weekdays and 4:30 AM to 2 AM on weekends. TriMet's "LIFT" service provides fully accessible dial-a-ride within ¼ miles of TriMet routes. Dial-a-ride services are available daily from 5 AM to 1:45 AM.

STUDY INTERSECTIONS

The following intersections were identified for operational analyses based on collaboration with the City of Gresham:

1. Powell Boulevard/SE 174th Avenue
2. Powell Boulevard/SE 182nd Avenue¹
3. Springwater Corridor Trail/SE 174th Avenue
4. SE Foster Road/SE Jenne Road
5. SE Foster Road/SE Giese Road Extension (future intersection)
6. SE 174th Extension/SE Giese Road Extension (future intersection)
7. SE Foster Road/SE 172nd Avenue
8. SE 190th Avenue/SE Giese Road

The intersections of Powell Boulevard/SE 174th Avenue, Powell Boulevard/SE 182nd Avenue and SE Foster Road/SE Jenne Road are located within the City of Portland. SE 190th Avenue/SE Giese Road is located within the City of Gresham. The remaining study intersections are located within unincorporated Multnomah County. Figure 2 illustrates the existing lane configurations and traffic control devices at each of these study intersections.

OPERATIONS ANALYSIS METHODOGY

A level of service (LOS) analysis was conducted on the study intersections to assess how well they are able to accommodate existing and future traffic demands. The analysis was primarily performed using Synchro 9 software in accordance with the procedures stated in the *2000 Highway Capacity Manual* (HCM, Reference 1). To evaluate worst-case conditions, the peak 15-minute flow rates of the weekday AM and PM peak hours were used in the evaluation of all intersection LOS. For this reason, the operations analyses reflect conditions that are likely to occur for the peak 15 minutes out of each weekday AM and PM peak hour. Traffic conditions during other weekday hours will likely operate under better conditions than those described in this report. *A description of level-of-service criteria is contained in Appendix A.*

¹The Powell Boulevard/SE 182nd Avenue intersection was identified during TAC Meeting #1 for operational analysis. A weekday PM peak hour traffic count was obtained from a prior traffic study; a weekday AM peak hour traffic count was not available. Therefore, only weekday PM peak hour traffic conditions were evaluated at the intersection. Based on existing operations at the Powell Boulevard/SE 174th Avenue intersection, the weekday PM peak hour is the critical peak hour. Given the proximity to the Powell Boulevard/SE 182nd Avenue intersection, the weekday PM peak hour is likely the critical time period at Powell Boulevard/SE 182nd Avenue as well.

Figure 2 – Existing Lane Configurations



JURISDICTIONAL OPERATING STANDARDS AND THRESHOLDS

The City of Portland identifies interim deficiency thresholds and operating standards per the Regional Mobility Policy. The volume-to-capacity (v/c) ratio threshold of 0.99 applies to Powell Boulevard/SE 174th Avenue, Powell Boulevard/SE 182nd Avenue and SE Jenne Road/SE Foster Road. All remaining intersections are either currently under the City of Gresham's jurisdiction or will be incorporated, and thus will be evaluated under the City of Gresham standards. The City of Gresham sets operating standards for both signalized and unsignalized intersections at level-of-service (LOS) LOS D and a v/c ratio of 0.90. Individual movement level of service must meet LOS E and a v/c ratio of less than 1.0.

EXISTING TRAFFIC OPERATIONS

Turning movement counts were obtained at the study intersections on a midweek day in October 2017. Counts were collected during the morning (7:00 AM to 9:00 AM) and evening (4:00 PM to 6:00 PM) peak periods. Schools were in session on the days the traffic counts were collected. Based on a review of seasonal trends from the surrounding area, the traffic counts collected represent average conditions². The traffic counts revealed a local system morning peak from 7:40 AM to 8:40 AM and evening peak from 4:20 PM to 5:20 PM.

Figures 3 and 4 show the existing traffic volumes and operations at each of the study intersections during weekday AM and PM peak hours, respectively. As shown in the figures, the SE Foster Road/SE 172nd Avenue intersection operates over capacity and at LOS F during both weekday AM and PM peak hours and the Powell Boulevard/SE 174th Avenue intersection operates over capacity during the weekday PM peak hour³. All other study intersections operate acceptably during both peak periods and meet the LOS and/or volume-to-capacity ratio standards enforced by the governing agency. *Appendix B includes the traffic count data, and Appendix C includes the existing traffic analysis worksheets.*

²Traffic patterns are reflective of the Commuter trend, with high volumes July-October and the peak mid-August. Traffic counts were collected early October and are therefore representative of typical conditions.

³ No future analysis was conducted for the weekday AM peak hour given the lack of available counts.

Figure 3 – Existing Traffic Conditions, Weekday AM Peak Hour

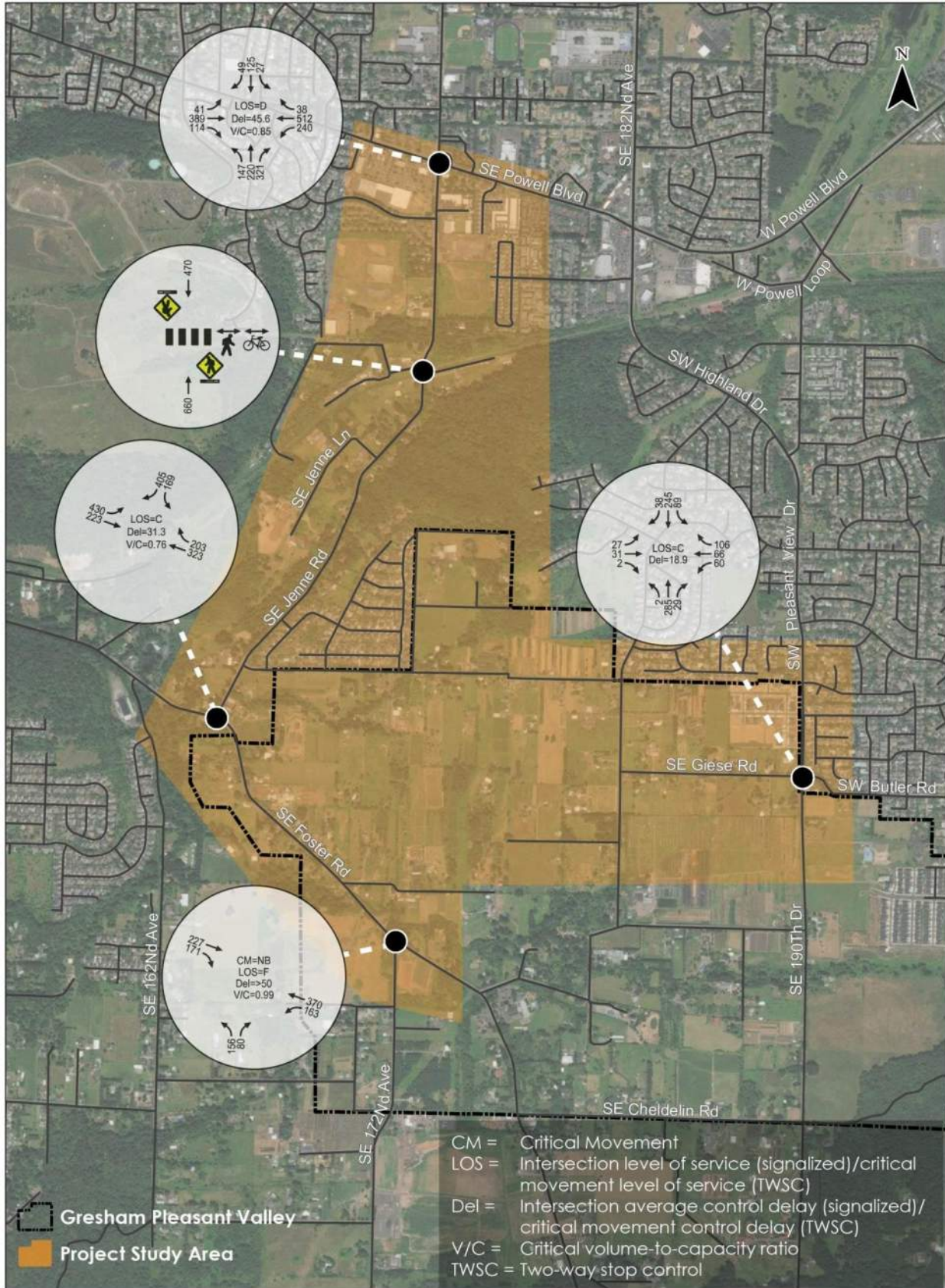
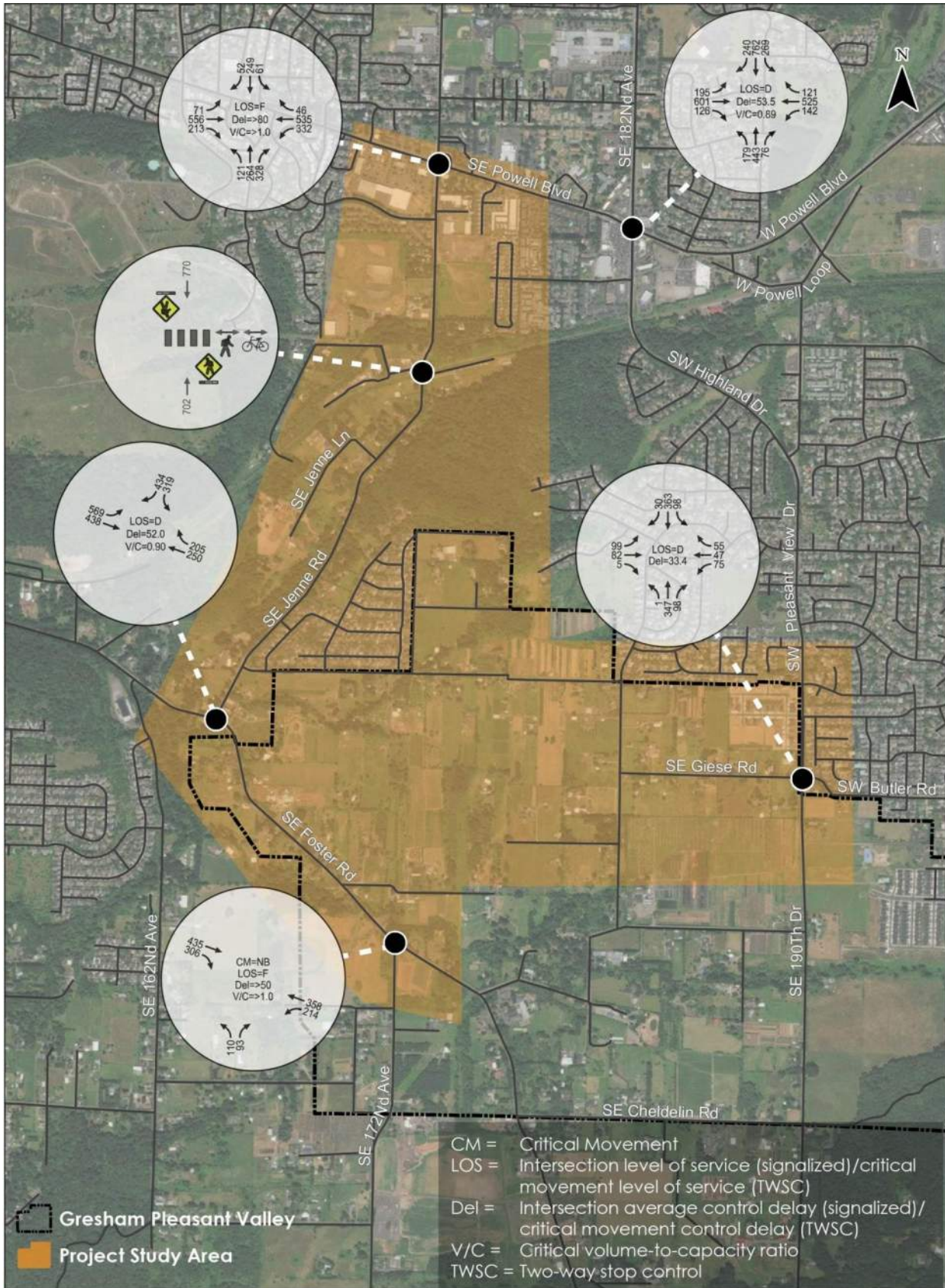


Figure 4 – Existing Traffic Conditions, Weekday PM Peak Hour



TRAFFIC SAFETY SUMMARY

Historical crash data for the study area was reviewed in an effort to identify potential existing safety issues. Crash data for the study intersections and segments was obtained from ODOT for the five-year period on record (January 1, 2011 through December 31, 2015). Figure 5 illustrates the reported crash data by crash type and severity. Table 2 identifies the reported crashes at each of the intersections and study segments during this five-year period. *Appendix D contains the historical traffic safety data provided by ODOT.*

Table 2. Intersection and Segment Crash History (January 1, 2011 through December 31, 2015)

Intersection/Segment	Crash Type							Crash Severity		
	Rear-End	Turning	Angle	Ped	Fixed Object	Side-swipe	Other	Property Damage Only	Injury	Fatal
Powell Blvd/SE 174 th Ave	40	6	2	1	1	1	-	25	26	-
Powell Blvd/SE 182 nd Ave	34	6	8	1	6	2	1	23	35	-
SE Foster Rd/SE Jenne Rd	4	2	-	-	2	-	-	3	5	-
SE Foster Rd/SE 172 nd Ave	13	16	-	-	-	-	1 ³	12	18	-
SE 190 th Dr/ SE Giese Rd	-	-	-	-	-	-	-	-	-	-
SE 174 th Ave from Powell Blvd to SE Circle Ave	3	3	-	-	2	1	2	7	4	-
SE Foster Rd between SE Jenne Rd and SE 172 nd Ave	3	-	-	-	2	-	-	1	4	-
SE Jenne Rd from SE Circle Ave to SE McKinley Rd ¹	21	1	-	-	12	5	6 ²	14	31	-
SE Jenne Rd from SE McKinley Rd to SE Foster Rd ¹	-	-	-	-	1	-	-	-	1	-
SE 190 th Dr from SE Giese Rd to SE Tillstrom Rd	-	5	1	-	-	-	-	3	3	-

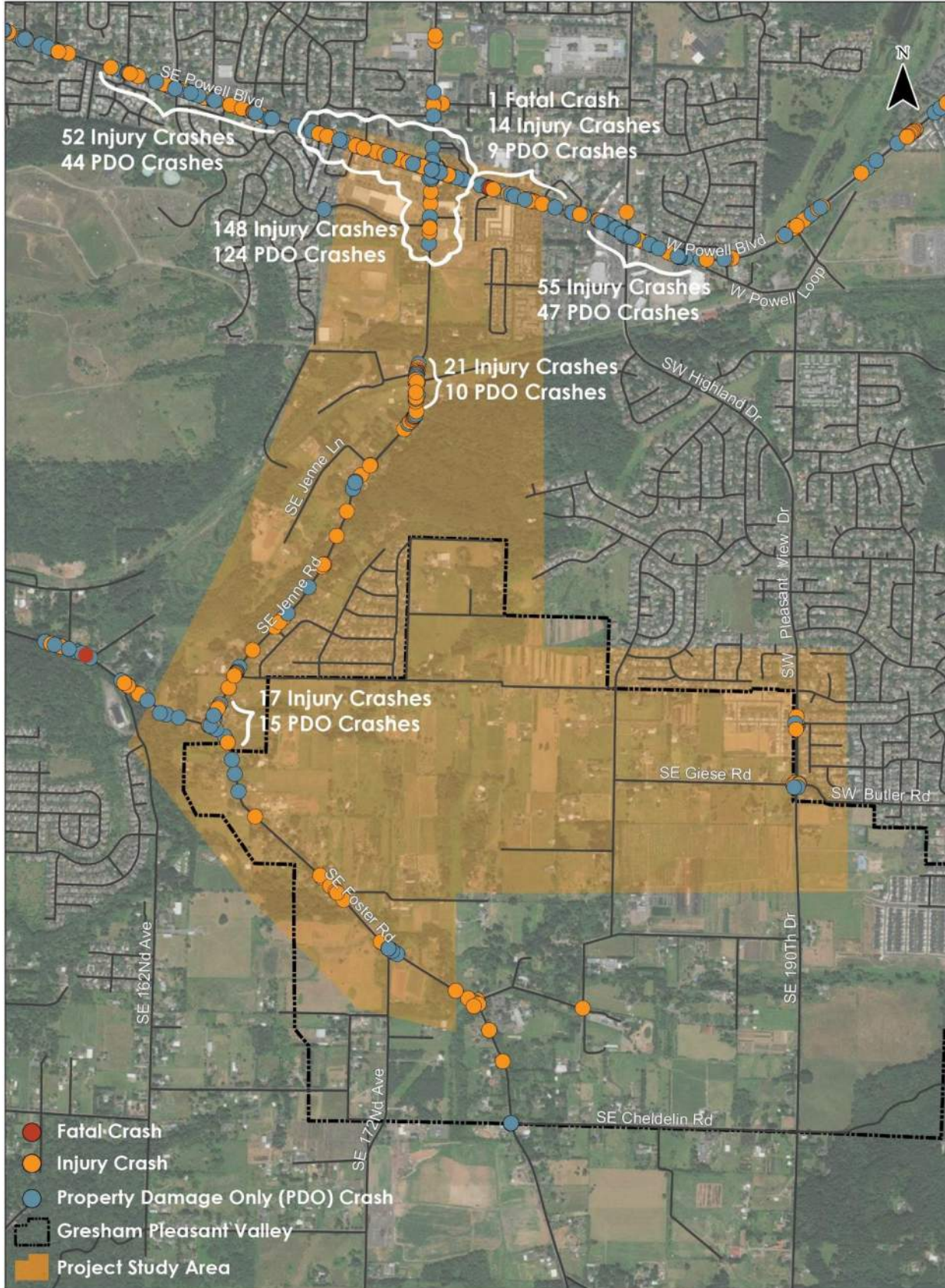
¹Crashes attributed to study intersections were removed from segment crash data

²Head-on (5), ran-off-the-road (1)

³Ran-off-the-road (1)

As shown in Table 2 and Figure 5, no fatalities were reported in the study area between 2011 and 2015.

Figure 5 – Reported Crash Data



Critical crash rates were calculated for each of the study intersections following the analysis methodology presented in ODOT's *SPR 667 Assessment of Statewide Intersection Safety Performance (Reference 2)*. SPR 667 provided average crash rates at a variety of intersection configurations in Oregon based on number of approaches and traffic control types. The average crash rate represents the approximate number of crashes that are "expected" at a study intersection.

Table 3 summarizes the critical crash rate for each intersection and compares those values to the observed crash rate. Per ODOT, if the observed crash rate at the study location exceeds the critical rate, it is a possible indication that the location is exceeding average crash rates.

Table 3. Critical Crash Rates

Intersection	Total Crashes	Observed Crash Rate at Intersection	Average Crash Rate by Traffic Control	Observed Crash Rate > Average Crash Rate?
Powell Blvd/ SE 174 th Ave	51	0.99	0.477	Yes
Powell Blvd/ SE 182 nd Ave	58	0.86	0.477	Yes
SE Jenne Rd/ SE Foster Rd	8	0.20	0.275	No
SE 172 nd Ave/ SE Foster Rd	30	1.08	0.131	Yes
SE 190 th Dr/ SE Giese Rd	0	0.00	0.198	No

As shown in Table 3, the observed crash rate at Powell Boulevard/SE 174th Avenue, Powell Boulevard/SE 182nd Avenue, and SE 172nd Avenue/SW Foster Road exceeds the statewide average crash rate. At Powell Boulevard/SE 174th Avenue, 78% of crashes were rear-end crashes. The rear-end crash pattern is common for signalized intersections in congested areas, where the effect of signal cycles create stop-and-go conditions. Similarly, 59% of crashes at the signalized intersection of Powell Boulevard/SE 182nd Avenue were rear-end crashes. At SE 172nd Avenue/SE Foster Road, 53% of crashes were turning angle crashes, which may be associated with the skewed intersection angle and longer exposure length for northbound left-turn movements. 44% of the turning angle crashes included northbound left-turn vehicles. Exhibit 1 shows the intersection during PM peak hour conditions, when gaps are limited for northbound left-turning vehicles

Exhibit 1. SE 172nd Avenue/SE Foster Road Intersection, Looking South



The Oregon Department of Transportation (ODOT) 2016 Safety Priority Index System (SPIS) list identifies existing hazardous intersections for potential safety improvements. Intersections are included in the SPIS list if they have three or more crashes or if they have one or more severe injury or fatal crashes within three consecutive years. Powell Boulevard/SE 174th Avenue is listed in the top ten percent of ODOT’s SPIS ranking program, with a SPIS score of 90.94 based on the observed crash count.

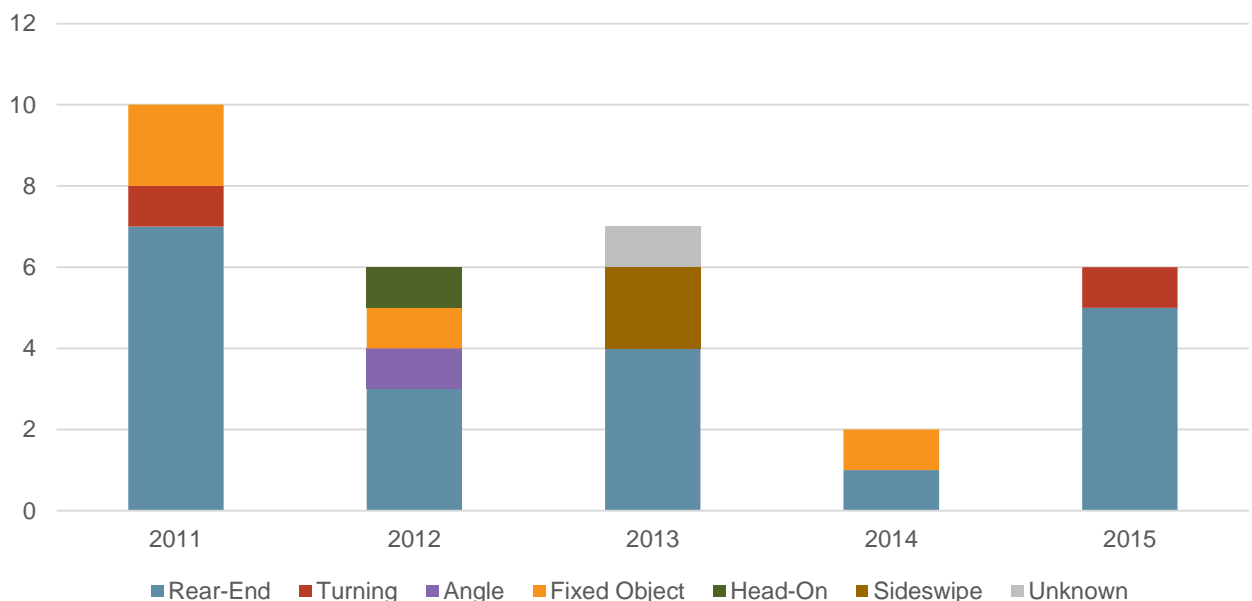
SE Jenne Road from SE Circle Avenue to SE McKinley Road shows 47% rear-end crashes, 29% fixed-object or ran-off-the-road crashes, and 22% sideswipe or head-on crashes. These crashes could be associated with the lack of turn lanes, clear shoulder area, and separation from opposing traffic, respectively.

At the Springwater Corridor Trail crossing at SE 174th Avenue, thirty-one crashes were recorded within 400 feet of the crossing. A rectangular rapid flashing beacon (RRFB) was installed at the crossing in early 2014, as shown in Exhibit 2. The crash data by year and type is graphed in Exhibit 3.

Exhibit 2. RRFB at Springwater Corridor Trail Crossing



Exhibit 3. Crash Data within 400 feet of Springwater Corridor Trail Crossing (Jan 1, 2011 – Dec 31, 2015)



As shown in Exhibit 2, the predominant crash type at the crossing is rear-end crashes. No pedestrians were involved in any of the reported crashes. A bicyclist was involved in the angle crash reported in 2012, which did result in an injury. While a reduction of crashes was observed in 2014 immediately after the installation of the RRFB, there is insufficient data to assess the impact of the RRFB on crash frequency, severity, or type. Crashes are rare and random events, so multiple years of data are needed to identify trends.

FUTURE CONDITIONS

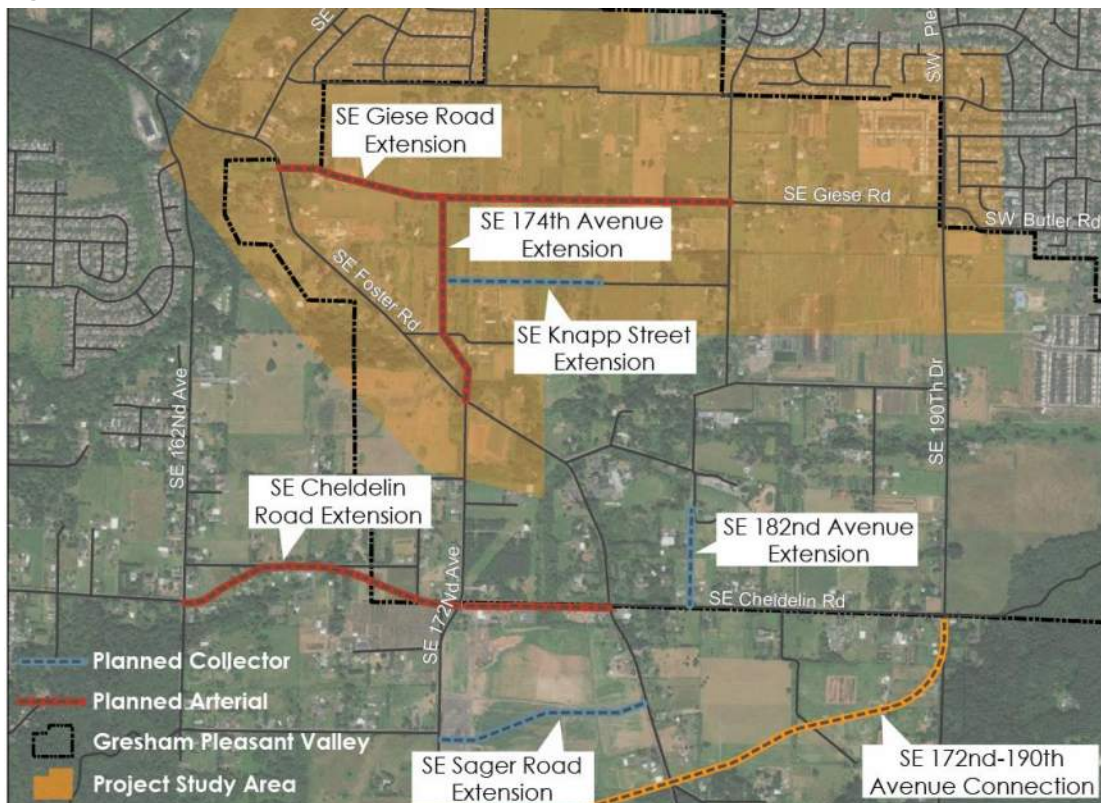
Future planning documents for the study area were reviewed to determine the future planned network for the area, including pedestrian, bicycle and transit routes and connections. A full summary of the document review is included in *Appendix E*, and includes the following documents:

- ▶ Pleasant Valley Concept Plan – August 2002
- ▶ Pleasant Valley TSP – January 2005
- ▶ Happy Valley TSP – November 2016
- ▶ Gresham TSP – December 2013
- ▶ Clackamas County TSP – December 2013
- ▶ Multnomah County TSP – August 2016
- ▶ Metro Powell/Foster Corridor Refinement Plan – September 2003
- ▶ Metro Regional Transportation Plan – July 2014
- ▶ East Metro Connections Plan – June 2012

PLANNED IMPROVEMENTS

Based on a review of plans for the area, Figure 6 shows the planned network changes impacting travel patterns in the study area.

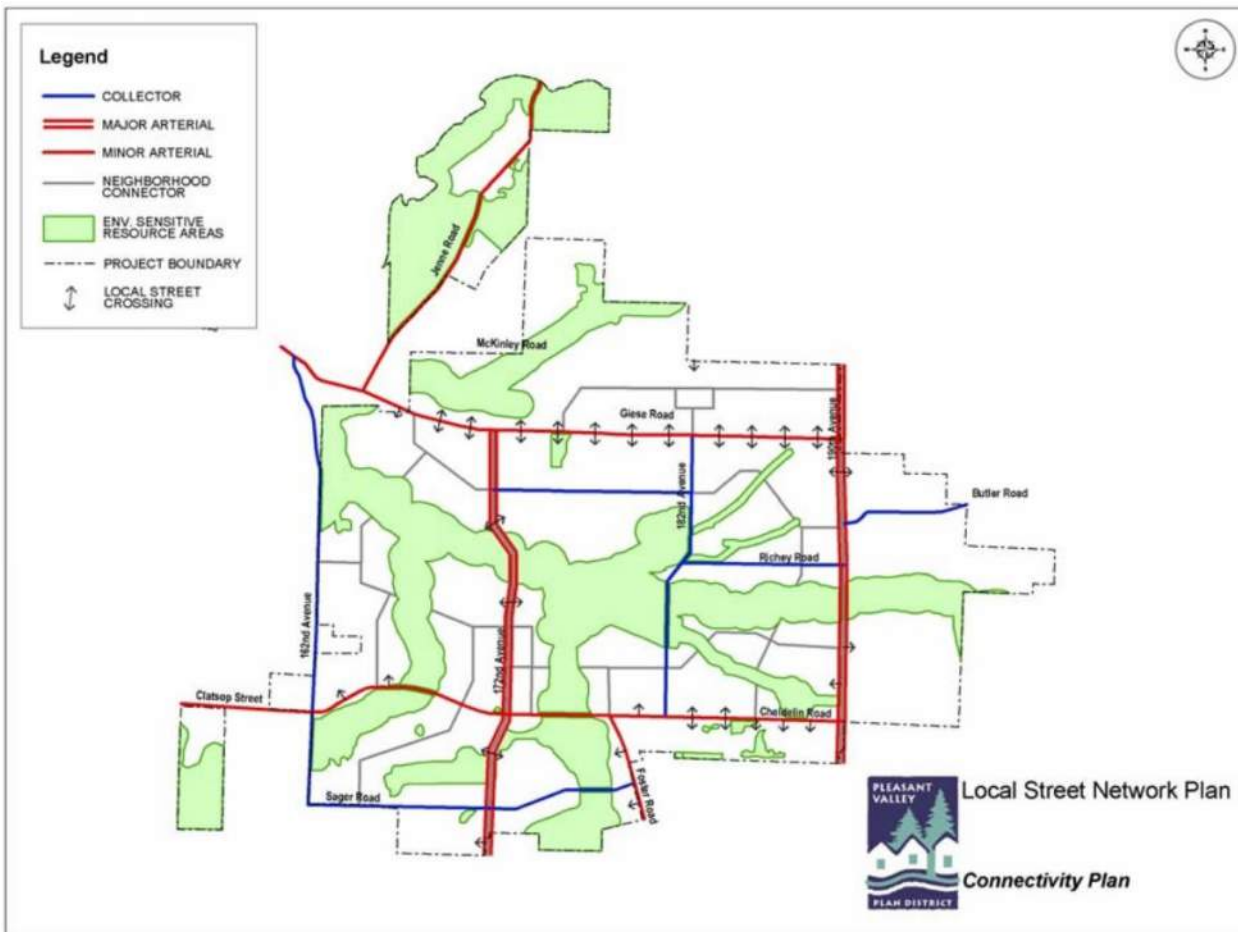
Figure 6 – Future Planned Network



Network changes from the City of Portland TSP include the expansion of Powell Boulevard from SE 162nd Avenue to SE 174th Avenue to a four-lane cross-section. Network changes from the Pleasant Valley TSP include the extension of SE Giese Road, SE Knapp Street, SE Cheldelin Road, SE Sager Road, SE 174th Avenue, and SE 182nd Avenue. A new corridor from SE 172nd Avenue to SE 190th Drive is included in the Clackamas County and Happy Valley TSPs. Although some plans have shown SE 174th Avenue extending north of SE Giese Road, the Pleasant Valley TSP Connectivity Plan does not include it and it was not included in the Future Planned Conditions Analysis to determine its need and benefits.

The assumed functional classification of roadways in the study area is provided in the Pleasant Valley Connectivity Plan for the Concept Plan, also included in the TSP and shown in Figure 7.

Figure 7 – Connectivity Plan (Pleasant Valley TSP)



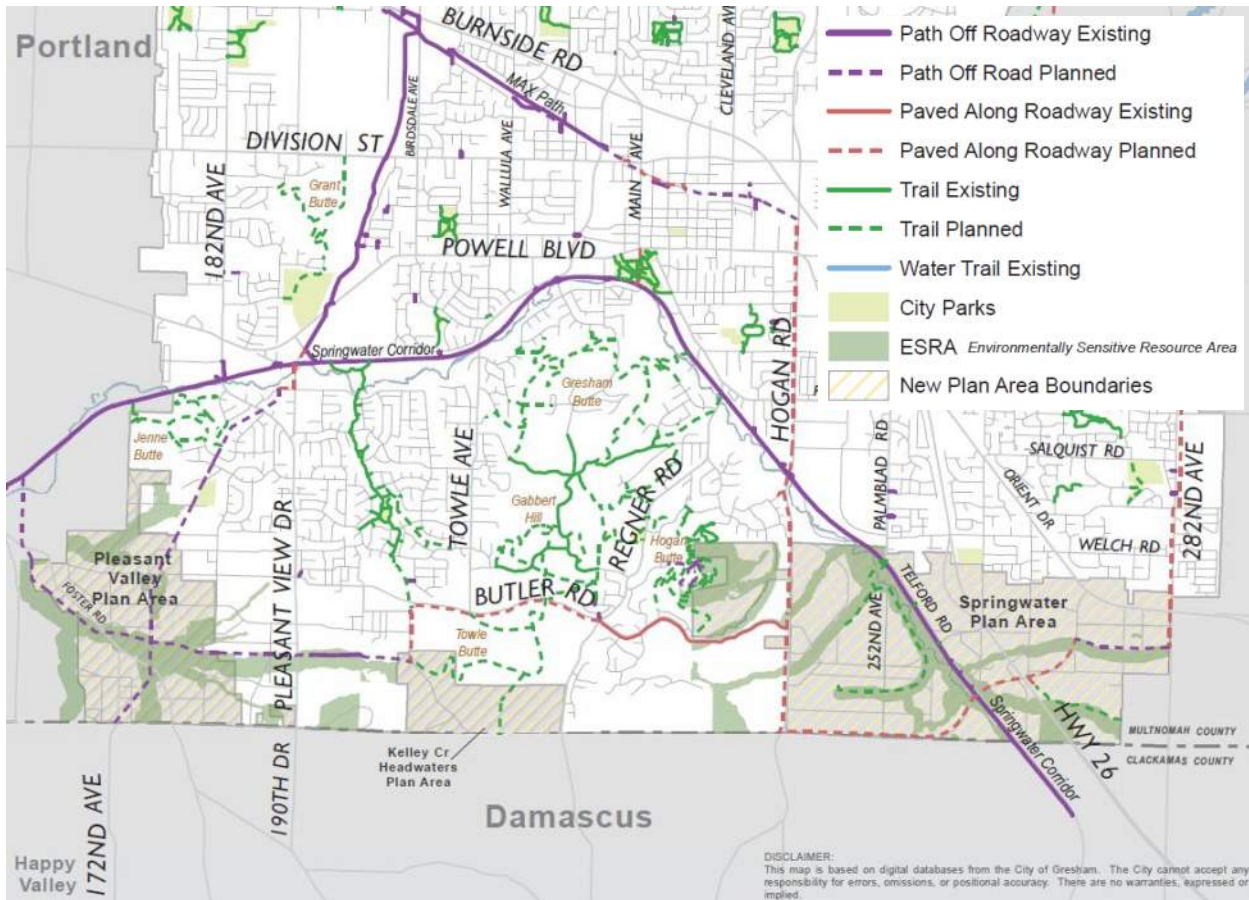
Pedestrian Facilities

The Pleasant Valley TSP provides preferred street design elements that include sidewalks on all roadways. Wider sidewalks are recommended on roadways within the town center.

Bicycle Facilities

The Pleasant Valley TSP provides preferred street design elements that include 5- to 6-foot bike lanes on all roadways. The Pleasant Valley Parks Master Plan, adopted in 2015, includes a Paths and Trails Master Map, shown in Figure 8. This map builds from the work done as part of the Pleasant Valley TSP, with minor modifications based on further analysis.

Figure 8 – Path and Trails Master Map (Pleasant Valley Parks Master Plan)



Transit Facilities

The Pleasant Valley Concept Plan outlines several potential corridors for transit service, including:

- ▶ 172nd Avenue
- ▶ Giese Road
- ▶ 182nd Avenue
- ▶ 190th Avenue
- ▶ New east/west collector south of Giese Road
- ▶ Clatsop Street/Cheldelin Road

In addition, the Pleasant Valley TSP includes an action measure focused on transit, detailed below:

- 8. Expand the TriMet service boundary to include areas within Clackamas County to allow TriMet to serve this area. Work with TriMet to develop a transit plan for Pleasant Valley that:
 - a. Establishes a transit hub within the town center zoning district that provides transfer opportunities between regional and community transit routes
 - b. Implements recommended community and regional transit service.
 - c. Determines appropriate locations and design of bus loading areas and transit preferential treatments such as reserved bus lanes and signal pre-emption to enhance transit usage and public safety and to promote the smooth flow of traffic.
 - d. That, with other transit service providers, and employers and social service agencies' efforts enhances access for elderly, economically disadvantaged, and people with disabilities.
- Source: Pleasant Valley TSP

The Pleasant Valley TSP illustrates recommended regional transit service for the short- and long-term, noted in Table 4.

Table 4. Recommend Regional Transit Service (Pleasant Valley TSP)

Transit Route	To/From	Short-term Implementation (0-10 years)	Long-term Implementation (10-20 years)
Powell Boulevard/Foster Road	Downtown Portland to Pleasant Valley	Regional bus (15 minute peak/15 minute off-peak)	Extend Rapid Bus to Damascus
Foster Road		No Service	Rapid bus (10 minute peak/15 minute off-peak)
Sunnyside Road	Clackamas regional center to Damascus	Regional Bus (15 minute peak/30 minute off-peak)	Frequent bus (7 minute peak/15 minute off-peak)
172 nd Avenue/190 th Avenue	Damascus to Gresham	Regional Bus (15 minute peak/15 minute off-peak)	Frequent bus (10 minute peak/15 minute off-peak)
Town center/190 th Avenue/181 st Avenue/Airport Way	Pleasant Valley town center to Columbia Corridor	Regional Bus (15 minute peak/30 minute off-peak)	Regional Bus (15 minute peak/15 minute off-peak)
82 nd Avenue/Sunnyside Road/97 th /Stevens/Mather Road/122 nd /145 th /Clatsop/172 nd /Foster Road	Clackamas regional center to Happy Valley to Pleasant Valley to Lents	Regional Bus (15 minute peak/30 minute off-peak)	Regional Bus (10 minute peak/15 minute off-peak)
Foster Road/ Butler Road/Towle Road	Damascus to Gresham	No Service	Community bus (15 minute peak/30 minute off-peak)
Pleasant Valley loop	Within study area	Community bus (15 minute peak/30 minute off-peak)	Community bus (15 minute peak/30 minute off-peak)

TRAVEL DEMAND MODEL ANALYSIS

The most-recent Metro 2035 Regional Transportation Plan model⁴ was modified based on the future network illustrated in Figures 6 and 7 to reflect future planned traffic conditions. *Appendix F includes the travel demand model network characteristics, volume capacities, and lane results.*

Model volumes shown reflect the peak two-hour weekday AM and PM periods. These volumes were converted to hourly volumes based on a 0.55 factor identified by Metro. The volumes were refined using recommended procedures for producing travel forecasts from *NCHRP 765: Analytical Travel Forecasting Approaches for Project-Level Planning and Design* (Reference 3), the update to *NCHRP 255: Highway Traffic Data for Urbanized Area Project Planning and Design*.

It should be noted that model volumes on the segment of SE Foster Road between the SE Giese Road extension and SE 172nd Avenue were higher than anticipated for a local street. With the SE Giese Road and SE 172nd Avenue extensions, traffic is anticipated to divert from SE Foster Road toward SE Giese Road and SE 172nd Avenue.

FUTURE PLANNED TRAFFIC OPERATIONS

The Pleasant Valley TSP identifies signalization of SE Foster Road/SE Giese Road, SE Giese Road/SE 172nd Avenue, SE Giese Road/SE 190th Avenue, and SE Foster Road/SE 172nd Avenue. Signal warrants were evaluated at these intersections based on the *Manual on Uniform Traffic Control Devices, 2009* (Reference 4). All intersections are forecast to meet peak hour warrants based on the eight-hour, four-hour, and peak-hour vehicular volume warrants (Warrants 1, 2 and 3). Future traffic control devices and lane configuration assumptions are shown in Figure 9. *Signal warrant analysis worksheets are provided in Appendix G.*

Figures 10 and 11 show the projected future traffic volumes and operations at each of the study intersections under the planned future conditions during weekday AM and PM peak hours, respectively. As shown in the figures, Powell Boulevard/SE 182nd Avenue is forecast to operate over capacity during the weekday PM peak hour⁵ and Powell Boulevard/SE 174th Avenue is forecast to operate over capacity during both weekday AM and PM peak hours. All other study intersections operate acceptably during both peak periods and meet the LOS and/or volume-to-capacity ratio standards enforced by the governing agency. *Appendix H includes the future conditions traffic analysis worksheets.*

⁴2035 Regional Transportation Plan Model, Scenario 4178

⁵No future analysis was conducted for the weekday AM peak hour given the lack of available counts.

Figure 9 – Future Lane Configurations and Traffic Control Devices



Figure 10 – Future Planned Traffic Conditions, Weekday AM Peak Hour

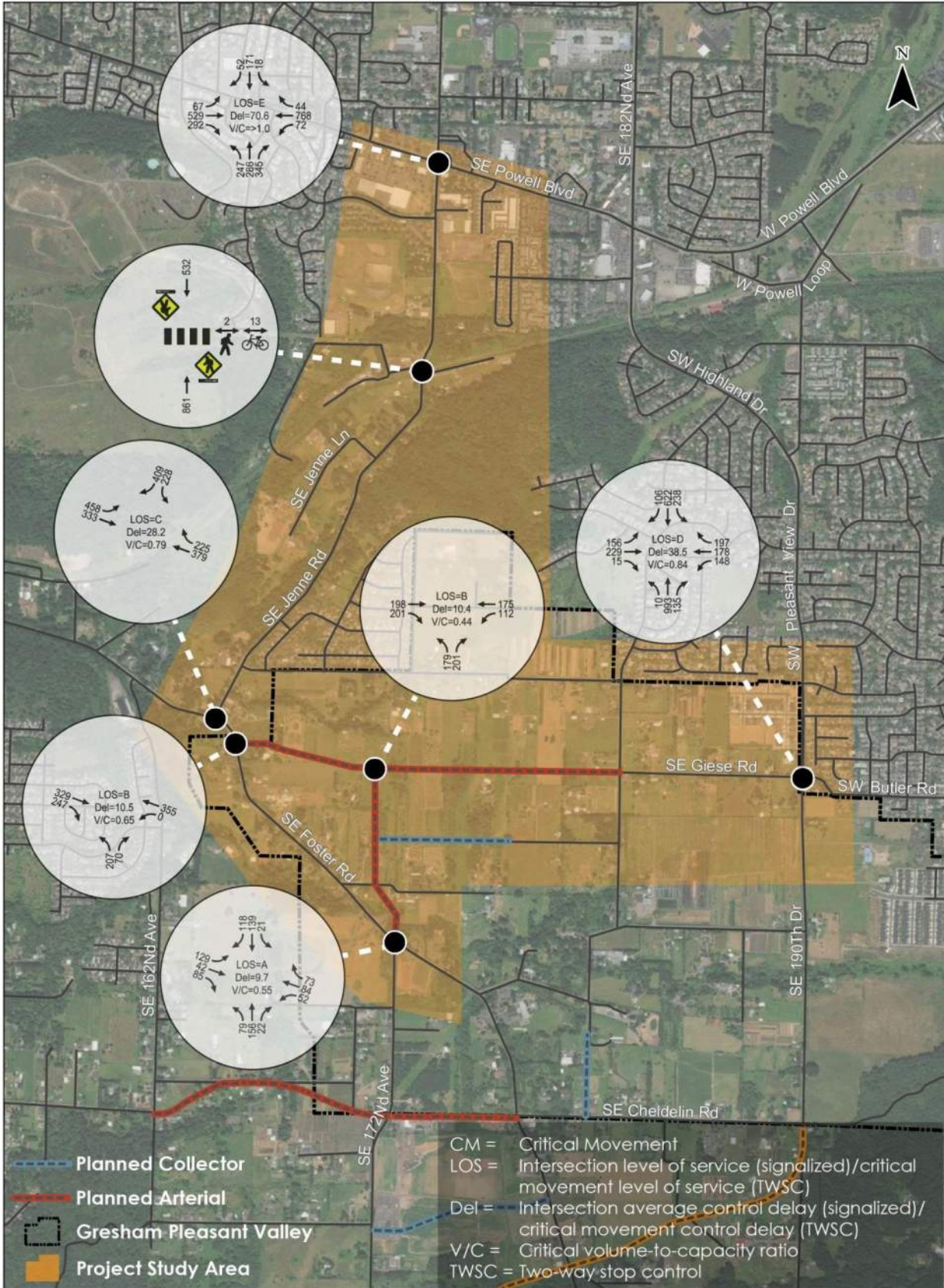
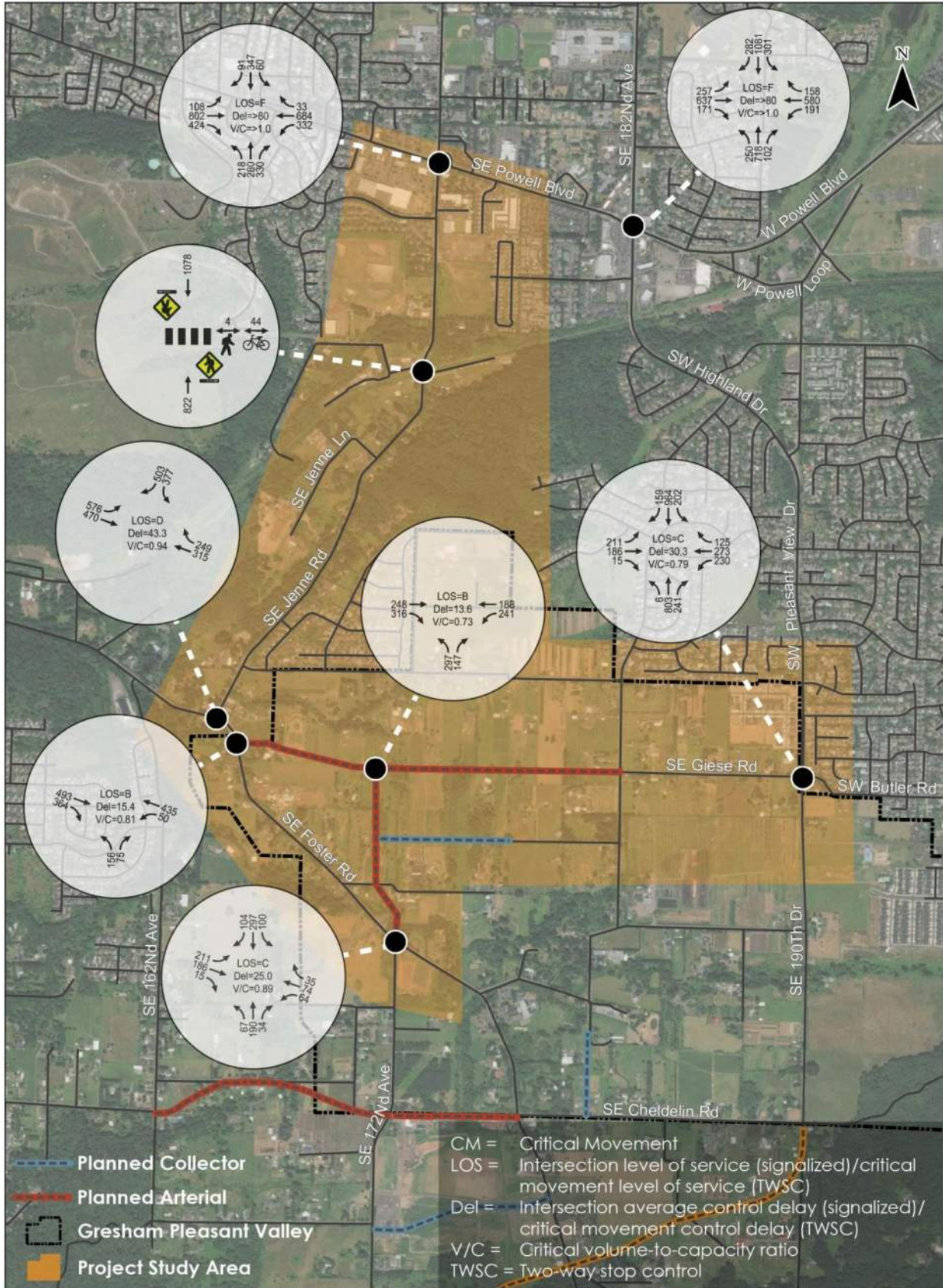


Figure 11 – Future Planned Traffic Conditions, Weekday PM Peak Hour



NEXT STEPS

The existing safety and operations performance, planned improvements, and future planned operations will be reviewed with the Technical Advisory Committee (TAC) and Community Advisory Committee (CAC) in the first meeting of each group. This analysis establishes the baseline for comparing alternatives and determining the need for capacity enhancements.

REFERENCES

1. Transportation Research Board. *2000 Highway Capacity Manual*. 2000.
2. Oregon Department of Transportation Research Section. *SPR 667 Assessment of Statewide Intersection Safety Performance*. June 2011.
3. Transportation Research Board. *NCHRP Report 765: Analytical Travel Forecasting Approaches for Project-Level Planning and Design*. 2014.
4. Federal Highway Administration. *Manual on Uniform Traffic Control Devices*. May 2012.

Appendix A LOS Criteria Definitions

APPENDIX A LEVEL-OF-SERVICE CONCEPT

Level of service (LOS) is a concept developed to quantify the degree of comfort (including such elements as travel time, number of stops, total amount of stopped delay, and impediments caused by other vehicles) afforded to drivers as they travel through an intersection or roadway segment. Six grades are used to denote the various level of service from “A” to “F”.

SIGNALIZED INTERSECTIONS

The six level-of-service grades are described qualitatively for signalized intersections in Table A1. Additionally, Table A2 identifies the relationship between level of service and average control delay per vehicle. Control delay is defined to include initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. Using this definition, Level of Service “D” is generally considered to represent the minimum acceptable design standard.

Table A-1 Level-of-Service Definitions (Signalized Intersections)

Level of Service	Average Delay per Vehicle
A	Very low average control delay, less than 10 seconds per vehicle. This occurs when progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
B	Average control delay is greater than 10 seconds per vehicle and less than or equal to 20 seconds per vehicle. This generally occurs with good progression and/or short cycle lengths. More vehicles stop than for a level of service A, causing higher levels of average delay.
C	Average control delay is greater than 20 seconds per vehicle and less than or equal to 35 seconds per vehicle. These higher delays may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
D	Average control delay is greater than 35 seconds per vehicle and less than or equal to 55 seconds per vehicle. The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle length, or high volume/capacity ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
E	Average control delay is greater than 55 seconds per vehicle and less than or equal to 80 seconds per vehicle. This is usually considered to be the limit of acceptable delay. These high delay values generally (but not always) indicate poor progression, long cycle lengths, and high volume/capacity ratios. Individual cycle failures are frequent occurrences.
F	Average control delay is in excess of 80 seconds per vehicle. This is considered to be unacceptable to most drivers. This condition often occurs with oversaturation. It may also occur at high volume/capacity ratios below 1.0 with many individual cycle failures. Poor progression and long cycle lengths may also contribute to such high delay values.

¹Most of the material in this appendix is adapted from the 2010 Highway Capacity Manual, published by the Transportation Research Board in 2010.

Table A2 Level-of-Service Criteria for Signalized Intersections

Level of Service	Average Control Delay per Vehicle (seconds)
A	<10.0
B	>10 and ≤20
C	>20 and ≤35
D	>35 and ≤55
E	>55 and ≤80
F	>80

UNSIGNALIZED INTERSECTIONS

The automobile LOS criteria for unsignalized intersections are different than the criteria used for signalized intersections, reflecting driver expectations that vary with different levels of performance from different types of transportation facilities. Driver expectation is that a signalized intersection is designed to carry higher traffic volumes than an unsignalized intersection. Additionally, there are a number of driver behavior considerations that combine to make delays at signalized intersections more tolerable than at unsignalized intersections. For example, drivers at signalized intersections are able to relax during the red interval, while drivers on the minor street approaches to TWSC intersections must remain attentive to the task of identifying acceptable gaps and vehicle conflicts. Also, there is often much more variability in the amount of delay experienced by individual drivers at unsignalized intersections compared to signalized intersections. For these reasons, the control delay threshold for any given level of service is lower for an unsignalized intersection than for a signalized intersection. Individual types of unsignalized intersections are defined in the 2010 HCM as described below.

TWO-WAY STOP CONTROLLED INTERSECTIONS

The 2010 HCM provides models for estimating control delay at two-way stop controlled (TWSC) intersections and defines LOS by control delay. Motor vehicle LOS is determined for each minor-street movement as well as for major street left-turns using the criteria shown in Table A3.

Table A3 Level-of-Service Criteria for Two-way Stop Controlled Intersections

Control Delay (Seconds per Vehicle)	LOS by Volume-to-Capacity Ratio*	
	v/c < 1.0	v/c > 1.0
<10.0	A	F
>10.0 and ≤ 15.0	B	F
>15.0 and ≤ 25.0	C	F
>25.0 and ≤ 35.0	D	F
>35.0 and ≤ 50.0	E	F
>50.0	F	F

Note: *For approaches and intersectionwide assessment, LOS is defined solely by control delay

As noted in Table A3, the 2010 HCM assigns LOS F to any movement whose v/c ratio exceeds 1.0 regardless of the control delay.

The 2010 HCM does not define LOS for intersections as a whole or for the major street approaches because:

- ▶ Major-street through movements are assumed to experience no delay;
- ▶ The large number of major street through movements at typical TWSC intersections skews averaging of overall delay for all vehicles; and
- ▶ Overall intersection delay measures have the potential to mask minor movement deficiencies.

In the performance evaluation of TWSC intersections, it is important to consider other measures of effectiveness (MOEs) in addition to delay, such as v/c ratios for individual movements, average queue lengths, and 95th percentile queue lengths. By focusing on a single MOE for the worst movement only, such as delay for the minor-street left turn, users may make inappropriate traffic control decisions. The potential for making such inappropriate decisions is likely to be particularly pronounced when the HCM level-of-service thresholds are adopted as legal standards, as is the case in many public agencies.

ALL-WAY STOP CONTROLLED INTERSECTIONS

The LOS for all-way stop controlled intersections is computed for each approach and, unlike TWSC intersections, for the intersection. Table A4 summarizes the AWSC LOS criteria defined in the 2010 HCM.

Table A4 Level-of-Service Criteria for All-Way Stop Controlled Intersections

Control Delay (Seconds per Vehicle)	LOS by Volume-to-Capacity Ratio*	
	v/c < 1.0	v/c > 1.0
<10.0	A	F
>10.0 and ≤ 15.0	B	F
>15.0 and ≤ 25.0	C	F
>25.0 and ≤ 35.0	D	F
>35.0 and ≤ 50.0	E	F
>50.0	F	F

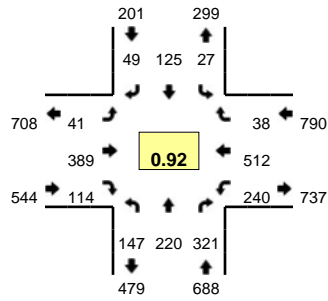
Note: *For approaches and intersectionwide assessment, LOS is defined solely by control delay

As Table A4 notes, LOS F is assigned if the volume-to-capacity ratio (v/c) ratio of a lane exceeds 1.0, regardless of the control delay. For assessment of LOS at the approach and intersection levels, LOS is based solely on control delay.

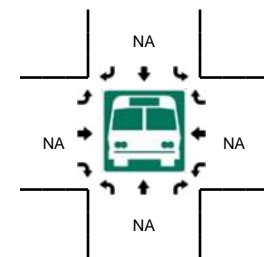
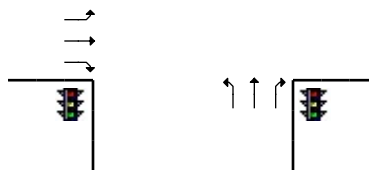
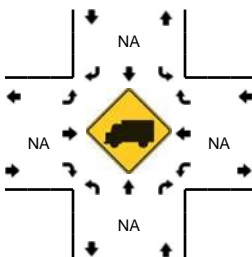
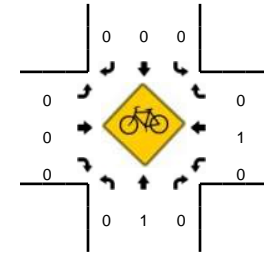
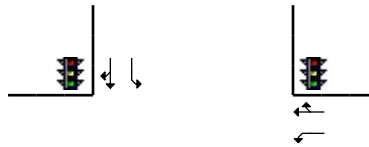
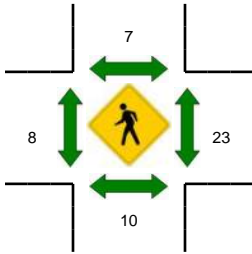
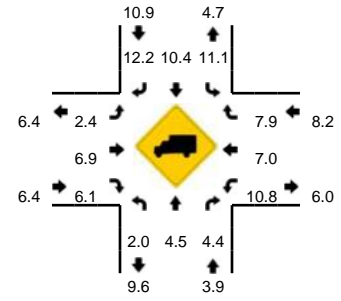
Appendix B Traffic Counts

LOCATION: SE 174th Ave -- SE Powell Blvd
CITY/STATE: Portland, OR

QC JOB #: 14500801
DATE: Wed, Oct 04 2017



Peak-Hour: 7:40 AM -- 8:40 AM
Peak 15-Min: 8:25 AM -- 8:40 AM

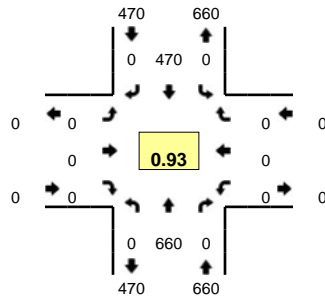


5-Min Count Period Beginning At	SE 174th Ave (Northbound)				SE 174th Ave (Southbound)				SE Powell Blvd (Eastbound)				SE Powell Blvd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	5	14	20	0	1	14	2	0	3	20	9	0	12	28	3	0	131	
7:05 AM	16	24	13	0	2	17	1	0	3	26	7	0	19	46	5	0	179	
7:10 AM	12	20	19	0	2	14	1	0	3	18	11	0	20	40	4	0	164	
7:15 AM	6	25	24	0	2	16	3	0	3	29	6	0	21	38	2	0	175	
7:20 AM	11	25	24	0	0	14	1	0	3	34	4	0	22	46	2	0	186	
7:25 AM	15	25	26	0	0	17	1	0	4	35	9	0	13	50	2	0	197	
7:30 AM	15	23	30	0	2	12	3	0	2	32	6	0	6	55	2	0	188	
7:35 AM	12	14	18	0	4	10	2	0	1	36	9	0	24	46	2	0	178	
7:40 AM	9	24	32	0	1	12	8	0	1	22	8	0	25	45	2	0	189	
7:45 AM	22	22	34	0	4	14	4	0	3	25	9	0	16	30	1	0	184	
7:50 AM	15	14	17	0	1	14	1	0	1	41	13	0	6	39	4	0	166	
7:55 AM	13	18	24	0	1	3	2	0	4	38	12	0	28	46	3	0	192	2129
8:00 AM	13	22	18	0	3	5	4	0	3	18	7	0	22	42	5	0	162	2160
8:05 AM	11	17	24	0	3	15	6	0	4	25	6	0	17	43	1	0	172	2153
8:10 AM	11	11	26	0	0	2	6	0	8	32	10	0	30	59	1	0	196	2185
8:15 AM	13	20	23	0	1	20	3	0	2	29	5	0	22	35	0	0	173	2183
8:20 AM	9	10	28	0	1	8	1	0	1	43	14	0	21	50	2	0	188	2185
8:25 AM	12	29	34	0	7	11	4	0	5	39	6	0	13	29	6	0	195	2183
8:30 AM	10	12	31	0	1	8	4	0	4	47	15	0	20	52	5	0	209	2204
8:35 AM	9	21	30	0	4	13	6	0	5	30	9	0	20	42	8	0	197	2223
8:40 AM	9	14	21	0	3	12	4	0	7	34	9	0	20	45	3	0	181	2215
8:45 AM	13	22	15	0	3	12	3	0	9	30	9	0	15	50	5	0	186	2217
8:50 AM	12	20	20	0	1	12	2	0	4	27	10	0	19	54	5	0	186	2237
8:55 AM	14	25	23	0	5	10	7	0	7	29	6	0	19	35	5	0	185	2230
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	124	248	380	0	48	128	56	0	56	464	120	0	212	492	76	0	2404	
Heavy Trucks	4	12	8		0	20	0		4	44	12		24	48	8		184	
Pedestrians		4				8				12				36			60	
Bicycles	0	1	0		0	0	0		0	0	0		0	0	0		1	
Railroad																		
Stopped Buses																		

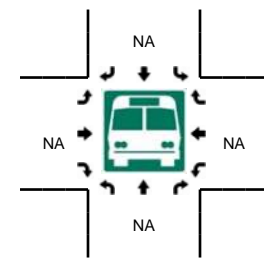
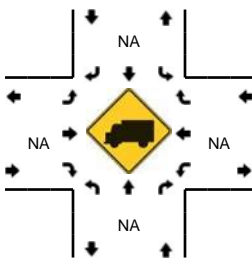
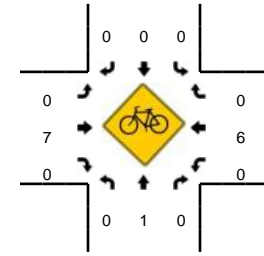
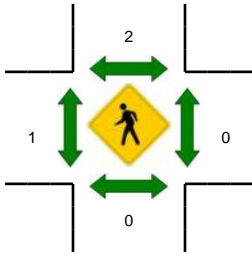
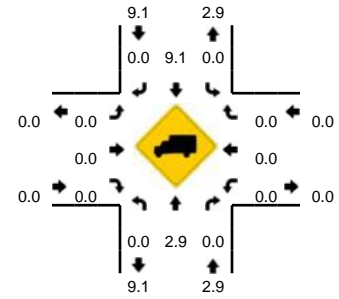
Comments:

LOCATION: SE 174th Ave -- Springwater Corridor Trail
CITY/STATE: Portland, OR

QC JOB #: 14500803
DATE: Wed, Oct 04 2017



Peak-Hour: 7:40 AM -- 8:40 AM
Peak 15-Min: 7:40 AM -- 7:55 AM

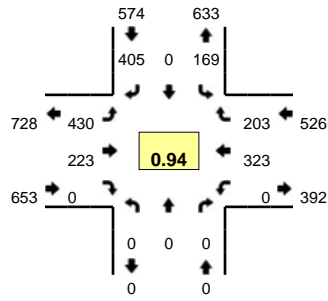


5-Min Count Period Beginning At	SE 174th Ave (Northbound)				SE 174th Ave (Southbound)				Springwater Corridor Trail (Eastbound)				Springwater Corridor Trail (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	0	54	0	0	0	34	0	0	0	0	0	0	0	0	0	0	88	
7:05 AM	0	45	0	0	0	41	0	0	0	0	0	0	0	0	0	0	86	
7:10 AM	0	65	0	0	0	56	0	0	0	0	0	0	0	0	0	0	121	
7:15 AM	0	47	0	0	0	45	0	0	0	0	0	0	0	0	0	0	92	
7:20 AM	0	63	0	0	0	35	0	0	0	0	0	0	0	0	0	0	98	
7:25 AM	0	67	0	0	0	37	0	0	0	0	0	0	0	0	0	0	104	
7:30 AM	0	55	0	0	0	33	0	0	0	0	0	0	0	0	0	0	88	
7:35 AM	0	46	0	0	0	49	0	0	0	0	0	0	0	0	0	0	95	
7:40 AM	0	67	0	0	0	35	0	0	0	0	0	0	0	0	0	0	102	
7:45 AM	0	68	0	0	0	40	0	0	0	0	0	0	0	0	0	0	108	
7:50 AM	0	56	0	0	0	39	0	0	0	0	0	0	0	0	0	0	95	
7:55 AM	0	55	0	0	0	39	0	0	0	0	0	0	0	0	0	0	94	1171
8:00 AM	0	51	0	0	0	34	0	0	0	0	0	0	0	0	0	0	85	1168
8:05 AM	0	49	0	0	0	42	0	0	0	0	0	0	0	0	0	0	91	1173
8:10 AM	0	48	0	0	0	36	0	0	0	0	0	0	0	0	0	0	84	1136
8:15 AM	0	47	0	0	0	55	0	0	0	0	0	0	0	0	0	0	102	1146
8:20 AM	0	60	0	0	0	49	0	0	0	0	0	0	0	0	0	0	109	1157
8:25 AM	0	58	0	0	0	25	0	0	0	0	0	0	0	0	0	0	83	1136
8:30 AM	0	52	0	0	0	37	0	0	0	0	0	0	0	0	0	0	89	1137
8:35 AM	0	49	0	0	0	39	0	0	0	0	0	0	0	0	0	0	88	1130
8:40 AM	0	54	0	0	0	42	0	0	0	0	0	0	0	0	0	0	96	1124
8:45 AM	0	44	0	0	0	38	0	0	0	0	0	0	0	0	0	0	82	1098
8:50 AM	0	63	0	0	0	37	0	0	0	0	0	0	0	0	0	0	100	1103
8:55 AM	0	49	0	0	0	32	0	0	0	0	0	0	0	0	0	0	81	1090
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
All Vehicles	0	764	0	0	0	456	0	0	0	0	0	0	0	0	0	0	1220	
Heavy Trucks	0	28	0	0	0	36	0	0	0	0	0	0	0	0	0	0	64	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	3	
Railroad																		
Stopped Buses																		

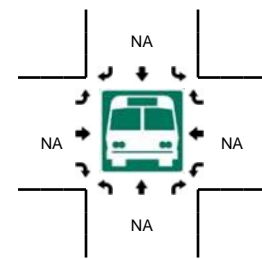
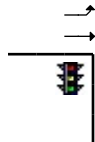
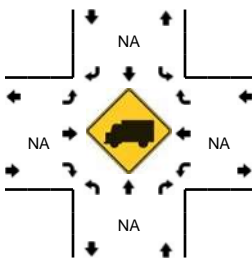
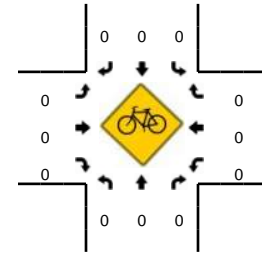
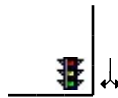
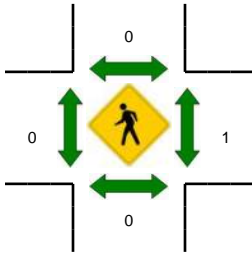
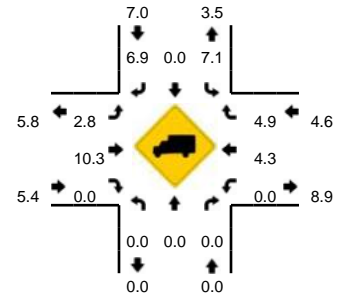
Comments:

LOCATION: SE Jenne Rd -- SE Foster Rd
CITY/STATE: Portland, OR

QC JOB #: 14500805
DATE: Wed, Oct 04 2017



Peak-Hour: 7:40 AM -- 8:40 AM
Peak 15-Min: 8:15 AM -- 8:30 AM

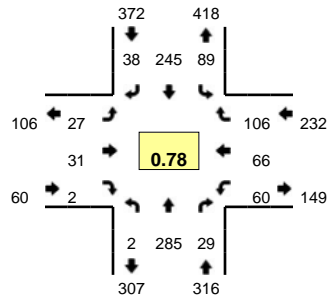


5-Min Count Period Beginning At	SE Jenne Rd (Northbound)				SE Jenne Rd (Southbound)				SE Foster Rd (Eastbound)				SE Foster Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	0	0	0	0	8	0	36	0	30	22	0	0	0	16	16	0	128	
7:05 AM	0	0	0	0	16	0	43	0	23	19	0	0	0	31	24	0	156	
7:10 AM	0	0	0	0	18	0	37	0	37	14	0	0	0	25	19	0	150	
7:15 AM	0	0	0	0	16	0	43	0	39	19	0	0	0	36	19	0	172	
7:20 AM	0	0	0	0	19	0	34	0	45	10	0	0	0	23	21	0	152	
7:25 AM	0	0	0	0	12	0	29	0	30	11	0	0	0	41	17	0	140	
7:30 AM	0	0	0	0	17	0	24	0	34	12	0	0	0	44	13	0	144	
7:35 AM	0	0	0	0	15	0	39	0	35	17	0	0	0	35	18	0	159	
7:40 AM	0	0	0	0	15	0	30	0	45	16	0	0	0	30	23	0	159	
7:45 AM	0	0	0	0	16	0	42	0	35	21	0	0	0	29	18	0	161	
7:50 AM	0	0	0	0	13	0	27	0	40	22	0	0	0	26	13	0	141	
7:55 AM	0	0	0	0	14	0	29	0	37	12	0	0	0	26	15	0	133	1795
8:00 AM	0	0	0	0	10	0	29	0	34	13	0	0	0	25	9	0	120	1787
8:05 AM	0	0	0	0	13	0	30	0	36	19	0	0	0	26	19	0	143	1774
8:10 AM	0	0	0	0	11	0	33	0	22	16	0	0	0	37	19	0	138	1762
8:15 AM	0	0	0	0	13	0	41	0	38	22	0	0	0	24	16	0	154	1744
8:20 AM	0	0	0	0	19	0	49	0	26	21	0	0	0	26	20	0	161	1753
8:25 AM	0	0	0	0	17	0	29	0	44	24	0	0	0	23	15	0	152	1765
8:30 AM	0	0	0	0	15	0	30	0	33	14	0	0	0	18	18	0	128	1749
8:35 AM	0	0	0	0	13	0	36	0	40	23	0	0	0	33	18	0	163	1753
8:40 AM	0	0	0	0	12	0	37	0	33	20	0	0	0	31	19	0	152	1746
8:45 AM	0	0	0	0	14	0	31	0	22	17	0	0	0	36	15	0	135	1720
8:50 AM	0	0	0	0	14	0	31	0	35	17	0	0	0	25	26	0	148	1727
8:55 AM	0	0	0	0	10	0	24	0	26	16	0	0	0	16	19	0	111	1705
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	0	0	0	196	0	476	0	432	268	0	0	0	292	204	0	1868	
Heavy Trucks	0	0	0	0	16	0	36	0	12	48	0	0	0	16	4	0	132	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

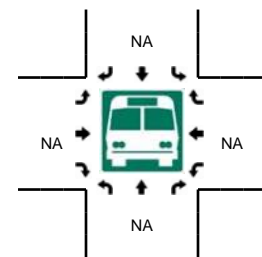
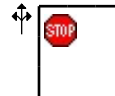
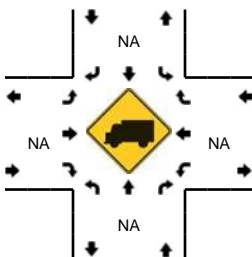
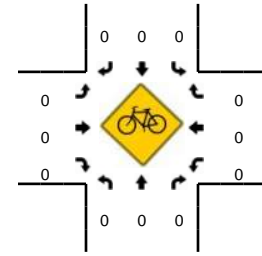
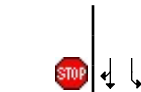
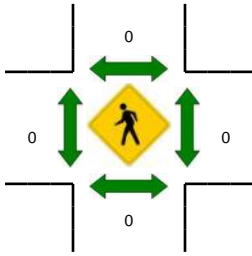
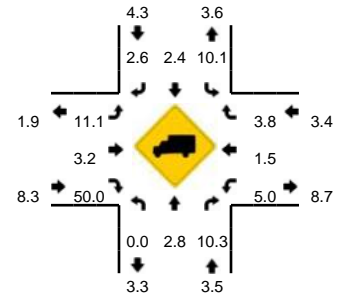
Comments:

LOCATION: SE 190th Dr -- SE Giese Rd
CITY/STATE: Gresham, OR

QC JOB #: 14500807
DATE: Wed, Oct 04 2017



Peak-Hour: 7:40 AM -- 8:40 AM
Peak 15-Min: 8:20 AM -- 8:35 AM

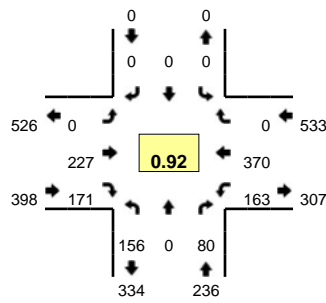


5-Min Count Period Beginning At	SE 190th Dr (Northbound)				SE 190th Dr (Southbound)				SE Giese Rd (Eastbound)				SE Giese Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	1	17	1	0	3	23	3	0	0	2	0	0	8	4	8	0	70	
7:05 AM	1	18	1	0	3	28	8	0	1	2	0	0	3	3	1	0	69	
7:10 AM	0	20	3	0	5	24	4	0	3	0	0	0	5	5	10	0	79	
7:15 AM	0	32	3	0	3	16	5	0	0	3	0	0	7	6	6	0	81	
7:20 AM	0	25	4	0	5	20	3	0	2	5	0	0	6	11	8	0	89	
7:25 AM	0	21	2	0	3	23	4	0	2	6	0	0	13	4	4	0	82	
7:30 AM	0	15	4	0	1	19	4	0	1	0	0	0	2	10	6	0	62	
7:35 AM	0	31	4	0	4	20	1	0	4	3	0	0	4	9	4	0	84	
7:40 AM	1	24	2	0	3	27	2	0	3	1	0	0	4	9	5	0	81	
7:45 AM	0	31	0	0	0	17	3	0	5	1	0	0	8	7	6	0	78	
7:50 AM	0	22	0	0	4	21	2	0	1	3	0	0	3	6	4	0	66	
7:55 AM	0	25	2	0	1	23	2	0	1	1	0	0	6	1	3	0	65	906
8:00 AM	0	31	3	0	3	15	5	0	2	2	0	0	9	8	8	0	86	922
8:05 AM	0	13	2	0	4	23	2	0	1	1	0	0	2	3	8	0	59	912
8:10 AM	0	18	1	0	4	25	4	0	5	2	0	0	4	5	7	0	75	908
8:15 AM	0	19	3	0	3	23	2	0	2	4	0	0	3	7	7	0	73	900
8:20 AM	0	26	5	0	17	20	4	0	3	4	1	0	5	1	14	0	100	911
8:25 AM	0	29	4	0	14	21	3	0	0	1	0	0	4	7	17	0	100	929
8:30 AM	0	24	4	0	24	19	8	0	2	6	1	0	8	5	14	0	115	982
8:35 AM	1	23	3	0	12	11	1	0	2	5	0	0	4	7	13	0	82	980
8:40 AM	0	21	1	0	8	22	2	0	4	4	0	0	5	7	19	0	93	992
8:45 AM	1	28	2	0	7	20	2	0	2	2	1	0	5	5	20	0	95	1009
8:50 AM	0	20	6	0	3	15	2	0	0	1	0	0	1	5	10	0	63	1006
8:55 AM	0	14	1	0	6	11	2	0	1	4	0	0	6	7	8	0	60	1001
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	316	52	0	220	240	60	0	20	44	8	0	68	52	180	0	1260	
Heavy Trucks	0	12	8		20	4	0		0	4	4		0	0	4		56	
Pedestrians	0	0	0		0	0	0		0	0	0		0	0	0		0	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Railroad																		
Stopped Buses																		

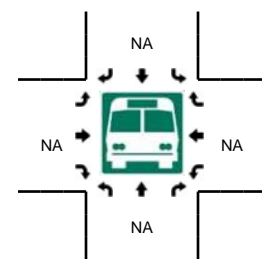
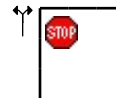
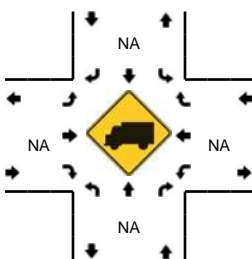
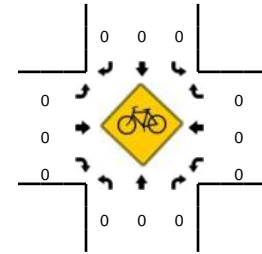
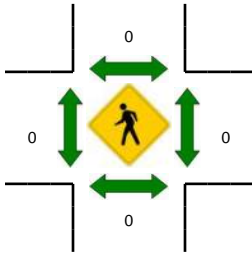
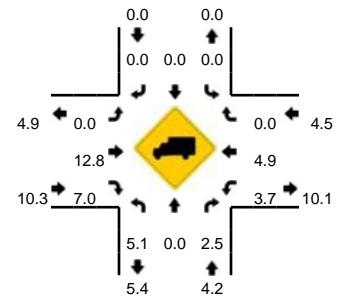
Comments:

LOCATION: SE 172nd Ave -- SE Foster Rd
CITY/STATE: Gresham, OR

QC JOB #: 14500809
DATE: Wed, Oct 04 2017



Peak-Hour: 7:40 AM -- 8:40 AM
Peak 15-Min: 8:25 AM -- 8:40 AM

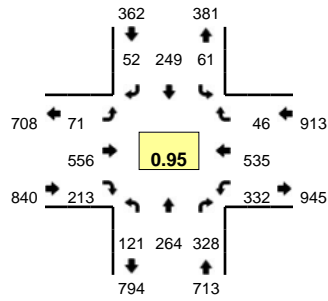


5-Min Count Period Beginning At	SE 172nd Ave (Northbound)				SE 172nd Ave (Southbound)				SE Foster Rd (Eastbound)				SE Foster Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
7:00 AM	12	0	3	0	0	0	0	0	0	15	9	0	15	33	0	0	87	
7:05 AM	12	0	3	0	0	0	0	0	0	22	17	0	17	32	0	0	103	
7:10 AM	14	0	10	0	0	0	0	0	0	15	15	0	18	33	0	0	105	
7:15 AM	16	0	17	0	0	0	0	0	0	17	19	0	12	42	0	0	123	
7:20 AM	12	0	3	0	0	0	0	0	0	15	9	0	13	37	0	0	89	
7:25 AM	19	0	5	0	0	0	0	0	0	7	14	0	9	41	0	0	95	
7:30 AM	8	0	6	0	0	0	0	0	0	19	18	0	12	42	0	0	105	
7:35 AM	15	0	6	0	0	0	0	0	0	15	15	0	10	38	0	0	99	
7:40 AM	13	0	5	0	0	0	0	0	0	17	14	0	12	34	0	0	95	
7:45 AM	9	0	6	0	0	0	0	0	0	18	20	0	15	35	0	0	103	
7:50 AM	17	0	4	0	0	0	0	0	0	22	16	0	9	22	0	0	90	
7:55 AM	11	0	9	0	0	0	0	0	0	13	10	0	8	30	0	0	81	1175
8:00 AM	8	0	7	0	0	0	0	0	0	16	9	0	17	27	0	0	84	1172
8:05 AM	15	0	6	0	0	0	0	0	0	11	12	0	20	30	0	0	94	1163
8:10 AM	13	0	6	0	0	0	0	0	0	11	14	0	13	34	0	0	91	1149
8:15 AM	15	0	11	0	0	0	0	0	0	25	20	0	15	30	0	0	116	1142
8:20 AM	16	0	6	0	0	0	0	0	0	17	19	0	13	24	0	0	95	1148
8:25 AM	9	0	9	0	0	0	0	0	0	24	14	0	9	38	0	0	103	1156
8:30 AM	15	0	7	0	0	0	0	0	0	26	14	0	19	25	0	0	106	1157
8:35 AM	15	0	4	0	0	0	0	0	0	27	9	0	13	41	0	0	109	1167
8:40 AM	11	0	8	0	0	0	0	0	0	23	8	0	19	31	0	0	100	1172
8:45 AM	16	0	7	0	0	0	0	0	0	16	10	0	12	34	0	0	95	1164
8:50 AM	20	0	10	0	0	0	0	0	0	17	16	0	9	27	0	0	99	1173
8:55 AM	18	0	12	0	0	0	0	0	0	14	10	0	9	24	0	0	87	1179
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	156	0	80	0	0	0	0	0	0	308	148	0	164	416	0	0	1272	
Heavy Trucks	8	0	0	0	0	0	0	0	0	52	12	0	4	28	0	0	104	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

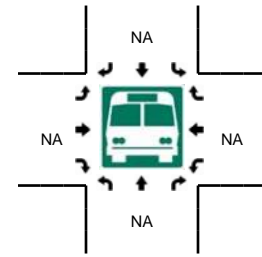
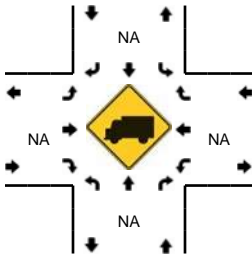
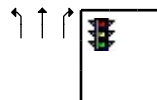
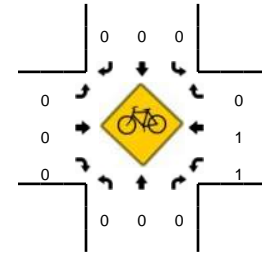
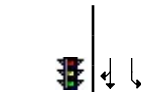
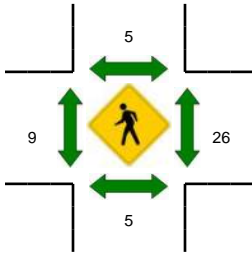
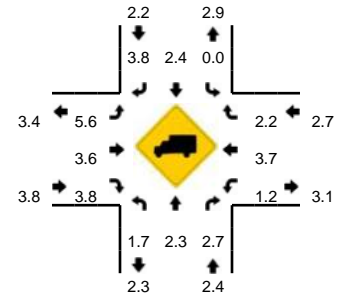
Comments:

LOCATION: SE 174th Ave -- SE Powell Blvd
CITY/STATE: Portland, OR

QC JOB #: 14500802
DATE: Wed, Oct 04 2017



Peak-Hour: 4:20 PM -- 5:20 PM
Peak 15-Min: 5:00 PM -- 5:15 PM

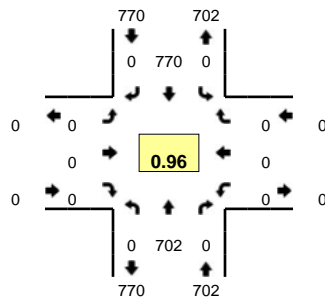


5-Min Count Period Beginning At	SE 174th Ave (Northbound)				SE 174th Ave (Southbound)				SE Powell Blvd (Eastbound)				SE Powell Blvd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	7	22	37	0	3	25	7	0	5	36	16	0	31	36	6	0	231	
4:05 PM	14	18	30	0	4	26	3	0	2	38	13	0	33	33	3	0	217	
4:10 PM	4	20	31	0	7	19	4	0	1	43	13	0	27	53	3	0	225	
4:15 PM	12	22	24	0	6	18	3	0	6	52	20	0	20	47	2	0	232	
4:20 PM	8	24	28	0	2	20	7	0	5	46	19	0	30	51	1	0	241	
4:25 PM	10	23	31	0	10	26	4	0	5	37	24	0	27	38	5	0	240	
4:30 PM	18	17	16	0	5	15	3	0	7	47	20	0	22	30	3	0	203	
4:35 PM	7	31	25	0	9	23	6	0	5	51	11	0	25	40	3	0	236	
4:40 PM	13	24	25	0	3	15	5	0	5	49	14	0	26	42	3	0	224	
4:45 PM	10	12	27	0	3	24	4	0	8	49	22	0	31	53	4	0	247	
4:50 PM	9	21	38	0	5	18	3	0	7	42	12	0	20	54	3	0	232	
4:55 PM	6	29	35	0	4	17	3	0	10	42	10	0	31	27	5	0	219	2747
5:00 PM	16	23	22	0	4	26	3	0	1	58	28	0	16	41	5	0	243	2759
5:05 PM	12	13	29	0	6	18	3	0	6	48	17	0	34	51	6	0	243	2785
5:10 PM	7	20	28	0	4	23	5	0	9	46	26	0	36	50	3	0	257	2817
5:15 PM	5	27	24	0	6	24	6	0	3	41	10	0	34	58	5	0	243	2828
5:20 PM	9	27	26	0	8	18	8	0	3	36	18	0	33	48	6	0	240	2827
5:25 PM	10	27	28	0	12	26	5	0	4	53	10	0	19	43	7	0	244	2831
5:30 PM	9	9	24	0	7	15	3	0	5	51	5	0	29	64	1	0	222	2850
5:35 PM	5	24	22	0	2	23	9	0	8	46	8	0	30	34	4	0	215	2829
5:40 PM	12	24	35	0	12	20	6	0	7	36	12	0	27	48	5	0	244	2849
5:45 PM	12	25	33	0	4	21	3	0	5	60	14	0	17	55	9	0	258	2860
5:50 PM	10	19	14	0	8	11	5	0	6	35	8	0	38	41	3	0	198	2826
5:55 PM	6	26	19	0	8	20	2	0	4	51	10	0	15	52	4	0	217	2824
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	140	224	316	0	56	268	44	0	64	608	284	0	344	568	56	0	2972	
Heavy Trucks	0	8	4		0	4	4		0	36	16		0	16	0		88	
Pedestrians		4				4				4				52			64	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Railroad																		
Stopped Buses																		

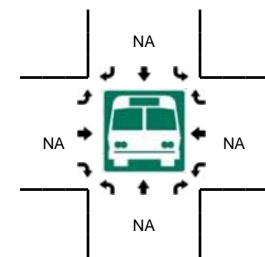
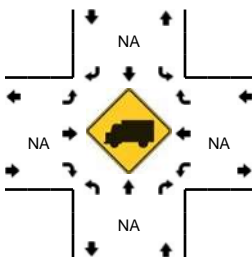
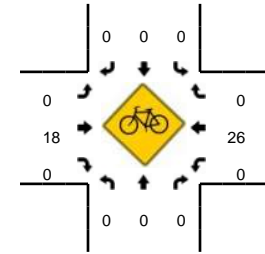
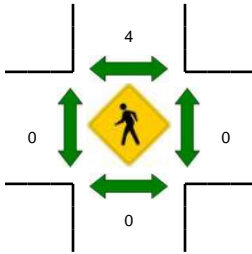
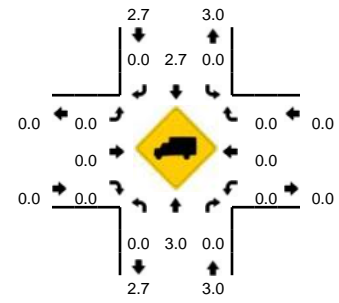
Comments:

LOCATION: SE 174th Ave -- Springwater Corridor Trail
CITY/STATE: Portland, OR

QC JOB #: 14500804
DATE: Wed, Oct 04 2017



Peak-Hour: 4:20 PM -- 5:20 PM
Peak 15-Min: 4:40 PM -- 4:55 PM

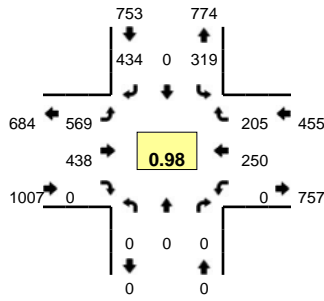


5-Min Count Period Beginning At	SE 174th Ave (Northbound)				SE 174th Ave (Southbound)				Springwater Corridor Trail (Eastbound)				Springwater Corridor Trail (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	51	0	0	0	74	0	0	0	0	0	0	0	0	0	0	125	
4:05 PM	0	64	0	0	0	67	0	0	0	0	0	0	0	0	0	0	131	
4:10 PM	0	58	0	0	0	57	0	0	0	0	0	0	0	0	0	0	115	
4:15 PM	0	58	0	0	0	58	0	0	0	0	0	0	0	0	0	0	116	
4:20 PM	0	57	0	0	0	59	0	0	0	0	0	0	0	0	0	0	116	
4:25 PM	0	50	0	0	0	71	0	0	0	0	0	0	0	0	0	0	121	
4:30 PM	0	63	0	0	0	50	0	0	0	0	0	0	0	0	0	0	113	
4:35 PM	0	63	0	0	0	61	0	0	0	0	0	0	0	0	0	0	124	
4:40 PM	0	54	0	0	0	64	0	0	0	0	0	0	0	0	0	0	118	
4:45 PM	0	71	0	0	0	64	0	0	0	0	0	0	0	0	0	0	135	
4:50 PM	0	69	0	0	0	60	0	0	0	0	0	0	0	0	0	0	129	
4:55 PM	0	54	0	0	0	55	0	0	0	0	0	0	0	0	0	0	109	1452
5:00 PM	0	59	0	0	0	75	0	0	0	0	0	0	0	0	0	0	134	1461
5:05 PM	0	60	0	0	0	70	0	0	0	0	0	0	0	0	0	0	130	1460
5:10 PM	0	50	0	0	0	59	0	0	0	0	0	0	0	0	0	0	109	1454
5:15 PM	0	52	0	0	0	82	0	0	0	0	0	0	0	0	0	0	134	1472
5:20 PM	0	47	0	0	0	57	0	0	0	0	0	0	0	0	0	0	104	1460
5:25 PM	0	56	0	0	0	64	0	0	0	0	0	0	0	0	0	0	120	1459
5:30 PM	0	58	0	0	0	65	0	0	0	0	0	0	0	0	0	0	123	1469
5:35 PM	0	62	0	0	0	60	0	0	0	0	0	0	0	0	0	0	122	1467
5:40 PM	0	55	0	0	0	48	0	0	0	0	0	0	0	0	0	0	103	1452
5:45 PM	0	55	0	0	0	62	0	0	0	0	0	0	0	0	0	0	117	1434
5:50 PM	0	56	0	0	0	44	0	0	0	0	0	0	0	0	0	0	100	1405
5:55 PM	0	52	0	0	0	48	0	0	0	0	0	0	0	0	0	0	100	1396
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	776	0	0	0	752	0	0	0	0	0	0	0	0	0	0	1528	
Heavy Trucks	0	24	0	0	0	24	0	0	0	0	0	0	0	0	0	0	48	
Pedestrians		0				8					0			0			8	
Bicycles	0	0	0		0	0	0		0	6	0		0	8	0		14	
Railroad																		
Stopped Buses																		

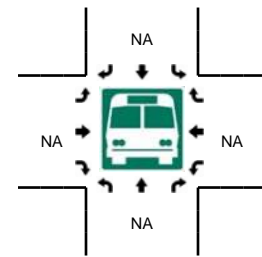
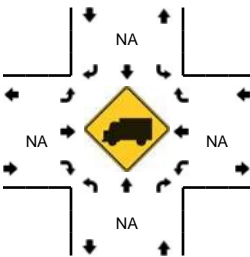
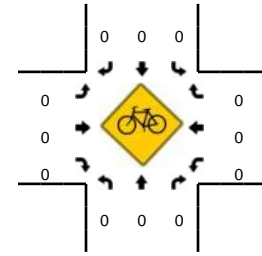
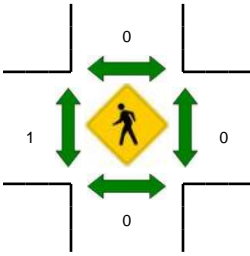
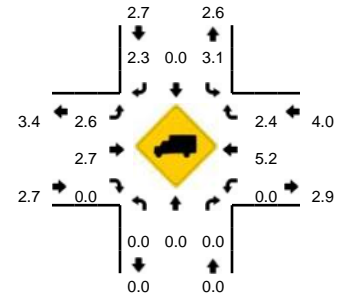
Comments:

LOCATION: SE Jenne Rd -- SE Foster Rd
CITY/STATE: Portland, OR

QC JOB #: 14500806
DATE: Wed, Oct 04 2017



Peak-Hour: 4:20 PM -- 5:20 PM
Peak 15-Min: 4:40 PM -- 4:55 PM

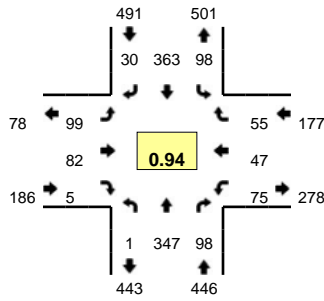


5-Min Count Period Beginning At	SE Jenne Rd (Northbound)				SE Jenne Rd (Southbound)				SE Foster Rd (Eastbound)				SE Foster Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	0	0	0	35	0	32	0	39	43	0	0	0	33	17	0	199	
4:05 PM	0	0	0	0	17	0	38	0	50	42	0	0	0	22	16	0	185	
4:10 PM	0	0	0	0	31	0	43	0	43	44	0	0	0	27	24	0	212	
4:15 PM	0	0	0	0	18	0	35	0	43	32	0	0	0	14	14	0	156	
4:20 PM	0	0	0	0	26	0	35	0	50	48	0	0	0	22	12	0	193	
4:25 PM	0	0	0	0	27	0	34	0	45	38	0	0	0	25	13	0	182	
4:30 PM	0	0	0	0	32	0	28	0	51	43	0	0	0	22	13	0	189	
4:35 PM	0	0	0	0	25	0	32	0	46	38	0	0	0	21	21	0	183	
4:40 PM	0	0	0	0	22	0	32	0	52	36	0	0	0	17	22	0	181	
4:45 PM	0	0	0	0	25	0	47	0	52	38	0	0	0	19	13	0	194	
4:50 PM	0	0	0	0	24	0	44	0	51	25	0	0	0	26	22	0	192	
4:55 PM	0	0	0	0	22	0	25	0	44	37	0	0	0	22	24	0	174	2240
5:00 PM	0	0	0	0	26	0	36	0	48	35	0	0	0	19	18	0	182	2223
5:05 PM	0	0	0	0	37	0	36	0	45	25	0	0	0	16	20	0	179	2217
5:10 PM	0	0	0	0	22	0	36	0	43	32	0	0	0	19	12	0	164	2169
5:15 PM	0	0	0	0	31	0	49	0	42	43	0	0	0	22	15	0	202	2215
5:20 PM	0	0	0	0	25	0	46	0	36	28	0	0	0	28	12	0	175	2197
5:25 PM	0	0	0	0	21	0	38	0	58	39	0	0	0	22	9	0	187	2202
5:30 PM	0	0	0	0	19	0	51	0	47	47	0	0	0	26	15	0	205	2218
5:35 PM	0	0	0	0	15	0	42	0	50	38	0	0	0	23	16	0	184	2219
5:40 PM	0	0	0	0	24	0	30	0	54	37	0	0	0	21	15	0	181	2219
5:45 PM	0	0	0	0	19	0	27	0	48	39	0	0	0	23	18	0	174	2199
5:50 PM	0	0	0	0	17	0	36	0	46	35	0	0	0	21	17	0	172	2179
5:55 PM	0	0	0	0	13	0	36	0	41	31	0	0	0	17	9	0	147	2152
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	0	0	0	284	0	492	0	620	396	0	0	0	248	228	0	2268	
Heavy Trucks	0	0	0	0	8	0	16	0	8	24	0	0	0	12	8	0	76	
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stopped Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

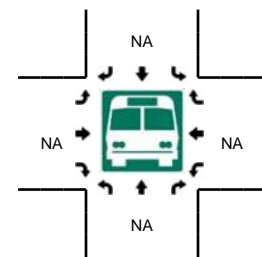
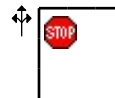
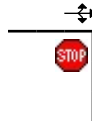
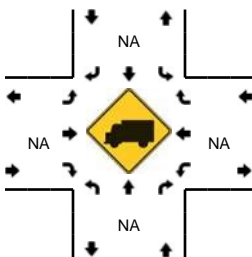
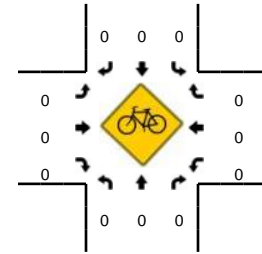
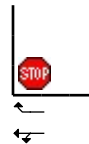
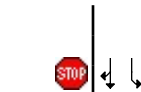
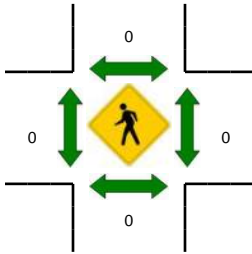
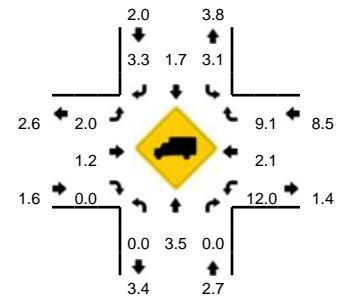
Comments:

LOCATION: SE 190th Dr -- SE Giese Rd
CITY/STATE: Gresham, OR

QC JOB #: 14500808
DATE: Wed, Oct 04 2017



Peak-Hour: 4:20 PM -- 5:20 PM
Peak 15-Min: 4:20 PM -- 4:35 PM

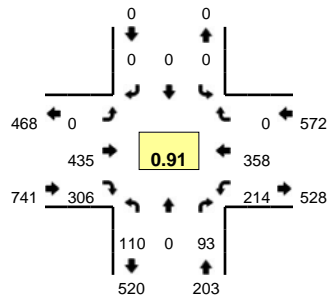


5-Min Count Period Beginning At	SE 190th Dr (Northbound)				SE 190th Dr (Southbound)				SE Giese Rd (Eastbound)				SE Giese Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	34	7	0	11	14	2	0	4	10	0	0	6	3	6	0	97	
4:05 PM	0	37	8	0	9	26	2	0	8	4	0	0	5	4	6	0	109	
4:10 PM	0	30	13	0	8	25	1	0	5	7	0	0	6	7	7	0	109	
4:15 PM	0	33	13	0	4	23	4	0	6	8	0	0	5	8	5	0	109	
4:20 PM	0	32	14	0	7	35	3	0	8	6	2	0	2	6	1	0	116	
4:25 PM	0	30	7	0	9	24	1	0	12	8	1	0	12	6	6	0	116	
4:30 PM	0	29	6	0	6	43	2	0	7	8	0	0	5	5	3	0	114	
4:35 PM	0	28	11	0	8	22	3	0	5	3	0	0	6	0	7	0	93	
4:40 PM	0	24	5	0	12	32	6	0	9	7	0	0	7	9	4	0	115	
4:45 PM	0	34	5	0	11	32	6	0	8	8	1	0	6	5	5	0	121	
4:50 PM	0	36	3	0	6	21	2	0	8	7	0	0	11	3	6	0	103	
4:55 PM	1	17	11	0	8	30	2	0	7	9	0	0	6	4	5	0	100	1302
5:00 PM	0	36	10	0	11	34	1	0	9	6	0	0	4	5	9	0	125	1330
5:05 PM	0	24	12	0	4	32	1	0	13	9	1	0	6	0	3	0	105	1326
5:10 PM	0	27	5	0	7	27	1	0	11	7	0	0	4	1	4	0	94	1311
5:15 PM	0	30	9	0	9	31	2	0	2	4	0	0	6	3	2	0	98	1300
5:20 PM	0	33	13	0	5	30	2	0	6	10	0	0	2	4	6	0	111	1295
5:25 PM	0	32	8	0	3	34	1	0	3	4	0	0	2	4	9	0	100	1279
5:30 PM	0	42	6	0	7	34	1	0	9	9	0	0	7	4	4	0	123	1288
5:35 PM	0	38	10	0	9	25	1	0	1	7	0	0	8	4	4	0	107	1302
5:40 PM	0	34	12	0	4	28	1	0	12	11	0	0	7	3	6	0	118	1305
5:45 PM	0	27	5	0	4	39	2	0	4	7	0	0	2	5	7	0	102	1286
5:50 PM	0	29	8	0	6	20	2	0	6	8	1	0	3	4	9	0	96	1279
5:55 PM	0	28	9	0	7	23	4	0	6	5	0	0	7	6	6	0	101	1280
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	364	108	0	88	408	24	0	108	88	12	0	76	68	40	0	1384	
Heavy Trucks	0	12	0		12	4	4		8	0	0		24	0	0		64	
Pedestrians		0				0				0				0			0	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Railroad																		
Stopped Buses																		

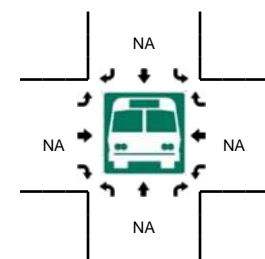
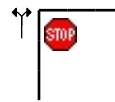
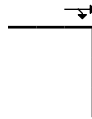
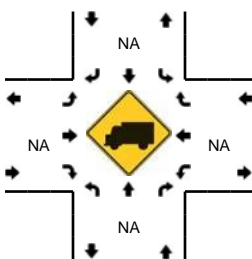
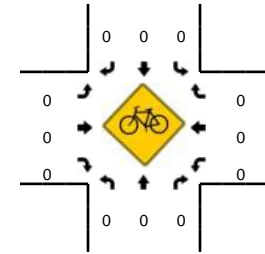
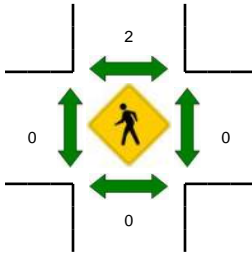
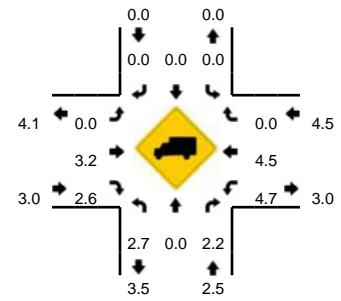
Comments:

LOCATION: SE 172nd Ave -- SE Foster Rd
CITY/STATE: Gresham, OR

QC JOB #: 14500810
DATE: Wed, Oct 04 2017



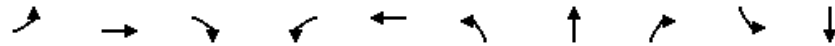
Peak-Hour: 4:20 PM -- 5:20 PM
Peak 15-Min: 4:25 PM -- 4:40 PM



5-Min Count Period Beginning At	SE 172nd Ave (Northbound)				SE 172nd Ave (Southbound)				SE Foster Rd (Eastbound)				SE Foster Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	8	0	13	0	0	0	0	0	0	40	26	0	11	34	0	0	132	
4:05 PM	9	0	14	0	0	0	0	0	0	40	25	0	17	34	0	0	139	
4:10 PM	13	0	9	0	0	0	0	0	0	43	31	0	10	27	0	0	133	
4:15 PM	7	0	5	0	0	0	0	0	0	28	28	0	17	33	0	0	118	
4:20 PM	6	0	10	0	0	0	0	0	0	47	16	0	20	27	0	0	126	
4:25 PM	7	0	7	0	0	0	0	0	0	45	29	0	19	35	0	0	142	
4:30 PM	5	0	9	0	0	0	0	0	0	39	31	0	19	30	0	0	133	
4:35 PM	12	0	8	0	0	0	0	0	0	35	31	0	23	33	0	0	142	
4:40 PM	8	0	7	0	0	0	0	0	0	39	17	0	19	28	0	0	118	
4:45 PM	14	0	5	0	0	0	0	0	0	42	20	0	18	22	0	0	121	
4:50 PM	12	0	2	0	0	0	0	0	0	33	22	0	12	31	0	0	112	
4:55 PM	12	0	12	0	0	0	0	0	0	24	31	0	15	36	0	0	130	1546
5:00 PM	7	0	9	0	0	0	0	0	0	34	27	0	17	25	0	0	119	1533
5:05 PM	8	0	6	0	0	0	0	0	0	33	28	0	22	34	0	0	131	1525
5:10 PM	11	0	13	0	0	0	0	0	0	29	28	0	16	26	0	0	123	1515
5:15 PM	8	0	5	0	0	0	0	0	0	35	26	0	14	31	0	0	119	1516
5:20 PM	4	0	5	0	0	0	0	0	0	46	23	0	18	30	0	0	126	1516
5:25 PM	10	0	9	0	0	0	0	0	0	33	21	0	19	23	0	0	115	1489
5:30 PM	9	0	12	0	0	0	0	0	0	37	25	0	17	30	0	0	130	1486
5:35 PM	11	0	8	0	0	0	0	0	0	35	20	0	24	29	0	0	127	1471
5:40 PM	12	0	2	0	0	0	0	0	0	40	19	0	18	25	0	0	116	1469
5:45 PM	11	0	10	0	0	0	0	0	0	25	27	0	17	24	0	0	114	1462
5:50 PM	8	0	8	0	0	0	0	0	0	37	22	0	21	21	0	0	117	1467
5:55 PM	10	0	7	0	0	0	0	0	0	31	11	0	14	18	0	0	91	1428
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	96	0	96	0	0	0	0	0	0	476	364	0	244	392	0	0	1668	
Heavy Trucks	0	0	0	0	0	0	0	0	0	16	12	0	16	36	0	0	80	
Pedestrians						4				0				0			4	
Bicycles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Railroad																		
Stopped Buses																		

Comments:

Appendix C Existing Traffic Conditions



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	45	423	124	261	598	160	239	349	29	189
v/c Ratio	0.37	0.85	0.25	0.98	0.86	0.71	0.52	0.44	0.29	0.72
Control Delay	58.0	53.2	7.0	96.3	43.8	62.9	37.6	3.6	57.3	54.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	58.0	53.2	7.0	96.3	43.8	62.9	37.6	3.6	57.3	54.7
Queue Length 50th (ft)	30	273	0	182	376	106	145	2	19	115
Queue Length 95th (ft)	72	#531	46	#401	#759	194	233	49	52	199
Internal Link Dist (ft)		586			513		2445			560
Turn Bay Length (ft)	100			100		150		90	50	
Base Capacity (vph)	283	497	490	266	698	288	523	802	262	470
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.16	0.85	0.25	0.98	0.86	0.56	0.46	0.44	0.11	0.40
























Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Pleasant Valley TSP Refinement
1: SE 174th Ave & SE Powell Blvd

Year 2017 Existing Conditions, Weekday AM Peak Hour

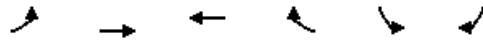
11/28/2017

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	41	389	114	240	512	38	147	220	321	27	125	49
Future Volume (vph)	41	389	114	240	512	38	147	220	321	27	125	49
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		3%			-2%			-1%			1%	
Total Lost time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	3.5	3.5	5.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frbp, ped/bikes	1.00	1.00	0.96	1.00	1.00		1.00	1.00	0.95	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1514	1519	1247	1426	1536		1544	1579	1290	1405	1407	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1514	1519	1247	1426	1536		1544	1579	1290	1405	1407	
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)	45	423	124	261	557	41	160	239	349	29	136	53
RTOR Reduction (vph)	0	0	83	0	2	0	0	0	182	0	12	0
Lane Group Flow (vph)	45	423	41	261	596	0	160	239	167	29	177	0
Confl. Peds. (#/hr)	7		10	10		7	8		23	23		8
Confl. Bikes (#/hr)						1			1			
Heavy Vehicles (%)	2%	7%	6%	11%	7%	8%	2%	5%	4%	11%	10%	12%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	pm+ov	Prot	NA	
Protected Phases	5	2		1	6		3	8	1	7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	7.4	36.1	36.1	20.2	48.9		15.7	31.2	51.4	5.2	20.7	
Effective Green, g (s)	7.4	36.1	36.1	20.2	48.9		15.7	31.2	51.4	5.2	20.7	
Actuated g/C Ratio	0.07	0.33	0.33	0.18	0.44		0.14	0.28	0.47	0.05	0.19	
Clearance Time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	3.5	3.5	5.0	
Vehicle Extension (s)	3.0	4.0	4.0	3.0	4.0		3.0	3.5	3.0	3.0	3.5	
Lane Grp Cap (vph)	101	498	409	261	682		220	447	602	66	264	
v/s Ratio Prot	0.03	0.28		c0.18	c0.39		c0.10	0.15	0.05	0.02	c0.13	
v/s Ratio Perm			0.03						0.08			
v/c Ratio	0.45	0.85	0.10	1.00	0.87		0.73	0.53	0.28	0.44	0.67	
Uniform Delay, d1	49.3	34.4	25.7	44.9	27.8		45.1	33.3	17.9	51.0	41.5	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	3.1	13.2	0.1	55.7	12.3		11.3	1.4	0.3	4.6	6.6	
Delay (s)	52.4	47.7	25.8	100.6	40.1		56.4	34.7	18.2	55.6	48.0	
Level of Service	D	D	C	F	D		E	C	B	E	D	
Approach Delay (s)		43.4			58.5			31.6			49.0	
Approach LOS		D			E			C			D	

Intersection Summary

HCM 2000 Control Delay	45.6	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.85		
Actuated Cycle Length (s)	110.0	Sum of lost time (s)	17.3
Intersection Capacity Utilization	76.8%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	457	237	344	216	180	431
v/c Ratio	0.78	0.23	0.75	0.40	0.70	0.87
Control Delay	37.7	6.2	41.7	6.3	49.8	29.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.7	6.2	41.7	6.3	49.8	29.4
Queue Length 50th (ft)	195	34	168	0	91	54
Queue Length 95th (ft)	#547	106	325	55	180	203
Internal Link Dist (ft)		389	3361		596	
Turn Bay Length (ft)	250			190		75
Base Capacity (vph)	586	1423	1102	997	501	659
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.78	0.17	0.31	0.22	0.36	0.65

Intersection Summary




















95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

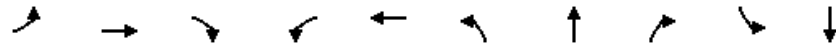


Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖	↗	↗	↖	↖	↖
Traffic Volume (vph)	430	223	323	203	169	405
Future Volume (vph)	430	223	323	203	169	405
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)		5%	-5%		-2%	
Total Lost time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frbp, 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	1.00	1.00	1.00	0.85	1.00	0.85
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1484	1462	1626	1369	1480	1324
Flt Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1484	1462	1626	1369	1480	1324
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	457	237	344	216	180	431
RTOR Reduction (vph)	0	0	0	155	0	263
Lane Group Flow (vph)	457	237	344	61	180	168
Confl. Peds. (#/hr)					1	
Heavy Vehicles (%)	3%	10%	4%	5%	7%	7%
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Actuated Green, G (s)	35.7	64.3	25.6	25.6	15.7	15.7
Effective Green, g (s)	35.7	64.3	25.6	25.6	15.7	15.7
Actuated g/C Ratio	0.40	0.71	0.28	0.28	0.17	0.17
Clearance Time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Vehicle Extension (s)	0.5	0.5	0.5	0.5	0.5	0.5
Lane Grp Cap (vph)	588	1044	462	389	258	230
v/s Ratio Prot	c0.31	0.16	c0.21		0.12	
v/s Ratio Perm				0.04		c0.13
v/c Ratio	0.78	0.23	0.74	0.16	0.70	0.73
Uniform Delay, d1	23.7	4.4	29.2	24.1	34.9	35.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	5.9	0.0	5.6	0.1	6.5	9.4
Delay (s)	29.5	4.4	34.9	24.2	41.4	44.5
Level of Service	C	A	C	C	D	D
Approach Delay (s)		21.0	30.7		43.6	
Approach LOS		C	C		D	

Intersection Summary

HCM 2000 Control Delay	31.3	HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio	0.76		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	13.0
Intersection Capacity Utilization	69.5%	ICU Level of Service	C
Analysis Period (min)	15		
c Critical Lane Group			
























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Traffic Volume (vph)	27	31	2	60	66	106	2	285	29	89	245	38
Future Volume (vph)	27	31	2	60	66	106	2	285	29	89	245	38
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)	35	40	3	77	85	136	3	365	37	114	314	49
Direction, Lane #	EB 1	WB 1	WB 2	NB 1	SB 1	SB 2						
Volume Total (vph)	78	162	136	405	114	363						
Volume Left (vph)	35	77	0	3	114	0						
Volume Right (vph)	3	0	136	37	0	49						
Hadj (s)	0.21	0.30	-0.63	0.01	0.67	-0.06						
Departure Headway (s)	8.2	7.6	6.7	6.6	7.2	6.5						
Degree Utilization, x	0.18	0.34	0.25	0.74	0.23	0.65						
Capacity (veh/h)	392	439	498	530	480	532						
Control Delay (s)	12.9	13.3	10.7	26.4	11.2	19.8						
Approach Delay (s)	12.9	12.1		26.4	17.7							
Approach LOS	B	B		D	C							
Intersection Summary												
Delay			18.9									
Level of Service			C									
Intersection Capacity Utilization			57.3%	ICU Level of Service	B							
Analysis Period (min)			15									



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	75	585	224	349	611	127	278	345	64	317
v/c Ratio	0.52	1.22	0.44	1.27	0.95	0.65	0.58	0.44	0.47	0.84
Control Delay	64.1	152.1	13.7	186.4	62.5	65.3	40.6	6.0	63.1	61.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	64.1	152.1	13.7	186.4	62.5	65.3	40.6	6.0	63.1	61.0
Queue Length 50th (ft)	54	~542	33	~332	~483	91	178	27	46	218
Queue Length 95th (ft)	109	#860	115	#579	#873	164	282	90	97	345
Internal Link Dist (ft)		586			2539		2445			560
Turn Bay Length (ft)	100			100		150		90	50	
Base Capacity (vph)	255	480	508	275	642	271	525	780	274	482
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.29	1.22	0.44	1.27	0.95	0.47	0.53	0.44	0.23	0.66

Intersection Summary

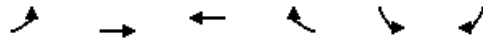
- ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	71	556	213	332	535	46	121	264	328	61	249	52
Future Volume (vph)	71	556	213	332	535	46	121	264	328	61	249	52
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		3%			-2%			-1%			1%	
Total Lost time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	3.5	3.5	5.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	1.00	0.97	1.00	1.00		1.00	1.00	0.97	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1457	1563	1285	1568	1582		1544	1626	1322	1560	1551	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1457	1563	1285	1568	1582		1544	1626	1322	1560	1551	
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)	75	585	224	349	563	48	127	278	345	64	262	55
RTOR Reduction (vph)	0	0	113	0	2	0	0	0	146	0	6	0
Lane Group Flow (vph)	75	585	111	349	609	0	127	278	199	64	311	0
Confl. Peds. (#/hr)	5		5	5		5	9		26	26		9
Confl. Bikes (#/hr)						1						
Heavy Vehicles (%)	6%	4%	4%	1%	4%	2%	2%	2%	3%	0%	2%	4%
Turn Type	Prot	NA	Perm	Prot	NA		Prot	NA	pm+ov	Prot	NA	
Protected Phases	5	2		1	6		3	8	1	7	4	
Permitted Phases			2						8			
Actuated Green, G (s)	9.8	36.1	36.1	20.2	46.5		14.4	34.0	54.2	8.7	28.3	
Effective Green, g (s)	9.8	36.1	36.1	20.2	46.5		14.4	34.0	54.2	8.7	28.3	
Actuated g/C Ratio	0.08	0.31	0.31	0.17	0.40		0.12	0.29	0.47	0.07	0.24	
Clearance Time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	3.5	3.5	5.0	
Vehicle Extension (s)	3.0	4.0	4.0	3.0	4.0		3.0	3.5	3.0	3.0	3.5	
Lane Grp Cap (vph)	122	485	398	272	632		191	475	616	116	377	
v/s Ratio Prot	0.05	c0.37		c0.22	0.39		c0.08	0.17	0.06	0.04	c0.20	
v/s Ratio Perm			0.09						0.09			
v/c Ratio	0.61	1.21	0.28	1.28	0.96		0.66	0.59	0.32	0.55	0.82	
Uniform Delay, d1	51.4	40.1	30.3	48.0	34.1		48.6	35.1	19.5	51.9	41.7	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	8.9	110.9	0.5	152.5	27.0		8.4	2.0	0.3	5.6	14.0	
Delay (s)	60.3	151.0	30.8	200.5	61.1		57.1	37.1	19.8	57.5	55.6	
Level of Service	E	F	C	F	E		E	D	B	E	E	
Approach Delay (s)		112.9			111.8			32.5			55.9	
Approach LOS		F			F			C			E	

Intersection Summary

HCM 2000 Control Delay	85.0	HCM 2000 Level of Service	F
HCM 2000 Volume to Capacity ratio	1.03		
Actuated Cycle Length (s)	116.3	Sum of lost time (s)	17.3
Intersection Capacity Utilization	97.0%	ICU Level of Service	F
Analysis Period (min)	15		

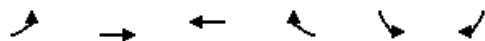
c Critical Lane Group



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	581	447	255	209	326	443
v/c Ratio	1.13	0.47	0.70	0.44	0.71	0.84
Control Delay	112.5	13.2	47.2	7.6	41.9	34.9
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	112.5	13.2	47.2	7.6	41.9	34.9
Queue Length 50th (ft)	~429	148	152	0	184	162
Queue Length 95th (ft)	#673	222	238	57	#310	#357
Internal Link Dist (ft)		446	3361		596	
Turn Bay Length (ft)	250			190		75
Base Capacity (vph)	515	1518	958	923	457	530
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	1.13	0.29	0.27	0.23	0.71	0.84

Intersection Summary




















- ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖	↗	↗	↖	↖	↖
Traffic Volume (vph)	569	438	250	205	319	434
Future Volume (vph)	569	438	250	205	319	434
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)		5%	-5%		-2%	
Total Lost time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Fr _t	1.00	1.00	1.00	0.85	1.00	0.85
Fl _t Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1484	1562	1611	1409	1537	1358
Fl _t Permitted	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	1484	1562	1611	1409	1537	1358
Peak-hour factor, PHF	0.98	0.98	0.98	0.98	0.98	0.98
Adj. Flow (vph)	581	447	255	209	326	443
RTOR Reduction (vph)	0	0	0	162	0	127
Lane Group Flow (vph)	581	447	255	47	326	316
Confl. Peds. (#/hr)						1
Heavy Vehicles (%)	3%	3%	5%	2%	3%	2%
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases				6		4
Actuated Green, G (s)	35.0	60.8	22.8	22.8	30.0	30.0
Effective Green, g (s)	35.0	60.8	22.8	22.8	30.0	30.0
Actuated g/C Ratio	0.35	0.60	0.23	0.23	0.30	0.30
Clearance Time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Vehicle Extension (s)	0.5	0.5	0.5	0.5	0.5	0.5
Lane Grp Cap (vph)	515	942	364	318	457	404
v/s Ratio Prot	c0.39	0.29	c0.16		0.21	
v/s Ratio Perm				0.03		c0.23
v/c Ratio	1.13	0.47	0.70	0.15	0.71	0.78
Uniform Delay, d1	32.9	11.1	35.9	31.2	31.6	32.4
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	79.9	0.1	4.9	0.1	4.4	8.8
Delay (s)	112.8	11.3	40.8	31.3	35.9	41.2
Level of Service	F	B	D	C	D	D
Approach Delay (s)		68.6	36.5		39.0	
Approach LOS		E	D		D	

Intersection Summary

HCM 2000 Control Delay	52.0	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.90		
Actuated Cycle Length (s)	100.8	Sum of lost time (s)	13.0
Intersection Capacity Utilization	83.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Traffic Volume (vph)	99	82	5	75	47	55	1	347	98	98	363	30
Future Volume (vph)	99	82	5	75	47	55	1	347	98	98	363	30
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)	105	87	5	80	50	59	1	369	104	104	386	32
Direction, Lane #	EB 1	WB 1	WB 2	NB 1	SB 1	SB 2						
Volume Total (vph)	197	130	59	474	104	418						
Volume Left (vph)	105	80	0	1	104	0						
Volume Right (vph)	5	0	59	104	0	32						
Hadj (s)	0.12	0.45	-0.55	-0.09	0.55	-0.02						
Departure Headway (s)	8.4	8.8	7.8	7.1	7.7	7.1						
Degree Utilization, x	0.46	0.32	0.13	0.93	0.22	0.83						
Capacity (veh/h)	403	390	435	500	453	492						
Control Delay (s)	18.4	14.7	10.7	51.3	11.7	34.6						
Approach Delay (s)	18.4	13.4		51.3	30.0							
Approach LOS	C	B		F	D							

Intersection Summary

Delay	33.4
Level of Service	D
Intersection Capacity Utilization	80.3% ICU Level of Service D
Analysis Period (min)	15



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔			↔	↔	
Traffic Volume (veh/h)	227	171	163	370	156	80
Future Volume (Veh/h)	227	171	163	370	156	80
Sign Control	Free			Free	Stop	
Grade	-5%			3%	3%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	247	186	177	402	170	87
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			433		1096	340
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			433		1096	340
tC, single (s)			4.1		6.5	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			84		13	88
cM capacity (veh/h)			1116		196	702
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	433	579	257			
Volume Left	0	177	170			
Volume Right	186	0	87			
cSH	1700	1116	259			
Volume to Capacity	0.25	0.16	0.99			
Queue Length 95th (ft)	0	14	242			
Control Delay (s)	0.0	4.0	96.1			
Lane LOS		A	F			
Approach Delay (s)	0.0	4.0	96.1			
Approach LOS			F			
Intersection Summary						
Average Delay			21.3			
Intersection Capacity Utilization			84.2%	ICU Level of Service		E
Analysis Period (min)			15			






















	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↗			↖	↗	
Traffic Volume (veh/h)	435	306	214	358	110	93
Future Volume (Veh/h)	435	306	214	358	110	93
Sign Control	Free			Free	Stop	
Grade	-5%			3%	3%	
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	478	336	235	393	121	102
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			814		1509	646
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			814		1509	646
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			71		0	78
cM capacity (veh/h)			800		93	471
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	814	628	223			
Volume Left	0	235	121			
Volume Right	336	0	102			
cSH	1700	800	147			
Volume to Capacity	0.48	0.29	1.52			
Queue Length 95th (ft)	0	31	377			
Control Delay (s)	0.0	7.0	320.0			
Lane LOS		A	F			
Approach Delay (s)	0.0	7.0	320.0			
Approach LOS			F			
Intersection Summary						
Average Delay			45.5			
Intersection Capacity Utilization			106.8%	ICU Level of Service		G
Analysis Period (min)			15			



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	201	750	146	666	185	535	277	786	247
v/c Ratio	0.88	0.85	0.78	0.83	0.83	0.62	0.94	0.78	0.46
Control Delay	86.5	51.2	79.5	51.7	79.6	43.6	90.1	46.6	14.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	86.5	51.2	79.5	51.7	79.6	43.6	90.1	46.6	14.5
Queue Length 50th (ft)	158	280	116	253	147	205	222	318	40
Queue Length 95th (ft)	#271	#415	182	331	220	270	#389	#490	130
Internal Link Dist (ft)		2539		628		2175		1232	
Turn Bay Length (ft)	300		175		175		150		175
Base Capacity (vph)	263	891	263	842	301	856	304	1008	535
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.76	0.84	0.56	0.79	0.61	0.63	0.91	0.78	0.46

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	195	601	126	142	525	121	179	443	76	269	762	240
Future Volume (vph)	195	601	126	142	525	121	179	443	76	269	762	240
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Total Lost time (s)	3.0	5.0		3.0	5.0		3.0	5.0		3.0	5.0	5.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95		1.00	0.95	1.00
Frbp, ped/bikes	1.00	0.99		1.00	0.99		1.00	1.00		1.00	1.00	0.91
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.97		1.00	0.97		1.00	0.98		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1568	3019		1568	3024		1568	3053		1568	3135	1283
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1568	3019		1568	3024		1568	3053		1568	3135	1283
Peak-hour factor, PHF	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Adj. Flow (vph)	201	620	130	146	541	125	185	457	78	277	786	247
RTOR Reduction (vph)	0	14	0	0	16	0	0	10	0	0	0	123
Lane Group Flow (vph)	201	736	0	146	650	0	185	525	0	277	786	124
Confl. Peds. (#/hr)	24		21	21		24	31		14	14		31
Heavy Vehicles (%)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Turn Type	Prot	NA		Prot	NA		Prot	NA		Prot	NA	Perm
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases												4
Actuated Green, G (s)	18.3	36.0		14.9	32.6		17.9	34.7		23.4	40.2	40.2
Effective Green, g (s)	18.3	36.0		14.9	32.6		17.9	34.7		23.4	40.2	40.2
Actuated g/C Ratio	0.15	0.29		0.12	0.26		0.14	0.28		0.19	0.32	0.32
Clearance Time (s)	3.0	5.0		3.0	5.0		3.0	5.0		3.0	5.0	5.0
Vehicle Extension (s)	1.0	6.0		1.0	6.0		1.0	6.0		1.0	6.0	6.0
Lane Grp Cap (vph)	229	869		186	788		224	847		293	1008	412
v/s Ratio Prot	c0.13	c0.24		0.09	0.21		0.12	0.17		c0.18	c0.25	
v/s Ratio Perm												0.10
v/c Ratio	0.88	0.85		0.78	0.82		0.83	0.62		0.95	0.78	0.30
Uniform Delay, d1	52.3	41.9		53.5	43.5		52.0	39.4		50.2	38.4	31.9
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	28.5	8.9		17.9	8.2		20.4	3.4		37.5	6.0	1.9
Delay (s)	80.7	50.8		71.4	51.7		72.5	42.8		87.7	44.4	33.7
Level of Service	F	D		E	D		E	D		F	D	C
Approach Delay (s)		57.1			55.2			50.4			51.5	
Approach LOS		E			E			D			D	

Intersection Summary

HCM 2000 Control Delay	53.5	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.89		
Actuated Cycle Length (s)	125.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	94.0%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group

Appendix D ODOT Crash Data

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

SE Powell Blvd & SE 174th Ave
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
PEDESTRIAN	0	1	0	1	0	1	0	1	0	1	0	1	0	0
REAR-END	0	3	5	8	0	4	0	7	1	7	1	8	0	0
TURNING MOVEMENTS	0	1	0	1	0	1	0	1	0	1	0	1	0	0
2015 TOTAL	0	5	5	10	0	6	0	9	1	9	1	10	0	0
YEAR: 2014														
ANGLE	0	1	1	2	0	2	0	2	0	1	1	2	0	0
REAR-END	0	4	5	9	0	5	1	6	2	6	3	9	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	1	0	0
2014 TOTAL	0	5	7	12	0	7	1	9	2	8	4	12	0	0
YEAR: 2013														
REAR-END	0	4	4	8	0	8	0	7	0	5	3	8	0	0
SIDESWIPE - OVERTAKING	0	0	1	1	0	0	0	1	0	1	0	1	0	0
TURNING MOVEMENTS	0	1	1	2	0	2	0	2	0	0	1	2	0	0
2013 TOTAL	0	5	6	11	0	10	0	10	0	6	4	11	0	0
YEAR: 2012														
REAR-END	0	4	4	8	0	4	0	7	1	6	2	8	0	0
TURNING MOVEMENTS	0	1	0	1	0	2	0	1	0	1	0	1	0	0
2012 TOTAL	0	5	4	9	0	6	0	8	1	7	2	9	0	0
YEAR: 2011														
FIXED / OTHER OBJECT	0	1	0	1	0	1	0	1	0	0	1	1	0	1
REAR-END	0	5	2	7	0	10	0	6	0	5	2	7	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	0	1	1	0	0
2011 TOTAL	0	6	3	9	0	11	0	8	0	5	4	9	0	1
FINAL TOTAL	0	26	25	51	0	40	1	44	4	35	15	51	0	1

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

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SE Powell Blvd & SE 174th Ave
 January 1, 2011 through December 31, 2015

SER#	S D P R S W E A U C O INVEST E L G H R DAY/TIME UNLOC? D C S L K LAT/LONG	DATE	COUNTY CITY URBAN AREA	RD# FC CMPT/MLG MILEPNT LRS	CONN # FIRST STREET SECOND STREET INTERSECTION SEQ#	INT-TYP RD CHAR (MEDIAN) DIRECT LEGS LOCTN (#LANES)	INT-REL OFFRD WTHR RNDBT SURF COLL TYP CNTL	CRASH TYP TRF SIGNAL N DRY REAR N DAY INJ	SPCL USE TRLR QTY OWNER VEH TYPE	MOVE FROM	PRTC INJ SVRTY	A S G E LICNS PED E X RES LOC ERROR	ACTN EVENT	CAUSE	
09120	N N N	09/02/2013	MULTNOMAH	1 14		INTER CROSS N	N CLR	S-1STOP	01 NONE 0	STRGHT				07	
NONE		Mon 8A	PORTLAND SE	MN 0	SE POWELL BLVD	E	TRF SIGNAL	N DRY REAR	PRVTE	E W			000	00	
No	45 29 32.31 -122 29 4.82		PORTLAND UA	9.87	SE 174TH AVE	06	0	N DAY INJ	PSNGR CAR		01 DRVR NONE	20 M OR-Y	026	000	07
				002600100S00	1								OR<25		
									02 UNKN 0	STOP					
									PRVTE	E W			012	00	
									UNKNOWN		01 DRVR INJC	57 M OR-Y	000	000	00
													OR>25		
											02 PSNG INJC	56 F	000	000	00
											03 PSNG INJC	24 F	000	000	00
											04 PSNG INJC	26 F	000	000	00
											05 PSNG INJC	54 M	000	000	00
12925	N N N	11/19/2015	MULTNOMAH	1 14		INTER CROSS N	N CLD	S-1STOP	01 NONE 0	STRGHT				004 29	
NONE		Thu 6P	PORTLAND SE	MN 0	SE POWELL BLVD	E	TRF SIGNAL	N WET REAR	PRVTE	E W			000	00	
No	45 29 32.31 -122 29 4.82		PORTLAND UA	9.87	SE 174TH AVE	06	0	N DUSK INJ	PSNGR CAR		01 DRVR NONE	33 M OR-Y	026	000	29
				002600100S00	1								OR<25		
									02 NONE 0	STOP					
									PRVTE	E W			011	004 00	
									PSNGR CAR		01 DRVR INJC	59 F OR-Y	000	000	00
													OR<25		
									03 NONE 0	STRGHT					
									PRVTE	E W			022	00	
									PSNGR CAR		01 DRVR INJC	36 F OR-Y	026	000	29
													OR<25		
05850	Y Y N N N	06/08/2011	MULTNOMAH	1 14		INTER CROSS N	Y CLD	FIX OBJ	01 NONE 0	STRGHT				055 01	
CITY		Wed 2A	PORTLAND SE	MN 0	SE POWELL BLVD	SE	TRF SIGNAL	N DRY FIX	UNKN	NW SE			000	055 00	
No	45 29 32.31 -122 29 4.82		PORTLAND UA	9.87	SE 174TH AVE	05	0	N DLIT INJ	PSNGR CAR		01 DRVR INJA	22 F OR-Y	047,080	000	01
				002600100S00	1								OR<25		
00009	N N N	01/01/2011	MULTNOMAH	1 14		INTER CROSS N	N CLR	S-1STOP	01 NONE 0	STRGHT				013 07	
NO RPT		Sat 3P	PORTLAND SE	MN 0	SE POWELL BLVD	SE	TRF SIGNAL	N DRY REAR	PRVTE	SE NW			000	000 00	
No	45 29 32.31 -122 29 4.82		PORTLAND UA	9.87	SE 174TH AVE	06	0	N DAY INJ	PSNGR CAR		01 DRVR NONE	28 M OTH-Y	026	000	07
				002600100S00	1								N-RES		
									02 NONE 0	STOP					
									PRVTE	SE NW			011	013 00	
									PSNGR CAR		01 DRVR INJC	19 F OR-Y	000	000	00
													OR<25		
									03 NONE 0	STOP					
									PRVTE	SE NW			011	013 00	
									PSNGR CAR		01 DRVR NONE	19 M UNK	000	000	00
													OR>25		

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SE Powell Blvd & SE 174th Ave
 January 1, 2011 through December 31, 2015

SER#	E A U C O DATE	COUNTY	RD# FC CONN #	INT-TYP	SPCL USE	MOVE	A S	PED	CAUSE					
INVEST	E L G H R DAY/TIME	CITY	CMPT/MLG FIRST STREET	RD CHAR (MEDIAN)	INT-REL	OFFRD WTHR	CRASH TYP	TRLR QTY	MOVE	PRTC INJ	G E LICNS	LOC ERROR	ACTN EVENT	CAUSE
UNLOC?	D C S L K LAT/LONG	URBAN AREA	MILEPNT SECOND STREET	DIRECT LEGS TRAF-	RNDDBT SURF	COLL TYP	OWNER	FROM	TO	P# TYPE SVRTY	E X RES	LOC ERROR	ACTN EVENT	CAUSE
NO	45 29 32.31 -122 29 4.82		LRS INTERSECTION SEQ#	LOCTN (#LANES)	CNTL	DRVWY LIGHT SVRTY	V# VEH TYPE							
								02 NONE	0 STOP					
								PRVTE	SE NW				011	00
								PSNGR CAR		01 DRVR INJC	44 F OR-Y	000	000	00
											OR<25			
07821	N N N 08/01/2014	MULTNOMAH	1 14	INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT				07
NONE	Fri 2P	PORTLAND SE	MN 0 SE POWELL BLVD	SE	TRF SIGNAL	N DRY	REAR	PRVTE	SE NW				000	00
		PORTLAND UA	9.87 SE 174TH AVE	06	0	N DAY	PDO	PSNGR CAR		01 DRVR NONE	53 M OR-Y	026	000	07
No	45 29 32.31 -122 29 4.82		002600100S00								OR<25			
								02 NONE	0 STOP					
								PRVTE	SE NW				011	00
								PSNGR CAR		01 DRVR NONE	18 F OR-Y	000	000	00
											OR<25			
08301	N N N 08/12/2014	MULTNOMAH	1 14	INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT				07
NO RPT	Tue 11A	PORTLAND SE	MN 0 SE POWELL BLVD	SE	TRF SIGNAL	N DRY	REAR	PRVTE	SE NW				000	00
		PORTLAND UA	9.87 SE 174TH AVE	06	0	N DAY	INJ	PSNGR CAR		01 DRVR NONE	19 F OR-Y	026	000	07
No	45 29 32.31 -122 29 4.82		002600100S00								OR<25			
								02 NONE	0 STOP					
								PRVTE	SE NW				011	00
								PSNGR CAR		01 DRVR INJC	22 F OR-Y	000	000	00
											OR<25			
12809	N N N 11/29/2014	MULTNOMAH	1 14	INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT				07
NONE	Sat 5P	PORTLAND SE	MN 0 SE POWELL BLVD	SE	TRF SIGNAL	N UNK	REAR	PRVTE	SE NW				000	00
		PORTLAND UA	9.87 SE 174TH AVE	06	0	N DUSK	PDO	UNKNOWN		01 DRVR NONE	00 F UNK	026	000	07
No	45 29 32.31 -122 29 4.82		002600100S00								UNK			
								02 NONE	0 STOP					
								PRVTE	SE NW				011	00
								PSNGR CAR		01 DRVR NONE	50 M OR-Y	000	000	00
											OR<25			
02412	N N N 03/07/2015	MULTNOMAH	1 14	INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT				27
NONE	Sat 2P	PORTLAND SE	MN 0 SE POWELL BLVD	SE	TRF SIGNAL	N DRY	REAR	PRVTE	SE NW				000	00
		PORTLAND UA	9.87 SE 174TH AVE	06	0	N DAY	PDO	PSNGR CAR		01 DRVR NONE	57 F OR-Y	026,016	038	27
No	45 29 32.31 -122 29 4.82		002600100S00								OR<25			
								02 NONE	0 STOP					
								PRVTE	SE NW				011	00
								PSNGR CAR		01 DRVR NONE	52 F OR-Y	000	000	00
											OR<25			
07134	N N N 07/06/2015	MULTNOMAH	1 14	INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT				013 29
NONE	Mon 9A	PORTLAND SE	MN 0 SE POWELL BLVD	SE	TRF SIGNAL	N DRY	REAR	PRVTE	SE NW				000	00
		PORTLAND UA	9.87 SE 174TH AVE	06	0	N DAY	PDO	PSNGR CAR		01 DRVR NONE	58 F OR-Y	026	000	29
No	45 29 32.31 -122 29 4.82		002600100S00								UNK			

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

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SE Powell Blvd & SE 174th Ave
 January 1, 2011 through December 31, 2015

SER#	E A U C O DATE	COUNTY	RD# FC	CONN #	INT-TYP	RD CHAR	INT-REL	OFFRD WTHR	CRASH TYP	SPCL USE	MOVE	A S	PRTC INJ		LICNS	PED	ACTN	EVENT	CAUSE	
													G E	X RES						
										02 NONE	0 STOP									
										PRVTE	W E							011	00	
										PSNGR CAR			01	DRVR NONE	32 F	OR-Y	000	000	00	
																OR<25				
12338	N N N 11/15/2014	MULTNOMAH	1 14		INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT								07	
	NONE Sat 12P	PORTLAND SE	MN 0	SE POWELL BLVD	W		TRF SIGNAL	N ICE	REAR	PRVTE	W E								000	00
		PORTLAND UA	9.87	SE 174TH AVE	06	0		N DAY	PDO	PSNGR CAR			01	DRVR NONE	28 M	OR-Y	026	000	07	
No	45 29 32.31 -122 29 4.82		002600100S00													OR<25				
										02 NONE	0 STOP									
										PRVTE	W E								011	00
										PSNGR CAR			01	DRVR NONE	00 M	OR-Y	000	000	00	
																UNK				
02652	N N N 03/13/2015	MULTNOMAH	1 14		INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT								013	29
	NO RPT Fri 4P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR	PRVTE	SE NW								000	00
		PORTLAND UA	9.87	SE 174TH AVE	05	0		N DAY	PDO	PSNGR CAR			01	DRVR NONE	60 M	OR-Y	026	000	29	
No	45 29 32.31 -122 29 4.82		002600100S00													OR<25				
										02 NONE	0 STOP									
										PRVTE	SE NW								011	013
										PSNGR CAR			01	DRVR NONE	24 M	OR-Y	000	000	00	
																OR<25				
										03 NONE	0 STOP									
										PRVTE	SE NW								022	00
										PSNGR CAR			01	DRVR NONE	20 M	OR-Y	000	000	00	
																OR<25				
08703	N N N 08/20/2011	MULTNOMAH	1 14		INTER	CROSS	N	N CLR	S-1STOP	01 NONE	0 STRGHT								013	07
	NO RPT Sat 9P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR	PRVTE	NW SE								000	00
		PORTLAND UA	9.87	SE 174TH AVE	06	0		N DLIT	INJ	PSNGR CAR			01	DRVR NONE	29 F	OR-Y	026	000	07	
No	45 29 32.31 -122 29 4.82		002600100S00													OR<25				
										02 NONE	0 STOP									
										PRVTE	NW SE								011	013
										PSNGR CAR			01	DRVR INJC	43 M	OR-Y	000	000	00	
																OR<25				
													02	PSNG INJC	42 F		000	000	00	
										03 NONE	0 STOP									
										PRVTE	NW SE								011	013
										PSNGR CAR			01	DRVR INJC	60 M	OR-Y	000	000	00	
																OR<25				
										04 NONE	0 STOP									
										PRVTE	NW SE								011	00
										PSNGR CAR			01	DRVR NONE	40 M	OR-Y	000	000	00	
																OR<25				

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
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SE Powell Blvd & SE 174th Ave
January 1, 2011 through December 31, 2015

Table with columns: SER#, INVEST UNLOC?, E A U C O DATE, COUNTY, RD#, FC, CONN #, INT-TYP, RD CHAR (MEDIAN), INT-REL, OFFRD WTHR, CRASH TYP, SPCL USE, MOVE, PRTC, INJ, A S, G E, LICNS, PED, ACTN EVENT, CAUSE. It lists multiple crash incidents with details on location, date, time, road conditions, and outcomes.

026 MT. HOOD

SE Powell Blvd & SE 174th Ave
 January 1, 2011 through December 31, 2015

SER#	E A U C O	DATE	COUNTY	RD# FC	CONN #	INT-TYP	RD CHAR	(MEDIAN)	INT-REL	OFFRD	WTHR	CRASH TYP	SPCL USE		MOVE	PRTC	INJ	A S	G E	LICNS	PED	ACTN	EVENT	CAUSE
													TRLR QTY	OWNER										
INVEST	E L G H R	DAY/TIME	CITY	MILEPNT	FIRST STREET	DIRECT	LEGS	TRAF-	RNDBT	SURF	COLL TYP	V#	VEH TYPE											
UNLOC?	D C S L K	LAT/LONG	URBAN AREA	LRs	INTERSECTION SEQ#	LOCTN	(#LANES)	CNTL	DRVWY	LIGHT	SVRTY													
09158	N N N	08/24/2012	MULTNOMAH	1 14		INTER	CROSS	N		N CLR	S-1STOP	01	NONE	0	STRGHT									07
NONE		Fri 3P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR			PRVTE		NW SE							000		00
			PORTLAND UA	9.87	SE 174TH AVE	06	0		N DAY	INJ			PSNGR CAR			01	DRVR	NONE	19	F	OR-Y	026	000	07
No	45 29 32.31	-122 29 4.82		002600100S00		1																		OR>25
													02	NONE	0	STOP							011	00
													PRVTE		NW SE									
													PSNGR CAR			01	DRVR	INJC	25	F	UNK	000	000	00
																								OR>25
05973	N Y N N N	06/16/2013	MULTNOMAH	1 14		INTER	CROSS	N		N CLR	S-1STOP	01	NONE	0	STRGHT									07
CITY		Sun 5P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR			UNKN		NW SE							000		00
			PORTLAND UA	9.87	SE 174TH AVE	06	0		N DAY	INJ			PSNGR CAR			01	DRVR	NONE	31	M	OR-Y	026	000	07
No	45 29 32.31	-122 29 4.82		002600100S00		1																		OR<25
													02	NONE	0	STOP							011	00
													PRVTE		NW SE									
													PSNGR CAR			01	DRVR	INJC	78	M	OR-Y	000	000	00
																								OR<25
10823	N N N	10/08/2013	MULTNOMAH	1 14		INTER	CROSS	N		N UNK	S-1STOP	01	NONE	0	STRGHT									07
NONE		Tue 7P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N UNK	REAR			PRVTE		NW SE							000		00
			PORTLAND UA	9.87	SE 174TH AVE	06	0		N DLIT	PDO			PSNGR CAR			01	DRVR	NONE	33	M	OR-Y	026	000	07
No	45 29 32.31	-122 29 4.82		002600100S00		1																		OR<25
													02	NONE	0	STOP							011	00
													PRVTE		NW SE									
													PSNGR CAR			01	DRVR	NONE	32	F	OR-Y	000	000	00
																								OR<25
12538	N N N	11/18/2013	MULTNOMAH	1 14		INTER	CROSS	N		N CLR	S-1STOP	01	NONE	0	STRGHT									07
NONE		Mon 5P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR			PRVTE		NW SE							000		00
			PORTLAND UA	9.87	SE 174TH AVE	06	0		N DUSK	PDO			PSNGR CAR			01	DRVR	NONE	65	F	OR-Y	026	000	07
No	45 29 32.31	-122 29 4.82		002600100S00		1																		OR<25
													02	NONE	0	STOP							011	00
													PRVTE		NW SE									
													PSNGR CAR			01	DRVR	NONE	42	M	OR-Y	000	000	00
																								OR<25
00547	N N N	01/18/2014	MULTNOMAH	1 14		INTER	CROSS	N		N CLR	S-1STOP	01	NONE	0	STRGHT									07
NONE		Sat 5P	PORTLAND SE	MN 0	SE POWELL BLVD	NW		TRF SIGNAL	N DRY	REAR			UNKN		NW SE							000		00
			PORTLAND UA	9.87	SE 174TH AVE	06	0		N DLIT	INJ			SEMI TOW			01	DRVR	NONE	00	F	OR-Y	026	000	07
No	45 29 32.31	-122 29 4.82		002600100S00		1																		OR<25
													02	NONE	0	STOP							011	00
													PRVTE		NW SE									
													PSNGR CAR			01	DRVR	NONE	61	M	OR-Y	000	000	00
																								OR<25
																02	PSNG	INJC	63	F		000	000	00

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

026 MT. HOOD

SE Powell Blvd & SE 174th Ave
January 1, 2011 through December 31, 2015

Table with columns: SER#, UNLOC?, S, D, P, R, S, W, E, A, U, C, O, DATE, COUNTY, CITY, URBAN AREA, RD#, FC, CONN #, CMPT/MLG, MILEPNT, FIRST STREET, SECOND STREET, INTERSECTION SEQ#, RD CHAR, DIRECT, INT-TYP, INT-REL, LEGS, TRAF, RND, DBT, SURF, OFFRD, WTHR, CRASH TYP, COLL TYP, SVRTY, SPCL USE, TRLR QTY, OWNER, MOVE, FROM, PRTC, INJ, SVRTY, A, S, G, E, LICNS, PED, LOC, ERROR, ACTN, EVENT, CAUSE. Contains multiple rows of crash data for intersection 002600100S00.

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNE D 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 OR DISABLED
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	PURSUI NG OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED RO
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHIN
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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	JACKNIFE	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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	IRRL PVMT	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

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

SE 174th Ave from Powell Blvd to SE Circle Ave
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
REAR-END	0	1	0	1	0	3	0	1	0	0	1	0	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	0	0	0
2015 TOTAL	0	1	1	2	0	3	0	2	0	1	1	0	0	0
YEAR: 2014														
BACKING	0	1	0	1	0	1	0	1	0	1	0	0	1	0
FIXED / OTHER OBJECT	0	1	0	1	0	1	0	0	1	1	0	0	0	1
TURNING MOVEMENTS	0	0	2	2	0	0	0	0	1	0	2	0	0	0
2014 TOTAL	0	2	2	4	0	2	0	1	2	2	2	0	1	1
YEAR: 2013														
HEAD-ON	0	0	1	1	0	0	0	0	1	1	0	0	0	0
NON-COLLISION	0	0	1	1	0	0	0	1	0	0	1	0	0	1
REAR-END	0	1	2	3	0	4	0	2	0	3	0	0	0	0
SIDESWIPE - MEETING	0	1	0	1	0	1	0	0	1	0	1	0	0	0
TURNING MOVEMENTS	0	0	3	3	0	0	0	3	0	2	1	0	0	0
2013 TOTAL	0	2	7	9	0	5	0	6	2	6	3	0	0	1
YEAR: 2012														
FIXED / OTHER OBJECT	0	1	1	2	0	3	0	2	0	1	1	0	0	2
TURNING MOVEMENTS	0	2	1	3	0	2	0	1	2	1	2	1	0	0
2012 TOTAL	0	3	2	5	0	5	0	3	2	2	3	1	0	2
YEAR: 2011														
PEDESTRIAN	0	1	0	1	0	1	0	1	0	1	0	0	0	0
REAR-END	0	1	0	1	0	1	0	1	0	1	0	0	0	0
TURNING MOVEMENTS	0	0	2	2	0	0	0	0	2	1	1	0	0	0
2011 TOTAL	0	2	2	4	0	2	0	2	2	3	1	0	0	0
FINAL TOTAL	0	10	14	24	0	17	0	14	8	14	10	1	1	4

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNT 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 OR DISABLED
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	PURSUIT OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED RO
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHIN
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	IRRL PVMT	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

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

SE Jenne Rd from Circle Ave to McKinley Rd
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
FIXED / OTHER OBJECT	0	1	1	2	0	2	0	1	1	0	2	0	0	2
HEAD-ON	0	1	0	1	0	2	0	0	1	1	0	0	0	0
REAR-END	0	2	1	3	0	3	0	3	0	3	0	0	0	0
2015 TOTAL	0	4	2	6	0	7	0	4	2	4	2	0	0	2
YEAR: 2014														
FIXED / OTHER OBJECT	0	1	0	1	0	2	0	1	0	0	1	0	0	1
HEAD-ON	0	1	0	1	0	3	0	0	1	1	0	0	0	0
2014 TOTAL	0	2	0	2	0	5	0	1	1	1	1	0	0	1
YEAR: 2013														
FIXED / OTHER OBJECT	0	1	1	2	0	1	0	1	1	1	1	0	0	2
REAR-END	0	4	2	6	0	6	0	5	1	6	0	1	0	0
SIDESWIPE - MEETING	0	2	2	4	0	2	0	3	1	3	1	0	0	0
2013 TOTAL	0	7	5	12	0	9	0	9	3	10	2	1	0	2
YEAR: 2012														
FIXED / OTHER OBJECT	0	2	1	3	0	2	0	2	1	3	0	0	0	3
HEAD-ON	0	1	0	1	0	2	0	0	1	1	0	0	0	0
REAR-END	0	3	1	4	0	4	0	3	1	3	1	0	0	0
2012 TOTAL	0	6	2	8	0	8	0	5	3	7	1	0	0	3
YEAR: 2011														
FIXED / OTHER OBJECT	0	2	2	4	0	3	0	3	1	2	2	0	0	4
HEAD-ON	0	2	0	2	0	3	0	1	1	0	2	0	0	0
NON-COLLISION	0	1	0	1	0	1	0	0	1	0	1	0	0	1
REAR-END	0	7	2	9	0	14	0	7	1	6	3	0	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	0	1	1	0	0	0	0
2011 TOTAL	0	12	5	17	0	21	0	11	5	9	8	0	0	5
FINAL TOTAL	0	31	14	45	0	50	0	30	14	31	14	1	0	13

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
 COUNTY ROAD CRASH LISTING

MULTNOMAH COUNTY

SE Jenne Rd from Circle Ave to McKinley Rd
 January 1, 2011 through December 31, 2015

SER#	E A U C O DATE	MILEPNT	FIRST STREET	RD CHAR	INT-TYP	INT-REL	OFF-RD	WTHR	CRASH TYP	SPCL USE	MOVE	A S	ACTN	EVENT	CAUSE								
INVEST	E L G H R DAY/TIME	DIST FROM	SECOND STREET	DIRECT	(MEDIAN)	TRAF-	RNDBT	SURF	COLL TYP	TRLR QTY	OWNER	PRTC INJ	G E LICNS	PED									
UNLOC?	D C S L K LAT/LONG	INTERSECT	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	VEH TYPE	TO	P#	TYPE	SVRTY	E X RES	LOC	ERROR					
										02 NONE	0	STRGHT											
										UNKN	NE SW									000	00		
										PSNGR CAR		01 DRVR	INJB	37 M	OR-Y	000			000	000	00		
															OR<25								
09175	N N N N N 9/5/2014		SE JENNE RD	ALLEY		N	Y	CLR	FIX OBJ	01 NONE	0	TURN-L									079,010,121	08,32	
COUNTY	Fri 1A 137		SE CIRCLE AVE	N	(NONE)	UNKNOWN	N	DRY	FIX	PRVTE	W N									018	079,010,121	00	
No	45 29 6.88 -122 29 6.59		1	01			N	DARK	INJ	PSNGR CAR		01 DRVR	INJB	25 M	NONE	001,052			000	000	00	08,32	
						(02)									OR<25								
												02 PSNG	INJC	28 M		000			000	000	00	00	
03116	N Y N N N 3/27/2013		SE JENNE RD	STRGHT		N	N	CLR	O-STRGHT	01 NONE	0	STRGHT										05	
CITY	Wed 6P 70		SE CIRCLE AVE	N	(NONE)	UNKNOWN	N	DRY	SS-M	PRVTE	N S									000	000	00	
No	45 29 9.25 -122 29 6.26		1	05		0	N	DAY	PDO	PSNGR CAR		01 DRVR	NONE	56 M	OR-Y	044			000	000	00	05	
						(02)									OR<25								
										02 NONE	0	STRGHT											
										PRVTE	S N										000	00	
										PSNGR CAR		01 DRVR	NONE	22 F	OR-Y	000			000	000	00	00	
															OR<25								
11993	Y N N N N 11/8/2011		SE JENNE RD	STRGHT		N	Y	CLR	FIX OBJ	01 NONE	0	STRGHT										066	30
COUNTY	Tue 7A 60		SE CIRCLE AVE	N	(NONE)	UNKNOWN	N	DRY	FIX	PRVTE	N S									000	066	00	
No	45 29 8.95 -122 29 6.38		1	07		0	N	DAY	INJ	PSNGR CAR		01 DRVR	INJB	24 F	OR-Y	050,080			000	000	00	30	
						(02)									OR>25								
												02 PSNG	INJB	36 M		000			000	000	00	00	
11775	Y N Y N N 11/3/2013		SE JENNE RD	CURVE		N	Y	RAIN	FIX OBJ	01 NONE	0	STRGHT										053	01
CITY	Sun 1A 10		SE CIRCLE AVE	S	(NONE)	NONE	N	WET	FIX	PRVTE	NE SW									000	053	00	
No	45 29 3.39 -122 29 6.71		1	01			N	DARK	INJ	PSNGR CAR		01 DRVR	INJB	20 M	SUSP	047,080			017	000	000	01	
						(02)									OR<25								
07871	N N N 7/25/2012		SE JENNE RD	CURVE		N	Y	CLR	FIX OBJ	01 NONE	0	STRGHT										079,037,001	10
COUNTY	Wed 8A 515		SE CIRCLE AVE	S	(NONE)	NONE	N	DRY	FIX	PRVTE	S N									000	079,037	00	
No	45 29 3.00 -122 29 6.93		1	01		0	N	DAY	INJ	MTRCYCLE		01 DRVR	INJA	00 M	OR-Y	080			000	001	000	10	
						(02)									OR<25								
00967	N N N 1/29/2011		SE JENNE RD	STRGHT		N	N	CLR	S-1STOP	01 NONE	0	STRGHT										004	07
NONE	Sat 12P 1		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	DRY	REAR	PRVTE	S N									000	000	00	
No	45 29 7.87 -122 29 6.57		1	03		0	N	DAY	INJ	PSNGR CAR		01 DRVR	NONE	28 F	OR-Y	026			000	000	00	07	
						(02)									OR<25								
										02 NONE	0	STOP										011	004
										PRVTE	S N										000	000	00
										PSNGR CAR		01 DRVR	INJC	24 F	OR-Y	000			000	000	00	00	
															OR<25								
11940	N N N 10/29/2012		SE JENNE RD	STRGHT		N	N	CLR	S-1STOP	01 NONE	0	STRGHT										004	07
NO RPT	Mon 4P 1		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	DRY	REAR	PRVTE	S N									000	000	00	
No	45 29 7.28 -122 29 6.58		1	03		0	N	DAY	INJ	PSNGR CAR		01 DRVR	NONE	23 M	OTH-Y	026			000	000	00	07	
						(02)									N-RES								

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
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MULTNOMAH COUNTY

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 January 1, 2011 through December 31, 2015

SER#	E A U C O DATE	MILEPNT	FIRST STREET	RD CHAR	INT-TYP	INT-REL	OFF-RD	WTHR	CRASH TYP	SPCL USE	MOVE	A S	PRTC INJ	G E LICNS PED	ACTN	EVENT	CAUSE				
INVEST	E L G H R DAY/TIME	DIST FROM	SECOND STREET	DIRECT	(MEDIAN)	TRAF-	RNDBT	SURF	COLL TYP	TRLR QTY	OWNER	FROM	P#	TYPE SVRTY	E X RES	LOC	ERROR				
UNLOC?	D C S L K LAT/LONG	INTERSECT	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	VEH TYPE	TO									
13927	NNNNN 12/22/2013		SE JENNE RD	STRGHT		N	N	CLR	O-STRGHT	01	NONE	0	STRGHT								
COUNTY	Sun 1P 11		SE CIRCLE AVE	S	(NONE)	NONE	N	WET	SS-M		PRVTE	S N					000				
No	45 29 2.67 -122 29 7.25	1		05			N	DAY	PDO		PSNGR CAR		01	DRVR	NONE	20	F OR-Y	080,039	000	005	
					(02)													OR<25			
										02	NONE	0	STRGHT					000		000	000
											PRVTE	N S						OR<25			000
											PSNGR CAR		01	DRVR	NONE	20	F OR-Y	000	000	000	000
																		OR<25			000
08927	NNNNN 8/25/2011		SE JENNE RD	STRGHT		N	N	CLR	S-1STOP	01	UNKN	0	STRGHT								
NONE	Thu 4P 20		SE CIRCLE AVE	S	(NONE)	REG-SIGN	N	DRY	REAR		UNKN	N S									
No	45 29 8.12 -122 29 6.57	1		05		0	N	DAY	INJ		UNKNOWN		01	DRVR	NONE	00	U UNK	026	000	000	007
					(02)													UNK			000
										02	NONE	0	STOP								011
											PRVTE	N S						OR<25			000
											PSNGR CAR		01	DRVR	INJB	19	F OR-Y	000	000	000	000
																		OR<25			000
										03	NONE	0	STOP								011
											PRVTE	N S						OR<25			000
											PSNGR CAR		01	DRVR	INJC	35	F OR-Y	000	000	000	000
																		OR<25			000
11933	YNNNN 10/30/2015		SE JENNE RD	CURVE		N	N	RAIN	O-STRGHT	01	NONE	0	STRGHT								
COUNTY	Fri 12P 475		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	WET	HEAD		PRVTE	S N									
No	45 29 3.63 -122 29 6.63	1		05			N	DAY	INJ		PSNGR CAR		01	DRVR	INJB	22	F OR-Y	047,044	000	000	005,01
					(02)													OR<25			000
										02	NONE	0	STRGHT								000
											PRVTE	N S						OR<25			000
											PSNGR CAR		01	DRVR	INJB	39	M OR-Y	000	000	000	000
																		OR<25			000
08955	NNNNN 9/30/2014		SE JENNE RD	CURVE		N	N	RAIN	O-STRGHT	01	NONE	0	STRGHT								
COUNTY	Tue 1P 520		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	WET	HEAD		PRVTE	N S									
No	45 29 2.99 -122 29 6.94	1		05		0	N	DAY	INJ		PSNGR CAR		01	DRVR	INJA	49	M OR-Y	080	000	000	010
					(02)													OR<25			000
										02	PSNG	INJA	49	M				OR<25			000
																		OR<25			000
										02	NONE	0	STRGHT								000
											PRVTE	S N						OR<25			000
											PSNGR CAR		01	DRVR	INJA	55	M OR-Y	000	000	000	000
																		OR<25			000
06849	NNN 7/5/2011		SE JENNE RD	STRGHT		N	N	CLR	S-1STOP	01	NONE	0	STRGHT								
CITY	Tue 2P 50		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	DRY	REAR		PRVTE	S N									
No	45 29 7.84 -122 29 6.57	1		06		0	N	DAY	INJ		PSNGR CAR		01	DRVR	NONE	65	M OR-Y	026	000	000	007
					(02)													OR<25			000

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SER#	E A U C O DATE	MILEPNT	FIRST STREET	RD CHAR	INT-TYP	INT-REL	OFF-RD	WTHR	CRASH TYP	SPCL USE	MOVE	A S	PRTC INJ	G E LICNS PED	ACTN	EVENT	CAUSE
INVEST	E L G H R DAY/TIME	DIST FROM	SECOND STREET	DIRECT	(MEDIAN)	LEGS TRAF-	RNDBT	SURF	COLL TYP	TRLR QTY	OWNER	FROM	P#	TYPE SVRTY	E X RES	LOC	ERROR
UNLOC?	D C S L K LAT/LONG	INTERSECT	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	VEH TYPE	TO					
										02 NONE	0 STOP						
										PRVTE	S N					011 004	00
										PSNGR CAR			01	DRVR NONE	79 M OR-Y	000	000
														OR<25			
													02	PSNG INJC	09 M	000	000
09288	N N N N N 9/4/2011		SE JENNE RD	STRGHT		N	N	CLR	S-1STOP	01 NONE	0 STRGHT					013	07
COUNTY	Sun 5P 50		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	DRY	REAR	PRVTE	S N					000	00
No	45 29 7.84 -122 29 6.57	1		06	0		N	DAY	INJ	PSNGR CAR			01	DRVR NONE	55 M OR-Y	026	000
						(02)								OR<25			07
										02 NONE	0 STOP						
										PRVTE	S N					011 013	00
										PSNGR CAR			01	DRVR NONE	20 M OR-Y	000	000
														OR<25			00
													02	PSNG INJC	12 M	000	000
																	00
										03 NONE	0 STOP						
										PRVTE	S N					011	00
										PSNGR CAR			01	DRVR NONE	38 F OR-Y	000	000
														OR<25			00
													02	PSNG INJC	32 F	000	000
													03	PSNG INJC	03 F	000	000
													04	PSNG INJC	78 F	000	000
05680	Y Y N N N 6/5/2011		SE JENNE RD	STRGHT		N	Y	CLR	FIX OBJ	01 NONE	0 STRGHT					079,088	01
COUNTY	Sun 1A 300		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	DRY	FIX	PRVTE	S N					000 079,088	00
No	45 29 5.35 -122 29 6.61	1		06	0		N	DLIT	PDO	PSNGR CAR			01	DRVR NONE	36 M SUSP	047,080	000
						(02)								OR<25			01
01984	Y N N N N 3/1/2013		SE JENNE RD	CURVE		N	Y	CLR	FIX OBJ	01 NONE	0 STRGHT					079	32,01
COUNTY	Fri 10A 10		SE CIRCLE AVE	S	(NONE)	NONE	N	DRY	FIX	PRVTE	NE SW					000 079	00
No	45 29 3.22 -122 29 6.80	1		07			N	DAY	PDO	PSNGR CAR			01	DRVR NONE	20 M OR-Y	052,080	017
						(02)								OR<25			32,01
13072	N N N 12/1/2011		SE JENNE RD	STRGHT		N	N	UNK	S-1STOP	01 UNKN	0 STRGHT					004	07
NONE	Thu 4P 100		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	UNK	REAR	UNKN	N S					000	00
No	45 29 7.37 -122 29 6.58	1		07	0		N	DUSK	PDO	UNKNOWN			01	DRVR NONE	00 M OR-Y	026	000
						(02)								OR<25			07
										02 NONE	0 STOP						
										PRVTE	N S					011 004	00
										PSNGR CAR			01	DRVR NONE	39 M OR-Y	000	000
														OR<25			00
05556	Y N N N N 5/24/2012		SE JENNE RD	STRGHT		N	Y	RAIN	FIX OBJ	01 NONE	0 STRGHT					088	32,01
CITY	Thu 8A 240		SE CIRCLE AVE	S	(NONE)	UNKNOWN	N	WET	FIX	PRVTE	S N					000 088	00
No	45 29 5.72 -122 29 6.60	1		07	0		N	DAY	PDO	PSNGR CAR			01	DRVR NONE	35 F OR-Y	052,047,080	000
						(02)								OR>25			32,01

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INVEST	E L G H R DAY/TIME	DIST FROM	SECOND STREET	DIRECT	LEGS	TRAF-	RNDBT SURF	COLL TYP	OWNER	FROM								
UNLOC?	D C S L K LAT/LONG	INTERSECT	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY LIGHT	SVRTY	V#	VEH TYPE	TO	P#	TYPE SVRTY	E X RES	LOC ERROR			
												02	PSNG INJC	21	M	000	000	00

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNE D 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 OR DISABLED
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	PURSUI NG OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED RO
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHIN
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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	JACKNIFE	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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

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

SE Jenne Rd between SE McKinley Rd and SE Foster Rd
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
REAR-END	0	2	1	3	0	2	0	2	0	3	0	0	1	0
2015 TOTAL	0	2	1	3	0	2	0	2	0	3	0	0	1	0
YEAR: 2013														
FIXED / OTHER OBJECT	0	1	0	1	0	1	0	0	1	0	1	0	0	1
2013 TOTAL	0	1	0	1	0	1	0	0	1	0	1	0	0	1
YEAR: 2012														
REAR-END	0	0	1	1	0	0	0	0	1	1	0	0	0	0
2012 TOTAL	0	0	1	1	0	0	0	0	1	1	0	0	0	0
YEAR: 2011														
FIXED / OTHER OBJECT	0	1	0	1	0	1	0	1	0	0	1	0	0	1
REAR-END	0	0	1	1	0	0	0	0	0	1	0	0	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	0	1	0	1	0	0	1
2011 TOTAL	0	1	2	3	0	1	0	1	1	1	2	0	0	2
FINAL TOTAL	0	4	4	8	0	4	0	3	3	5	3	0	1	3

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

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

CITY OF PORTLAND SE, MULTNOMAH COUNTY

SE Jenne Rd between SE McKinley Rd and SE Foster Rd
January 1, 2011 through December 31, 2015

SER# INVEST UNLOC?	S D		DATE	FC	CITY STREET		RD CHAR	INT-TYP (MEDIAN) LEGS (#LANES)	INT-REL TRAF- CONTL	OFF-RD RDNBT DRVWY	WTHR SURF LIGHT	CRASH TYP COLL TYP SVRTY	SPCL USE		MOVE FROM TO	P#	PRTC TYPE	INJ SVRTY	A S		PED LOC ERROR	ACTN EVENT	CAUSE	
	E A U C O	P R S W			FIRST STREET	SECOND STREET							INTERSECTION SEQ #	LOCTN					TRLR QTY OWNER	VEH TYPE				E X
03278 NONE No	N N N		03/26/2015	16	SE JENNE RD	SE FOSTER RD	ALLEY	(NONE)	N		CLR	S-1STOP	01	NONE	0	STRGHT							07	
			Thu 6P 80				NE	(NONE)	UNKNOWN		DRY	REAR		UNKN		SW NE						000	00	
	45	28	27.31	-122 29 39.08	1		07	0			DAY	PDO		PSNGR CAR			01	DRVR	NONE	00	F OR-Y OR<25	026	000	07
								(02)					02	NONE	0	STOP						011	00	
														PRVTE		SW NE						000	00	
														PSNGR CAR			01	DRVR	NONE	25	F OR-Y OR<25	000	000	00
13795 NONE No	N N N		12/19/2011	17	SE JENNE RD	SE FOSTER RD	ALLEY	(NONE)	N		CLR	ANGL-OTH	01	NONE	0	TURN-L							08	
			Mon 8P 100				NE	(NONE)	UNKNOWN		WET	TURN		PRVTE		NE SE						019	00	
	45	28	27.09	-122 29 39.24	1		07	0			DARK	PDO		PSNGR CAR			01	DRVR	NONE	17	M OR-Y OR<25	002	000	08
								(02)					02	NONE	0	TURN-R						018	00	
														PRVTE		SE NE						000	000	00
														PSNGR CAR			01	DRVR	NONE	46	M OR-Y OR<25	000	000	00
11438 NONE No	N N N	Y	10/25/2011	17	SE JENNE RD	SE FOSTER RD	STRGHT	(NONE)	N		UNK	S-1STOP	01	NONE	0	STRGHT							013	07
			Tue 4P 300				NE	(NONE)	NONE		UNK	REAR		PRVTE		SW NE						000	00	
	45	28	28.70	-122 29 38.12	1		07				DAY	PDO		PSNGR CAR			01	DRVR	NONE	17	M OR-Y OR<25	026	000	07
								(02)					02	NONE	0	STOP						011	013	00
														PRVTE		SW NE						000	000	00
														UNKNOWN			01	DRVR	NONE	00	F UNK UNK	000	000	00
													03	UNKN	0	STOP						022	00	
														UNKN		SW NE						000	000	00
														UNKNOWN			01	DRVR	NONE	00	U UNK UNK	000	000	00
06810 NO RPT No	N N N		06/18/2015	16	SE JENNE RD	SE FOSTER RD	STRGHT	(NONE)	Y		UNK	S-1STOP	01	NONE	0	STRGHT							29,40	
			Thu 5P 60				NE	(NONE)	UNKNOWN		UNK	REAR		PRVTE		NE SW						000	00	
	45	28	26.98	-122 29 39.31	1		08				DAY	INJ		PSNGR CAR			01	DRVR	INJC	82	M OR-Y OR<25	026	026	29,40
								(02)					02	UNKN	0	STOP						011	00	
														UNKN		NE SW						000	000	00
														UNKNOWN			01	DRVR	NONE	00	U UNK UNK	000	000	00
06710 NONE No	N N N		06/25/2012	17	SE JENNE RD	SE FOSTER RD	STRGHT	(NONE)	N		RAIN	S-1STOP	01	NONE	0	STRGHT							07	
			Mon 3P 150				NE	(NONE)	NONE		WET	REAR		PRVTE		NE SW						000	00	
	45	28	27.55	-122 29 38.91	1		08				DAY	PDO		PSNGR CAR			01	DRVR	NONE	65	M OR-Y OR<25	026	000	07
								(02)					02	NONE	0	STOP						011	00	
														PRVTE		NE SW						000	000	00
														PSNGR CAR			01	DRVR	NONE	45	F OR-Y OR<25	000	000	00

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNE D 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 OR DISABLED
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	PURSUIT OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED ROAD
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHING
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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	JACKNIFE	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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

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

SE Foster Rd & SE Jenne Rd
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
REAR-END	0	0	1	1	0	0	0	1	0	1	0	1	0	0
2015 TOTAL	0	0	1	1	0	0	0	1	0	1	0	1	0	0
YEAR: 2014														
FIXED / OTHER OBJECT	0	1	1	2	0	1	0	2	0	1	1	2	0	2
2014 TOTAL	0	1	1	2	0	1	0	2	0	1	1	2	0	2
YEAR: 2013														
TURNING MOVEMENTS	0	1	0	1	0	1	0	1	0	0	1	1	0	0
2013 TOTAL	0	1	0	1	0	1	0	1	0	0	1	1	0	0
YEAR: 2012														
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
2012 TOTAL	0	1	1	2	0	1	0	2	0	2	0	2	0	0
YEAR: 2011														
REAR-END	0	2	0	2	0	2	0	2	0	2	0	2	0	0
2011 TOTAL	0	2	0	2	0	2	0	2	0	2	0	2	0	0
FINAL TOTAL	0	5	3	8	0	5	0	8	0	6	2	8	0	2

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

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

CITY OF PORTLAND SE, MULTNOMAH COUNTY

SE Foster Rd & SE Jenne Rd
January 1, 2011 through December 31, 2015

SER#	INVEST	UNLOC?	S P E D C S L K	D R S W O C H R L K	DATE DAY/TIME LAT/LONG	FC DISTNC	CITY STREET FIRST STREET SECOND STREET INTERSECTION SEQ #	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (#LANES)	INT-REL TRAF- CONTL	OFF-RD RDNBT DRVWY	WTHR SURF LIGHT	CRASH TYP COLL TYP SVRTY	SPCL USE TRLR QTY OWNER V#	MOVE FROM TO	P#	PRTC TYPE	INJ SVRTY	A G E E X RES	S LICNS PED LOC	ERROR	ACTN	EVENT	CAUSE					
																									VEH TYPE	VEH TYPE	VEH TYPE	VEH TYPE	VEH TYPE
00790	NONE	No	N	N	N	01/24/2011 Mon 4P -122 29 39.84	16	SE FOSTER RD SE JENNE RD 1	INTER W 06	3-LEG N 0	N	N	CLR DRY DAY	S-1STOP REAR INJ	01 NONE 0 PSNGR CAR	0 STRGHT NW SE	01	DRVR	NONE	40	M	OR-Y OR<25	026	000	000	07	00	07	
														02	NONE	0	STOP PRVTE NW SE									011	00	00	
																	01	DRVR	INJC	31	M	OR-Y OR<25	000	000		000	00		
02921	NONE	No	N	N	N	03/26/2011 Sat 2P -122 29 39.84	16	SE FOSTER RD SE JENNE RD 1	INTER W 06	3-LEG N 0	N	N	CLR DRY DAY	S-1STOP REAR INJ	01 NONE 0 PSNGR CAR	0 STRGHT W E	01	DRVR	NONE	25	M	OR-Y OR<25	026	000	000	07	00	07	
																										012	00	00	
																	01	DRVR	INJC	37	F	OR-Y OR<25	000	000		000	00		
06095	NO RPT	No	N	N	N	06/19/2013 Wed 12A -122 29 39.85	16	SE FOSTER RD SE JENNE RD 1	INTER CN 04	3-LEG N 0	N	N	CLR DRY DLIT	ANGL-OTH TURN INJ	01 NONE 0 UNKNOWN	0 TURN-L NE E	01	DRVR	NONE	00	U	UNK UNK	028	000	000	02	00	02	
																											000	00	00
																	01	DRVR	INJB	31	M	OR-Y OR<25	000	000		000	00		

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
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 OR DISABLED
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	PURSUIT OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED RO
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHIN
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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	JACKNIFE	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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
 CRASH SUMMARIES BY YEAR BY COLLISION TYPE
 SE Foster Rd between SE Jenne Rd and SE 172nd Ave
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
SIDESWIPE - MEETING	0	1	0	1	0	1	0	0	1	0	1	0	0	0
TURNING MOVEMENTS	0	1	2	3	0	2	0	2	1	1	2	0	0	0
2015 TOTAL	0	2	2	4	0	3	0	2	2	1	3	0	0	0
YEAR: 2014														
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	0	0	0
2014 TOTAL	0	0	1	1	0	0	0	1	0	1	0	0	0	0
YEAR: 2013														
NON-COLLISION	0	0	1	1	0	0	0	1	0	1	0	0	0	1
REAR-END	0	2	0	2	0	3	0	2	0	2	0	0	0	0
2013 TOTAL	0	2	1	3	0	3	0	3	0	3	0	0	0	1
YEAR: 2012														
FIXED / OTHER OBJECT	0	1	0	1	0	1	0	0	1	0	1	0	0	1
REAR-END	0	2	0	2	0	3	0	2	0	2	0	0	0	0
2012 TOTAL	0	3	0	3	0	4	0	2	1	2	1	0	0	1
YEAR: 2011														
FIXED / OTHER OBJECT	0	0	2	2	0	0	0	0	1	0	2	0	0	2
TURNING MOVEMENTS	0	1	1	2	0	1	0	0	1	1	1	0	0	0
2011 TOTAL	0	1	3	4	0	1	0	0	2	1	3	0	0	2
FINAL TOTAL	0	8	7	15	0	11	0	8	5	8	7	0	0	4

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNE D 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 OR DISABLED
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	PURSUI NG OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED ROAD
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHING
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CRASH SUMMARIES BY YEAR BY COLLISION TYPE
SE Giese Rd & SE 190th Ave / SW Pleasant View Dr
January 1, 2011 through December 31, 2015

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

TOTAL

FINAL TOTAL

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

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

SE 190th Dr from SE Giese Rd to SE Tillstrom Rd
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
ANGLE	0	0	1	1	0	0	0	0	1	1	0	1	0	0
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	1	0	0
2015 TOTAL	0	0	2	2	0	0	0	1	1	2	0	2	0	0
YEAR: 2014														
TURNING MOVEMENTS	0	2	1	3	0	3	0	3	0	2	1	3	0	0
2014 TOTAL	0	2	1	3	0	3	0	3	0	2	1	3	0	0
YEAR: 2013														
TURNING MOVEMENTS	0	1	0	1	0	2	0	0	1	1	0	1	0	0
2013 TOTAL	0	1	0	1	0	2	0	0	1	1	0	1	0	0
FINAL TOTAL	0	3	3	6	0	5	0	4	2	5	1	6	0	0

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

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

CITY OF GRESHAM, MULTNOMAH COUNTY

SE 190th Dr from SE Giese Rd to SE Tillstrom Rd
 January 1, 2011 through December 31, 2015

SER#	INVEST	UNLOC?	S	D	P	R	S	W	CITY STREET	RD CHAR	INT-TYP	INT-REL	OFF-RD	WTHR	CRASH TYP	SPCL USE	MOVE	A	S	G	E	LICNS	PED	ACTN	EVENT	CAUSE	
			E	A	U	C	O	DATE	FIRST STREET	DIRECT	(MEDIAN)	INT-REL	OFF-RD	WTHR	CRASH TYP	TRLR QTY	MOVE					LICNS	PED				
			E	L	G	H	R	DAY/TIME	SECOND STREET	DIRECT	LEGS	TRAF-	RNDBT	SURF	COLL TYP	OWNER	FROM					LICNS	PED				
			D	C	S	L	K	LAT/LONG	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	VEH TYPE	TO	P#	TYPE	SVRTY	E	X	RES	LOC	ERROR	
11752	NONE	No	N	N	N			10/27/2015	SE RICHEY RD	INTER	3-LEG	N	N	CLR	ANGL-OTH	01	NONE	0	STRGHT								
								Tue 5P 0	SE 190TH DR	CN				DRY	TURN		PRVTE	S	N						015	00	
			45	28	2.73	-122	28	0.09	1	04	0			DAY	PDO		PSNGR CAR		01	DRVR	NONE	31	M	OR-Y	000	000	00

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNE D 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 OR DISABLED
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	PURSUIING OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED RO
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHIN
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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	JACKNIFE	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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
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

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

SE Foster Rd & SE 172nd Ave
 January 1, 2011 through December 31, 2015

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2015														
REAR-END	0	0	1	1	0	0	0	1	0	0	1	1	0	0
TURNING MOVEMENTS	0	2	5	7	0	2	0	5	1	4	3	7	0	0
2015 TOTAL	0	2	6	8	0	2	0	6	1	4	4	8	0	0
YEAR: 2014														
REAR-END	0	3	3	6	0	4	0	3	3	4	2	6	0	0
TURNING MOVEMENTS	0	2	2	4	0	4	0	2	2	2	2	4	0	0
2014 TOTAL	0	5	5	10	0	8	0	5	5	6	4	10	0	0
YEAR: 2013														
REAR-END	0	1	0	1	0	1	0	1	0	1	0	1	0	0
TURNING MOVEMENTS	0	1	1	2	0	2	0	2	0	2	0	2	0	0
2013 TOTAL	0	2	1	3	0	3	0	3	0	3	0	3	0	0
YEAR: 2012														
NON-COLLISION	0	1	0	1	0	3	0	1	0	1	0	1	0	1
REAR-END	0	5	0	5	0	8	0	4	1	5	0	5	0	0
TURNING MOVEMENTS	0	2	0	2	0	2	0	1	1	1	1	2	0	0
2012 TOTAL	0	8	0	8	0	13	0	6	2	7	1	8	0	1
YEAR: 2011														
TURNING MOVEMENTS	0	1	0	1	0	1	0	0	1	0	1	1	0	0
2011 TOTAL	0	1	0	1	0	1	0	0	1	0	1	1	0	0
FINAL TOTAL	0	18	12	30	0	27	0	20	9	20	10	30	0	1

Disclaimer: A higher number of crashes may be reported as of 2011 compared to prior years. This does not reflect an increase in annual crashes. The higher numbers result from a change to an internal departmental process that allows the Crash Analysis and Reporting Unit to add previously unavailable, non-fatal crash reports to the annual data file. Please be aware of this change when comparing pre-2011 crash statistics.

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
 TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
 COUNTY ROAD CRASH LISTING

MULTNOMAH COUNTY

SE Foster Rd & SE 172nd Ave
 January 1, 2011 through December 31, 2015

SER#	E A U C O DATE	MILEPNT	FIRST STREET	RD CHAR	INT-TYP	INT-REL	OFF-RD	WTHR	CRASH TYP	SPCL USE	MOVE	A S	PRTC INJ	G E LICNS PED	ERROR	ACTN	EVENT	CAUSE
INVEST	E L G H R DAY/TIME	DIST FROM	SECOND STREET	DIRECT	(MEDIAN)	TRAF-	RNDBT	SURF	COLL TYP	TRLR QTY	OWNER	FROM	P# TYPE SVRTY	E X RES LOC				
UNLOC?	D C S L K LAT/LONG	INTERSECT	INTERSECTION SEQ #	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	VEH TYPE	TO						
													02 PSNG INJB	12 F	000	000		00
										02 NONE	0 STOP							
										PRVTE	SE NW						011 013	00
										PSNGR CAR			01 DRVR NONE	45 F OR-Y	000	000		00
														OR>25				
										03 NONE	0 STOP							
										PRVTE	SE NW						011	00
										PSNGR CAR			01 DRVR INJC	58 M OR-Y	000	000		00
														OR<25				
13079	N N N N N 11/22/2012		SE FOSTER RD	INTER	3-LEG	N	N	CLR	S-1STOP	01 NONE	0 STRGHT							07
COUNTY	Thu 3P 0		SE 172ND AVE	SE		UNKNOWN	N	DRY	REAR	PRVTE	SE NW							000
No	45 28 0.41 -122 29 8.87	1		06	0		N	DAY	INJ	PSNGR CAR			01 DRVR NONE	22 F OR-Y	043,026	000		07
														OR<25				
													02 PSNG INJC	22 F	000	000		00
										02 NONE	0 STOP							
										PRVTE	SE NW							012
										PSNGR CAR			01 DRVR INJC	43 F OR-Y	000	000		00
														OR<25				
10172	N N N N N 9/26/2013		SE FOSTER RD	INTER	3-LEG	N	N	CLR	S-1STOP	01 NONE	0 STRGHT							07
COUNTY	Thu 4P 0		SE 172ND AVE	SE		STOP SIGN	N	DRY	REAR	PRVTE	SE NW							000
No	45 28 0.41 -122 29 8.87	1		06	0		N	DAY	INJ	PSNGR CAR			01 DRVR NONE	33 M OR-Y	026	000		07
														OR>25				
										02 NONE	0 STOP							
										PRVTE	SE NW							011 013
										PSNGR CAR			01 DRVR INJC	77 F OTH-Y	000	000		00
														N-RES				
										03 NONE	0 STOP							
										PRVTE	SE NW							022
										PSNGR CAR			01 DRVR NONE	51 M OR-Y	000	000		00
														OR>25				
07655	Y N N N N 7/19/2012		SE FOSTER RD	INTER	3-LEG	N	Y	CLR	OVERTURN	01 NONE	0 TURN-L							01
COUNTY	Thu 5P 0		SE 172ND AVE	S		UNKNOWN	N	DRY	NCOL	PRVTE	E S							000
No	45 28 0.41 -122 29 8.87	1		05	0		N	DAY	INJ	PSNGR CAR			01 DRVR INJB	28 F OR-Y	047,080	000		01
														OR<25				
													02 PSNG INJB	33 M	000	000		00
													03 PSNG INJB	12 F	000	000		00
03072	N N N 3/28/2012		SE FOSTER RD	INTER	3-LEG	N	N	CLD	S-1STOP	01 NONE	0 STRGHT							07
NONE	Wed 5P 0		SE 172ND AVE	S		STOP SIGN	N	WET	REAR	PRVTE	S N							000
No	45 28 0.41 -122 29 8.87	1		06	0		N	DAY	INJ	PSNGR CAR			01 DRVR NONE	60 M OR-Y	026	000		07
														OR<25				

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT 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
014	EMR V PKD	EMERGENCY VEHICLE LEGALLY PARKED IN THE ROADWAY
015	GO A/STOP	PROCEED AFTER STOPPING FOR A STOP SIGN/FLASHING RED.
016	TRN A/RED	TURNT 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 OR DISABLED
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	PURSUIT OR ATTEMPTING TO STOP A 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
046	W/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. WITH TRAFFIC
047	A/ TRAFIC	NON-MOTORIST WALKING, RUNNING, RIDING, ETC. FACING TRAFFIC
050	LAY ON RD	STANDING OR LYING IN ROADWAY
051	ENT OFFRD	ENTERING / STARTING IN TRAFFIC LANE FROM OFF ROAD
052	MERGING	MERGING
055	SPRAY	BLINDED BY WATER SPRAY

ACTION CODE TRANSLATION LIST

ACTION CODE	SHORT DESCRIPTION	LONG DESCRIPTION
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 SIG	DISREGARDED TRAFFIC SIGNAL
05	LEFT-CTR	DROVE LEFT OF CENTER ON TWO-WAY ROAD; STRADDLING
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 ROAD; WRONG SIDE DIVIDED ROAD
16	FATIGUE	DRIVER DROWSY/FATIGUED/SLEEPY
17	ILLNESS	PHYSICAL ILLNESS
18	IN RDWY	NON-MOTORIST ILLEGALLY IN ROADWAY
19	NT VISBL	NON-MOTORIST NOT VISIBLE; NON-REFLECTIVE CLOTHING
20	IMP PKNG	VEHICLE IMPROPERLY PARKED
21	DEF STER	DEFECTIVE STEERING MECHANISM
22	DEF BRKE	INADEQUATE OR NO BRAKES
24	LOADSHFT	VEHICLE LOST LOAD OR LOAD SHIFTED
25	TIREFAIL	TIRE FAILURE
26	PHANTOM	PHANTOM / NON-CONTACT VEHICLE
27	INATTENT	INATTENTION
28	NM INATT	NON-MOTORIST INATTENTION
29	F AVOID	FAILED TO AVOID VEHICLE AHEAD
30	SPEED	DRIVING IN EXCESS OF POSTED SPEED
31	RACING	SPEED RACING (PER PAR)
32	CARELESS	CARELESS DRIVING (PER PAR)
33	RECKLESS	RECKLESS DRIVING (PER PAR)
34	AGGRESV	AGGRESSIVE DRIVING (PER PAR)
35	RD RAGE	ROAD RAGE (PER PAR)
40	VIEW OBS	VIEW OBSCURED
50	USED MDN	IMPROPER USE OF MEDIAN OR SHOULDER
51	FAIL LN	FAILED TO MAINTAIN LANE
52	OFF RD	RAN OFF ROAD

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-1 L-TURN	FROM OPPOSITE DIRECTION-ONE LEFT 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

LIC CODE	SHORT DESC	LONG DESCRIPTION
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

RES CODE	SHORT DESC	LONG DESCRIPTION
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

ERROR CODE	SHORT DESCRIPTION	FULL DESCRIPTION
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	INATTENTION (FAILURE TO DIM LIGHTS PRIOR TO 4/1/97)
017	UNSF VEH	DRIVING UNSAFE VEHICLE (NO OTHER ERROR APPARENT)
018	OTH PARK	ENTERING/EXITING PARKED POSITION W/ INSUFFICIENT CLEARANCE; 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 (2-WAY UNDIVIDED ROADWAYS)
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 CODE	SHORT DESCRIPTION	FULL DESCRIPTION
042	F/SLO MV	FAILED TO DECREASE SPEED FOR SLOWER MOVING VEHICLE
043	TOO 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; WRONG SIDE DIVIDED ROAD
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	WORK IN RD	WORKING IN ROADWAY OR ALONG SHOULDER
070	LAY ON RD	STANDING OR LYING IN ROADWAY
071	NM IMP USE	IMPROPER USE OF TRAFFIC LANE BY NON-MOTORIST
073	ELUDING	ELUDING / ATTEMPT TO ELUDE
079	F NEG CURV	FAILED TO NEGOTIATE A CURVE
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 CODE	SHORT 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	INDRCT PED	PEDESTRIAN INDIRECTLY INVOLVED (NOT STRUCK)
005	SUB-PED	"SUB-PED": PEDESTRIAN INJURED SUBSEQUENT TO COLLISION, ETC.
006	INDRCT BIK	PEDALCYCLIST INDIRECTLY INVOLVED (NOT STRUCK)
007	HITCHIKR	HITCHHIKER (SOLICITING A RIDE)
008	PSNGR TOW	PASSENGER OR NON-MOTORIST BEING TOWED OR PUSHED ON CONVEYANCE
009	ON/OFF V	GETTING ON/OFF STOPPED/PARKED VEHICLE (OCCUPANTS ONLY; MUST HAVE PHYSICAL CONTACT W/ VEHIC
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 BAR 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 OR PARAPET (ON BRIDGE OR APPROACH)
047	BR ABUTMNT	BRIDGE ABUTMENT (INCLUDED "APPROACH END" THRU 2013)
048	BR COLMN	BRIDGE PILLAR OR COLUMN
049	BR GIRDR	BRIDGE GIRDER (HORIZONTAL BRIDGE 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 CODE	SHORT 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, FALLEN OR 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	OTHER BUMP (NOT SPEED BUMP), POTHOLE OR PAVEMENT IRREGULARITY (PER PAR)
074	OVERHD OBJ	OTHER OVERHEAD OBJECT (HIGHWAY SIGN, SIGNAL HEAD, ETC.); NOT BRIDGE
075	CAVE IN	BRIDGE OR ROAD CAVE IN
076	HI WATER	HIGH WATER
077	SNO BANK	SNOW BANK
078	LO-HI EDGE	LOW OR HIGH SHOULDER AT PAVEMENT EDGE
079	DITCH	CUT SLOPE OR DITCH EMBANKMENT
080	OBJ FRM MV	STRUCK BY ROCK OR OTHER OBJECT SET IN MOTION BY OTHER VEHICLE (INCL. LOST LOADS)
081	FLY-OBJ	STRUCK BY ROCK OR OTHER MOVING OR FLYING OBJECT (NOT SET IN MOTION BY VEHICLE)
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	OTHR CRASH	CRASH RELATED TO ANOTHER SEPARATE CRASH
090	TO 1 SIDE	TWO-WAY TRAFFIC ON DIVIDED ROADWAY ALL ROUTED TO ONE SIDE
091	BUILDING	BUILDING OR OTHER STRUCTURE
092	PHANTOM	OTHER (PHANTOM) NON-CONTACT VEHICLE
093	CELL PHONE	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 WTNSD	CELL PHONE USE WITNESSED BY OTHER PARTICIPANT
100	UNK FIXD	FIXED OBJECT, UNKNOWN TYPE.
101	OTHER OBJ	NON-FIXED OBJECT, OTHER OR UNKNOWN TYPE
102	TEXTING	TEXTING
103	WZ WORKER	WORK ZONE WORKER
104	ON VEHICLE	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
108	OFFICER	LAW ENFORCEMENT / POLICE OFFICER
109	SUB-BIKE	"SUB-BIKE": PEDALCYCLIST INJURED SUBSEQUENT TO COLLISION, ETC.
110	N-MTR	NON-MOTORIST STRUCK VEHICLE
111	S CAR VS V	STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM) STRUCK VEHICLE
112	V VS S CAR	VEHICLE STRUCK STREET CAR/TROLLEY (ON RAILS OR OVERHEAD WIRE SYSTEM)
113	S CAR ROW	AT OR ON STREET CAR OR TROLLEY RIGHT-OF-WAY
114	RR EQUIP	VEHICLE STRUCK RAILROAD EQUIPMENT (NOT TRAIN) ON TRACKS
115	DSTRCT GPS	DISTRACTED BY NAVIGATION SYSTEM OR GPS DEVICE
116	DSTRCT OTH	DISTRACTED BY OTHER ELECTRONIC DEVICE
117	RR GATE	RAIL CROSSING DROP-ARM GATE

EVENT CODE TRANSLATION LIST

EVENT CODE	SHORT DESCRIPTION	LONG DESCRIPTION
118	EXPNSN JNT	EXPANSION JOINT
119	JERSEY BAR	JERSEY BARRIER
120	WIRE BAR	WIRE OR CABLE MEDIAN BARRIER
121	FENCE	FENCE
123	OBJ IN VEH	LOOSE OBJECT IN VEHICLE STRUCK OCCUPANT
124	SLIPPERY	SLIDING OR SWERVING DUE TO WET, ICY, SLIPPERY OR LOOSE SURFACE (NOT GRAVEL)
125	SHLDR	SHOULDER GAVE WAY
126	BOULDER	ROCK(S), BOULDER (NOT GRAVEL; NOT ROCK SLIDE)
127	LAND SLIDE	ROCK SLIDE OR LAND SLIDE
128	CURVE INV	CURVE PRESENT AT CRASH LOCATION
129	HILL INV	VERTICAL GRADE / HILL PRESENT AT CRASH LOCATION
130	CURVE HID	VIEW OBSCURED BY CURVE
131	HILL HID	VIEW OBSCURED BY VERTICAL GRADE / HILL
132	WINDOW HID	VIEW OBSCURED BY VEHICLE WINDOW CONDITIONS
133	SPRAY HID	VIEW OBSCURED BY WATER SPRAY
134	TORRENTIAL	TORRENTIAL RAIN (EXCEPTIONALLY HEAVY RAIN)

FUNCTIONAL CLASSIFICATION TRANSLATION LIST

FUNC 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 MAJOR COLLECTOR
18	URBAN MINOR 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 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 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 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 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 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 AVAIL UNKNWN
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 OR PARKING LANE
09	NOT-AT INTERSECTION - ON SIDEWALK
10	OUTSIDE TRAFFICWAY BOUNDARIES
13	AT INTERSECTION - IN BIKE LANE
14	NOT AT INTERSECTION - IN BIKE LANE
15	NOT AT INTERSECTION - INSIDE MID-BLOCK CROSSWALK
16	NOT AT INTERSECTION - IN PARKING LANE

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	OFCR/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	OVRHD SGNL	SUPPLEMENTAL OVERHEAD SIGNAL (RR XING ONLY)
028	SP RR STOP	SPECIAL RR STOP SIGN
029	ILLUM 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 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
00	PDO	NOT COLLECTED FOR PDO CRASHES
01	PSNGR CAR	PASSENGER CAR, PICKUP, LIGHT DELIVERY, 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, SEATED MOTOR SCOOTER, MOTOR BIKE
07	SCHL BUS	SCHOOL BUS (INCLUDES VAN)
08	OTH BUS	OTHER BUS
09	MTRCYCLE	MOTORCYCLE, DIRT BIKE
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 (STANDING)
15	SNOWMOBILE	SNOWMOBILE
99	UNKNOWN	UNKNOWN VEHICLE TYPE

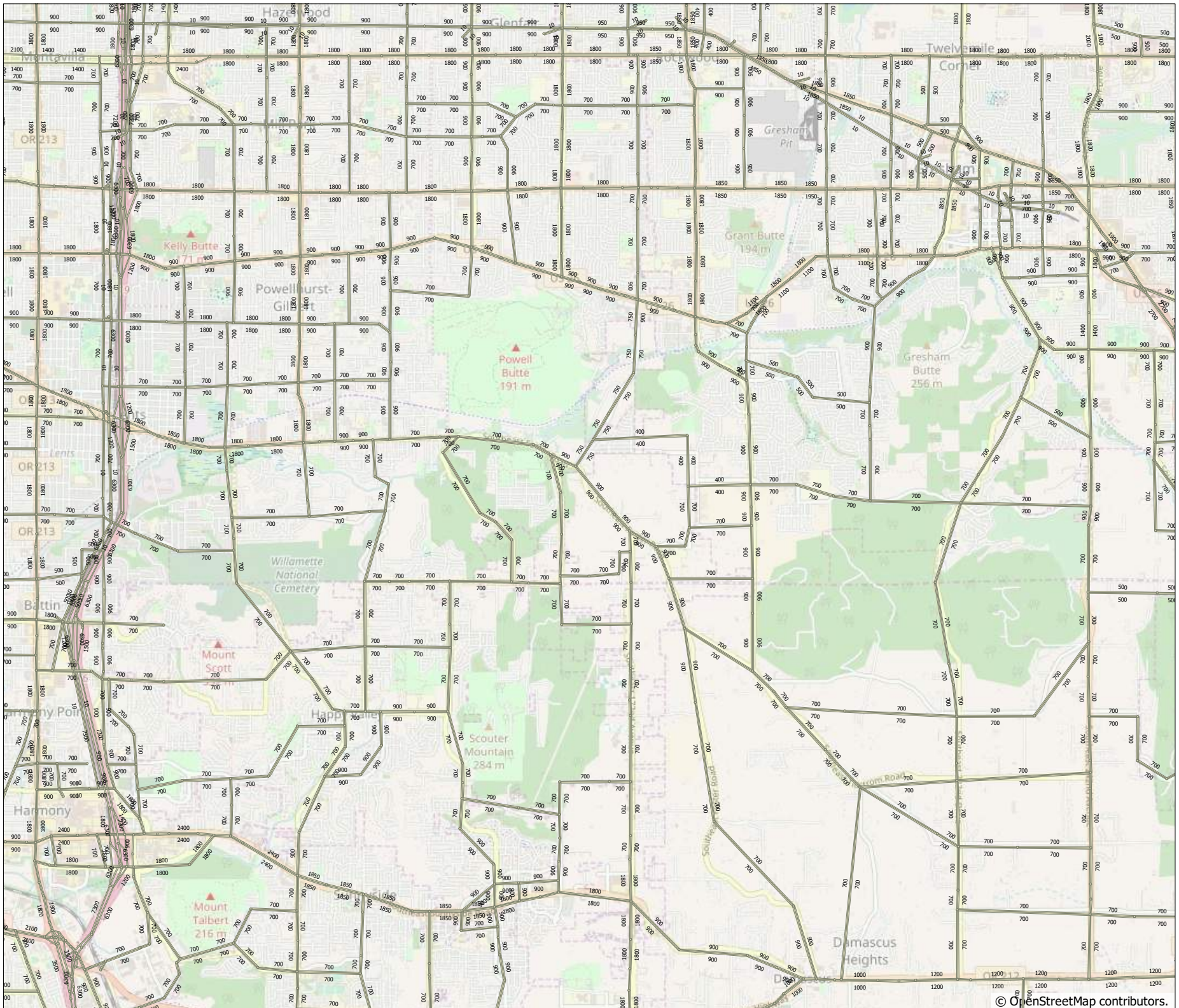
WEATHER CONDITION CODE TRANSLATION LIST

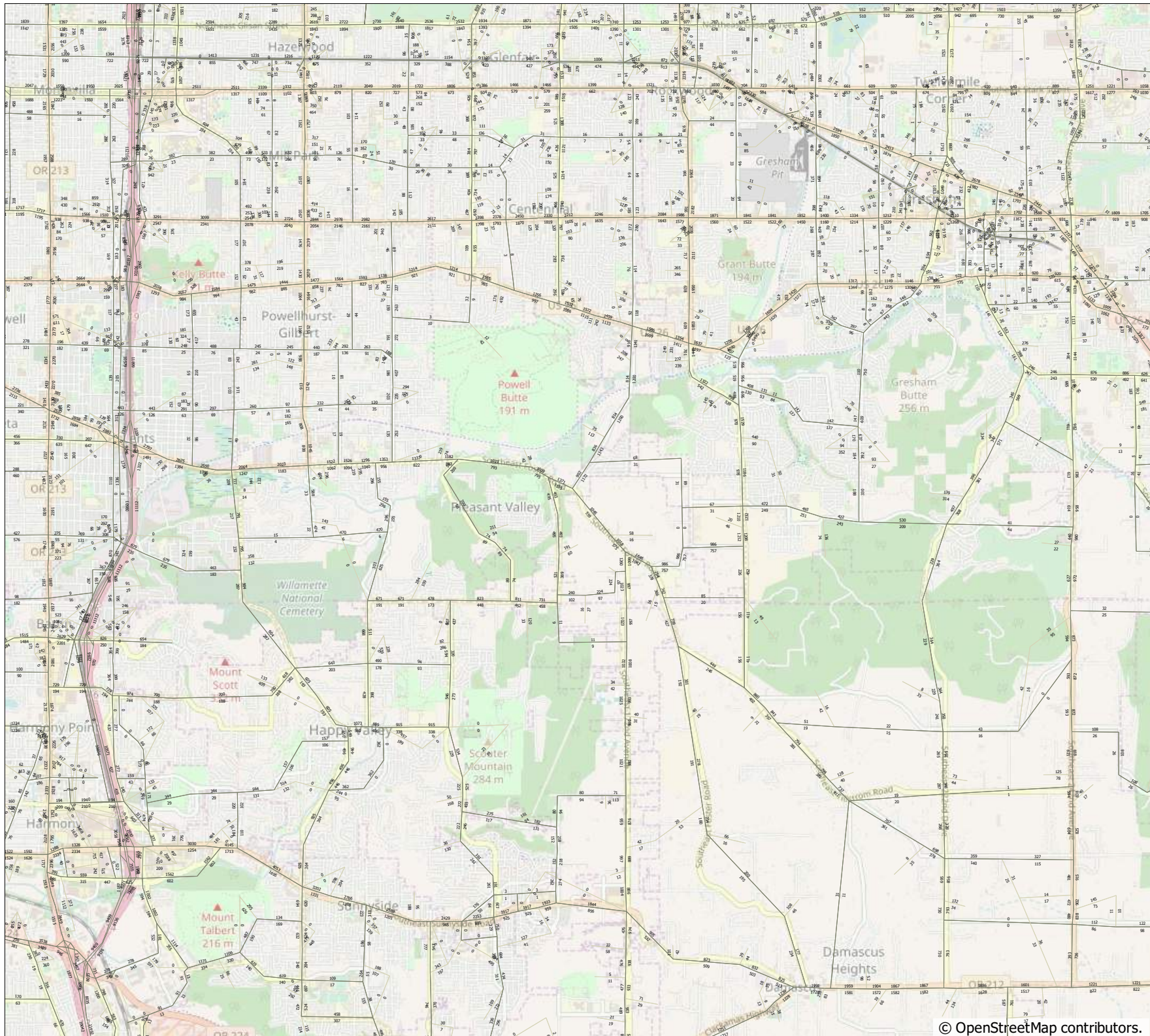
CODE	SHORT DESC	LONG DESCRIPTION
0	UNK	UNKNOWN
1	CLR	CLEAR
2	CLD	CLOUDY
3	RAIN	RAIN
4	SLT	SLEET
5	FOG	FOG
6	SNOW	SNOW
7	DUST	DUST
8	SMOK	SMOKE
9	ASH	ASH

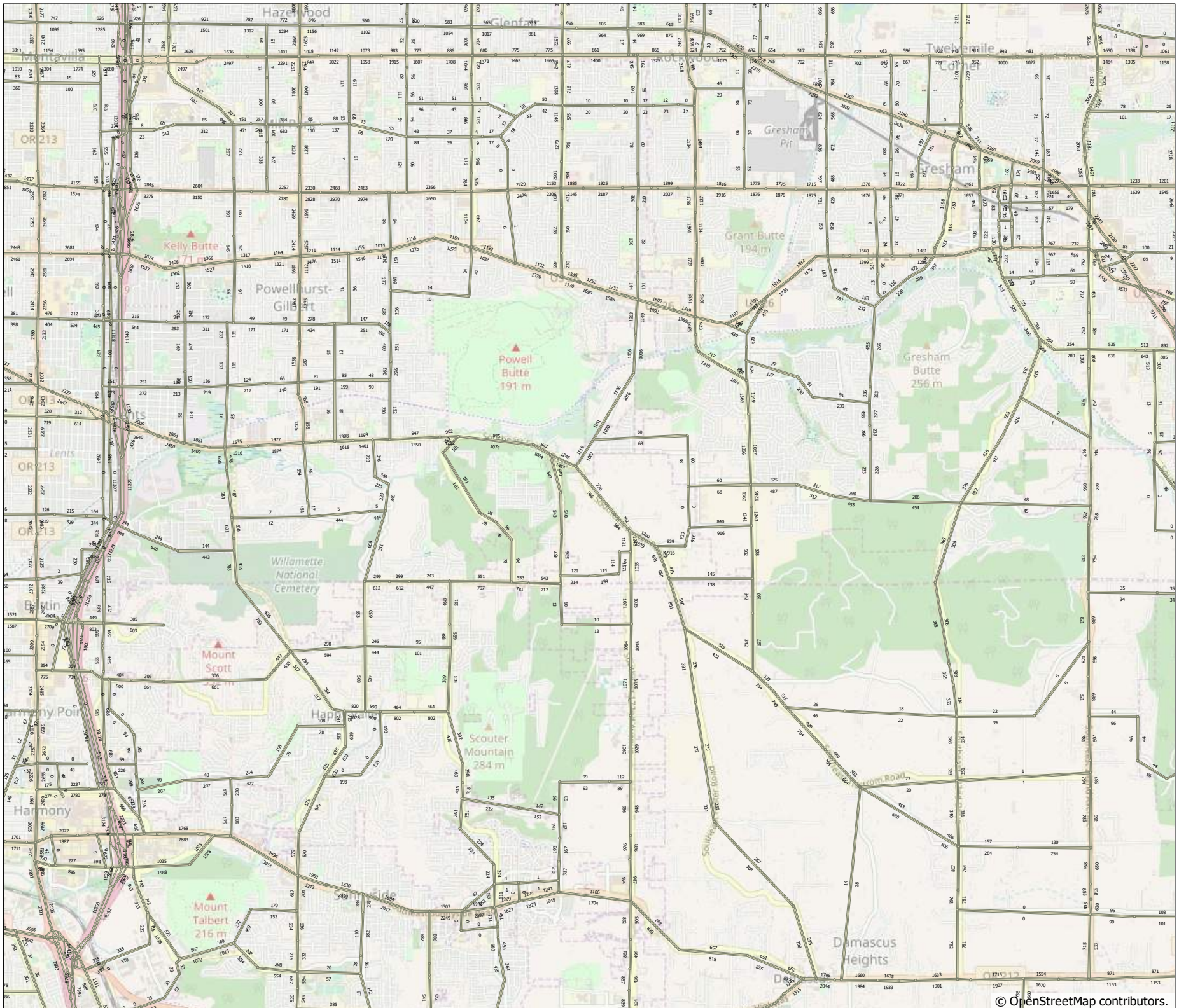
Appendix E Background Documents

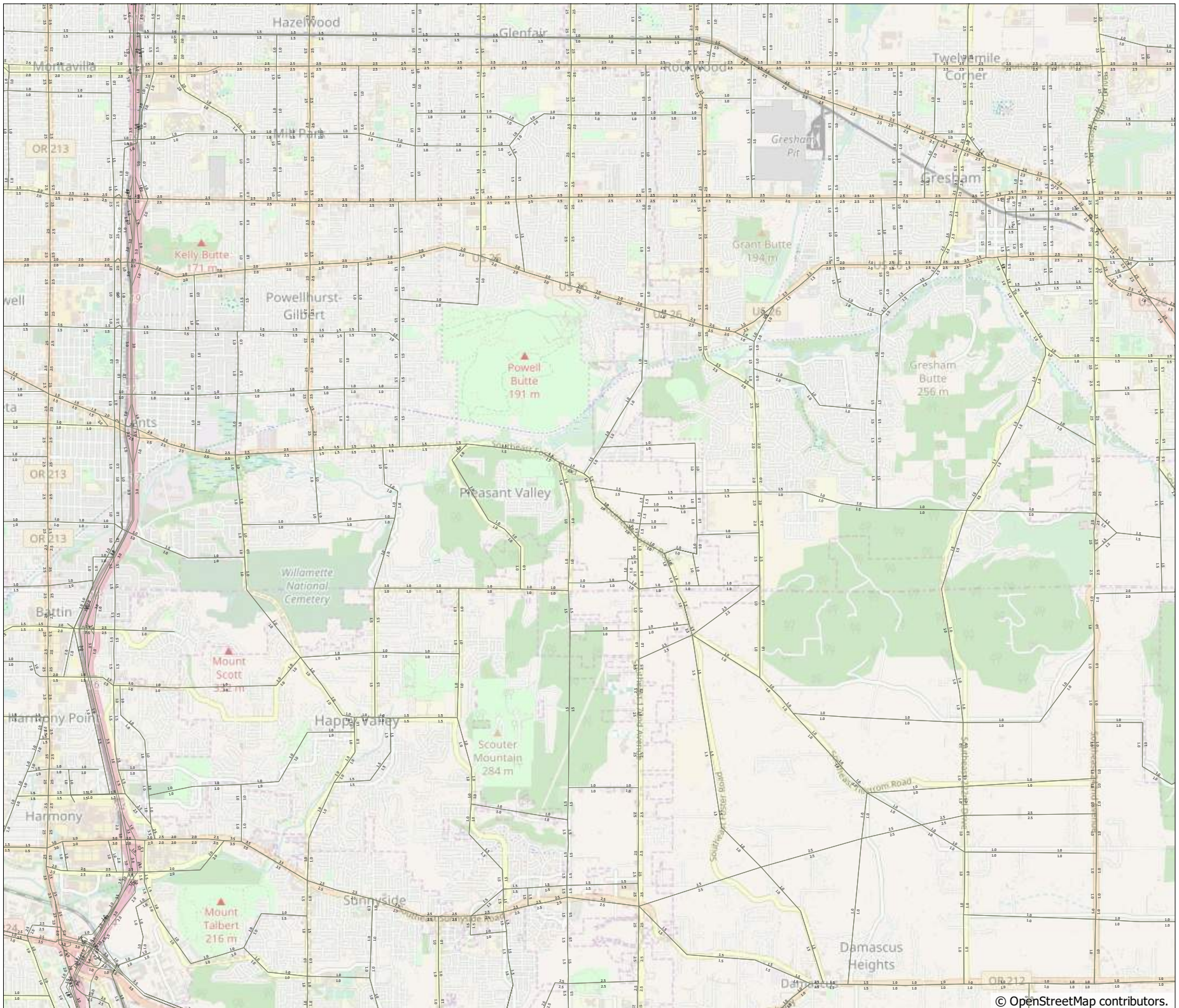
See Background Documents Webpage

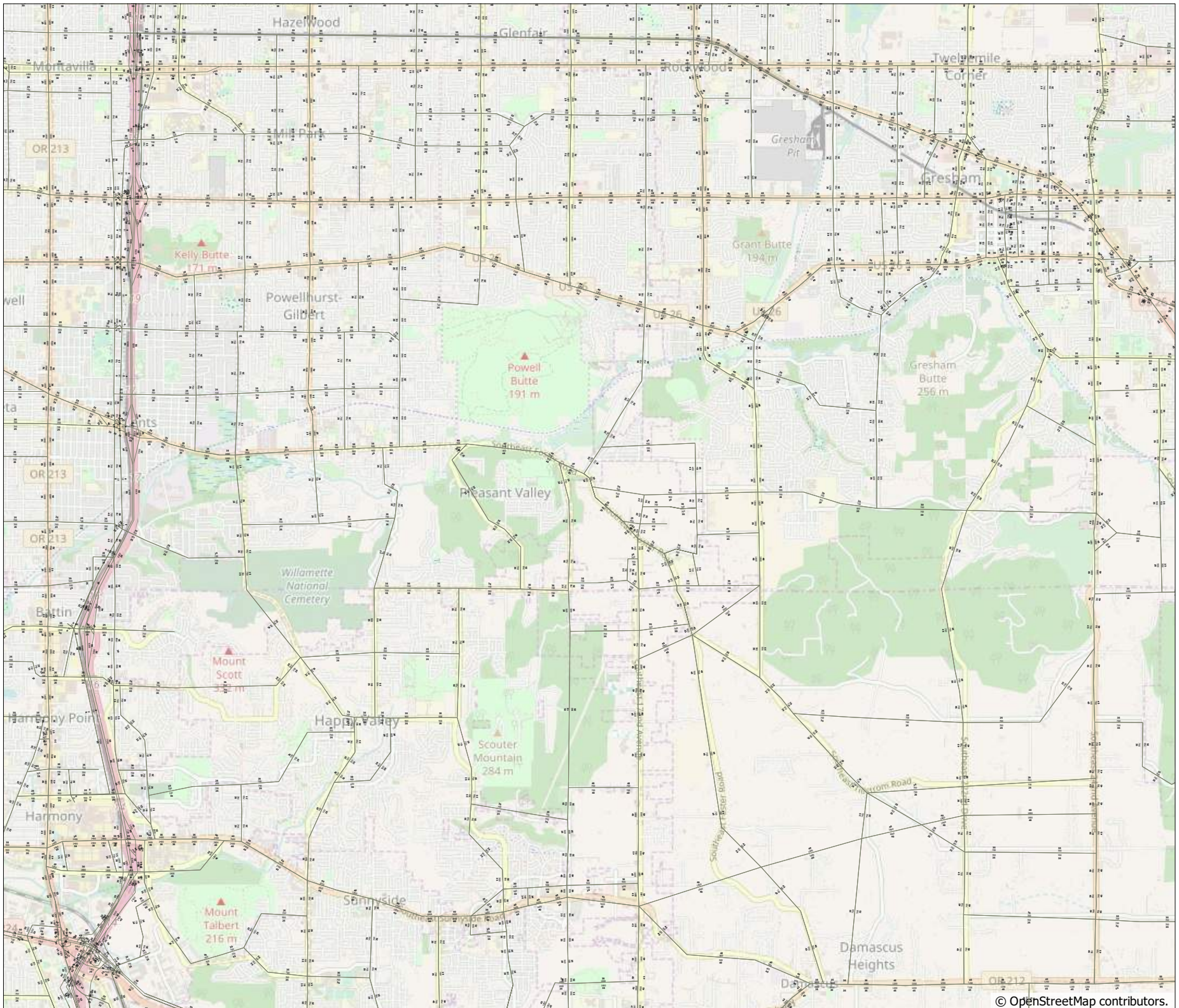
Appendix F Travel Demand Model Results

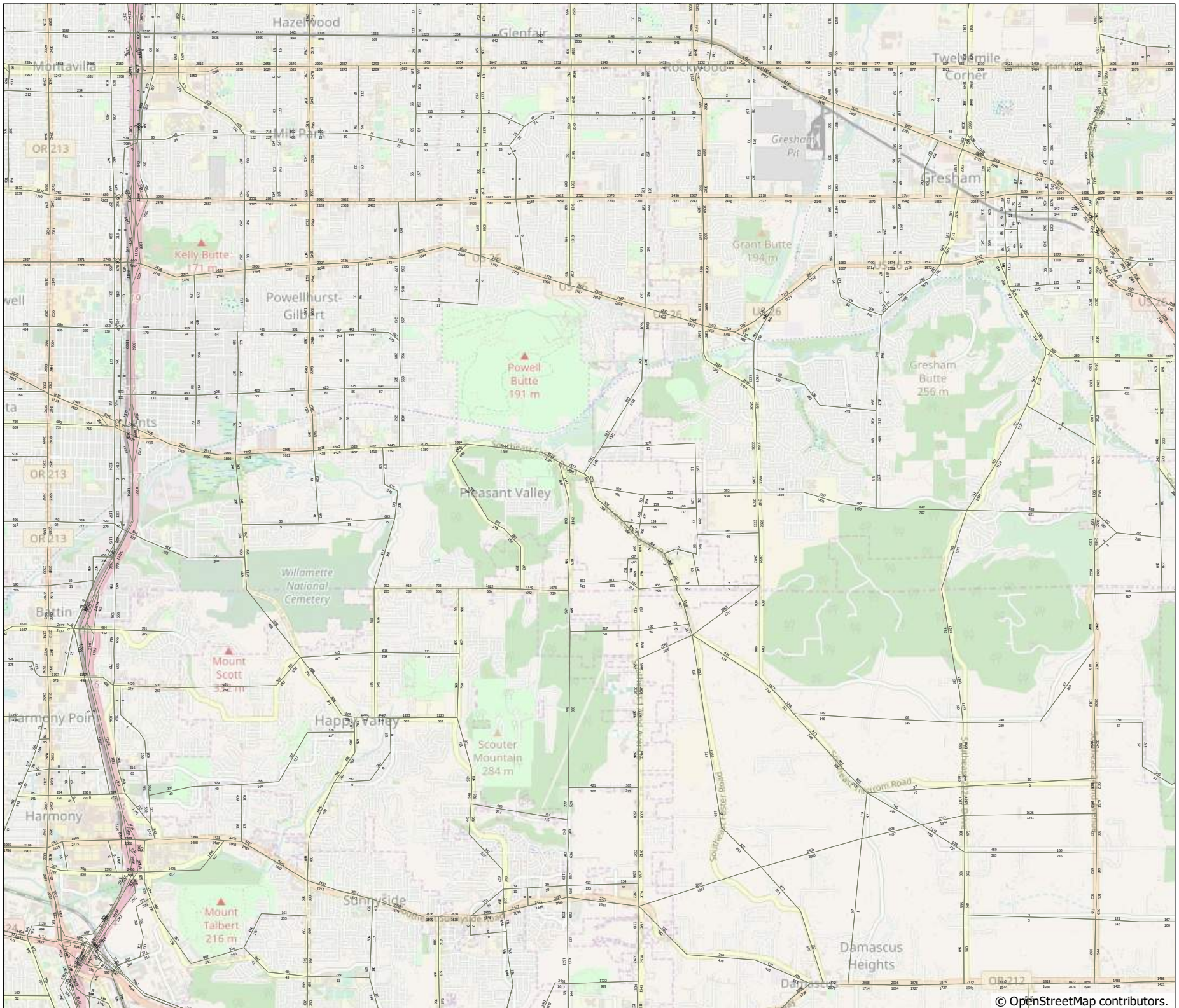


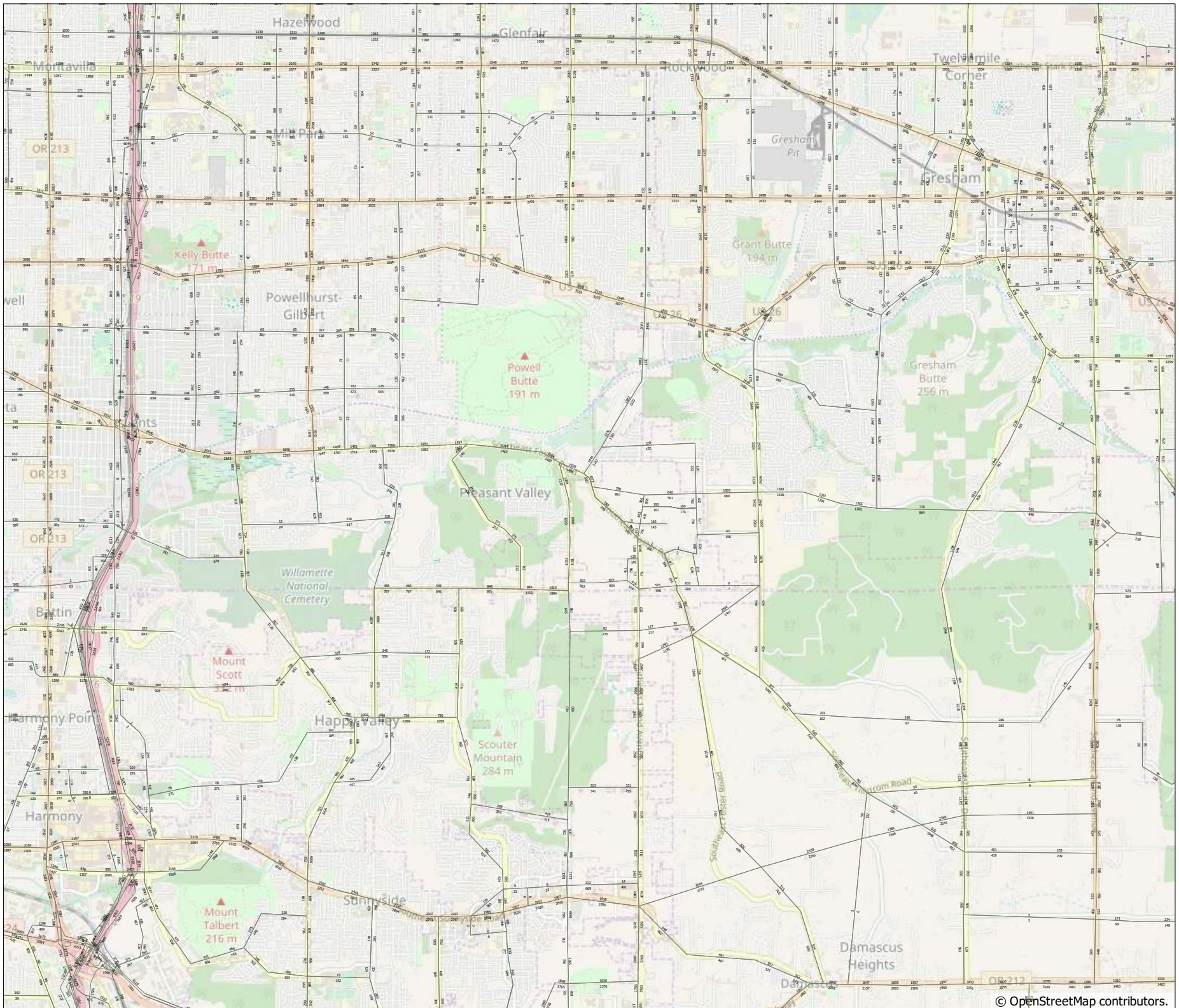












Appendix G Signal Warrant Analysis

Signal Warrant Assessment

Based on 2009 Edition of the MUTCD

Project #: 21593
 Project Name: Pleasant Valley TSP
 Analyst: KZP
 Date: 11/28/2017
 Intersection: SE Foster Road/SE Giese Road
 Scenario: 2040 No-Build Volumes

Volume Adjustment Factor = 1.0
 North-South Approach = Minor
 East-West Approach = Major
 Major Street Thru Lanes = 1
 Minor Street Thru Lanes = 1
 Speed > 40 mph? Yes
 Population < 10,000? No
 Warrant Factor 70%
 Peak Hour or Daily Count? Peak Hour

Warrant Summary

Warrant	Name	Analyzed?	Met?
#1	Eight-Highest	Yes	Yes
#2	Four-Hour	Yes	Yes
#3	Peak Hour	Yes	Yes

**This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.*

Select Type Of Major Street Approach From Dropdown Menu

Urban Minor Arterial

Select Type Of Minor Street Approach From Dropdown Menu

Rural Major Collector

Note: traffic volume profile for weekday (if weekend is desired, tab "vol profile" needs to be adjusted)

Hour		Traffic Volumes				Major St.	Minor St.
Begin	End	Major Street		Minor Street		Adj. Factor	Adj. Factor
		EB	WB	NB	SB		
5:00 PM	6:00 PM	857	485	231	0	1.00	1.00
2nd Highest Hour		811	459	206	0	0.95	0.89
3rd Highest Hour		800	453	179	0	0.93	0.77
4th Highest Hour		766	433	176	0	0.89	0.76
5th Highest Hour		754	427	156	0	0.88	0.68
6th Highest Hour		754	427	154	0	0.88	0.67
7th Highest Hour		720	407	149	0	0.84	0.65
8th Highest Hour		708	401	137	0	0.83	0.59
9th Highest Hour		686	388	129	0	0.80	0.56
10th Highest Hour		640	362	124	0	0.75	0.54
11th Highest Hour		617	349	122	0	0.72	0.53
12th Highest Hour		606	343	122	0	0.71	0.53
13th Highest Hour		583	330	119	0	0.68	0.52
14th Highest Hour		503	285	99	0	0.59	0.43
15th Highest Hour		400	226	97	0	0.47	0.42
16th Highest Hour		377	213	70	0	0.44	0.30
17th Highest Hour		263	149	70	0	0.31	0.30
18th Highest Hour		217	123	47	0	0.25	0.20
19th Highest Hour		114	65	30	0	0.13	0.13
20th Highest Hour		80	45	25	0	0.09	0.11
21st Highest Hour		69	39	12	0	0.08	0.05
22nd Highest Hour		46	26	10	0	0.05	0.04
23rd Highest Hour		23	13	10	0	0.03	0.04
24th Highest Hour		23	13	7	0	0.03	0.03

Data Input

Traffic Volumes						Calculations			
Hour		Major Street		Minor Street		Combined Major Street	Higher Minor Street	Threshold	Is Threshold Met?
Begin	End	EB	WB	NB	SB				
5:00 PM	6:00 PM	857	485	231	0	1342	231	75	Yes
2nd Highest Hour		811	459	206	0	1270	206	75	Yes
3rd Highest Hour		800	453	179	0	1253	179	75	Yes
4th Highest Hour		766	433	176	0	1199	176	75	Yes
5th Highest Hour		754	427	156	0	1181	156	75	Yes
6th Highest Hour		754	427	154	0	1181	154	75	Yes
7th Highest Hour		720	407	149	0	1127	149	75	Yes
8th Highest Hour		708	401	137	0	1109	137	75	Yes
9th Highest Hour		686	388	129	0	1074	129	77	Yes
10th Highest Hour		640	362	124	0	1002	124	83	Yes
11th Highest Hour		617	349	122	0	966	122	88	Yes
12th Highest Hour		606	343	122	0	948	122	90	Yes
13th Highest Hour		583	330	119	0	913	119	96	Yes
14th Highest Hour		503	285	99	0	787	99	121	No
15th Highest Hour		400	226	97	0	626	97	168	No
16th Highest Hour		377	213	70	0	590	70	181	No
17th Highest Hour		263	149	70	0	412	70	255	No
18th Highest Hour		217	123	47	0	340	47	290	No
19th Highest Hour		114	65	30	0	179	30	381	No
20th Highest Hour		80	45	25	0	125	25	415	No
21st Highest Hour		69	39	12	0	107	12	426	No
22nd Highest Hour		46	26	10	0	72	10	450	No
23rd Highest Hour		23	13	10	0	36	10	475	No
24th Highest Hour		23	13	7	0	36	7	475	No

13

Number of lanes for moving traffic on each approach (Major Street) 1
 Number of lanes for moving traffic on each approach (Minor Street) 1
 Warrant Factor 70%
 Row Index for VLOOKUP 5

Lookup Table

Index	Major Street	Minor Street	Break Point	x ²	x	c	alt
1	1	1	1490	0.00021	0.74456	737.483	100
2	2 or more	1	1940	0.00016	0.69501	820.599	100
3	2 or more	2 or more	1670	0.00021	0.88413	1051.357	150
4	1	2 or more	1490	0.00018	0.74004	840.841	150
5	1	1	1090	0.00030	0.72083	500.179	75
6	2 or more	1	1290	0.00027	0.74307	590.636	75
7	2 or more	2 or more	1190	0.00030	0.88720	740.149	100
8	1	2 or more	1090	0.00033	0.83500	619.667	100

70% Factor 100% Factor

Is Warrant #3 met based on the applicable warrant factor?

Yes

Condition A Criteria

	NB	SB
Total Stopped Delay Per Vehicle On Minor Approach (sec)	212.5	0.0
Number Of Lanes On Minor Street Approach	1	0
Vehicle-Hours Of Stopped Delay On Minor Approach	13.64	0.00
	Yes	No
Volume on Minor Street Approach During Same Hour	231	0
	Yes	No
Total Entering Volume On All Approaches During Same Hour	1573	
Number of Approaches to Intersection	3	
	Yes	

Is Warrant #3 met based on Condition A criteria?

Yes

Signal Warrant Assessment

Based on 2009 Edition of the MUTCD

Project #: 21593
 Project Name: Pleasant Valley TSP
 Analyst: KZP
 Date: 11/28/2017
 Intersection: SE Giese Road/SE 172nd Avenue
 Scenario: 2040 No-Build Volumes

Volume Adjustment Factor = 1.0
 North-South Approach = Minor
 East-West Approach = Major
 Major Street Thru Lanes = 1
 Minor Street Thru Lanes = 1
 Speed > 40 mph? No
 Population < 10,000? No
 Warrant Factor 100%
 Peak Hour or Daily Count? Peak Hour

Warrant Summary

Warrant	Name	Analyzed?	Met?
#1	Eight-Highest	Yes	Yes
#2	Four-Hour	Yes	Yes
#3	Peak Hour	Yes	Yes

**This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.*

Select Type Of Major Street Approach From Dropdown Menu

Urban Minor Arterial

Select Type Of Minor Street Approach From Dropdown Menu

Rural Major Collector

Note: traffic volume profile for weekday (if weekend is desired, tab "vol profile" needs to be adjusted)

Hour		Traffic Volumes				Major St. Adj. Factor	Minor St. Adj. Factor
Begin	End	Major Street		Minor Street			
		EB	WB	NB	SB		
5:00 PM	6:00 PM	564	429	444	0	1.00	1.00
2nd Highest Hour		534	406	396	0	0.95	0.89
3rd Highest Hour		526	400	344	0	0.93	0.77
4th Highest Hour		504	383	339	0	0.89	0.76
5th Highest Hour		496	378	301	0	0.88	0.68
6th Highest Hour		496	378	296	0	0.88	0.67
7th Highest Hour		474	360	286	0	0.84	0.65
8th Highest Hour		466	355	263	0	0.83	0.59
9th Highest Hour		451	343	248	0	0.80	0.56
10th Highest Hour		421	320	239	0	0.75	0.54
11th Highest Hour		406	309	234	0	0.72	0.53
12th Highest Hour		399	303	234	0	0.71	0.53
13th Highest Hour		384	292	229	0	0.68	0.52
14th Highest Hour		331	252	191	0	0.59	0.43
15th Highest Hour		263	200	186	0	0.47	0.42
16th Highest Hour		248	189	134	0	0.44	0.30
17th Highest Hour		173	132	134	0	0.31	0.30
18th Highest Hour		143	109	91	0	0.25	0.20
19th Highest Hour		75	57	57	0	0.13	0.13
20th Highest Hour		53	40	48	0	0.09	0.11
21st Highest Hour		45	34	24	0	0.08	0.05
22nd Highest Hour		30	23	19	0	0.05	0.04
23rd Highest Hour		15	11	19	0	0.03	0.04
24th Highest Hour		15	11	14	0	0.03	0.03

Data Input

Traffic Volumes						Calculations			
Hour		Major Street		Minor Street		Combined Major Street	Higher Minor Street	Threshold	Is Threshold Met?
Begin	End	EB	WB	NB	SB				
5:00 PM	6:00 PM	564	429	444	0	993	444	209	Yes
2nd Highest Hour		534	406	396	0	940	396	227	Yes
3rd Highest Hour		526	400	344	0	927	344	231	Yes
4th Highest Hour		504	383	339	0	887	339	245	Yes
5th Highest Hour		496	378	301	0	874	301	250	Yes
6th Highest Hour		496	378	296	0	874	296	250	Yes
7th Highest Hour		474	360	286	0	834	286	265	Yes
8th Highest Hour		466	355	263	0	821	263	270	No
9th Highest Hour		451	343	248	0	794	248	281	No
10th Highest Hour		421	320	239	0	741	239	303	No
11th Highest Hour		406	309	234	0	715	234	315	No
12th Highest Hour		399	303	234	0	702	234	320	No
13th Highest Hour		384	292	229	0	675	229	332	No
14th Highest Hour		331	252	191	0	583	191	376	No
15th Highest Hour		263	200	186	0	463	186	438	No
16th Highest Hour		248	189	134	0	437	134	453	No
17th Highest Hour		173	132	134	0	305	134	531	No
18th Highest Hour		143	109	91	0	252	91	564	No
19th Highest Hour		75	57	57	0	132	57	643	No
20th Highest Hour		53	40	48	0	93	48	670	No
21st Highest Hour		45	34	24	0	79	24	680	No
22nd Highest Hour		30	23	19	0	53	19	699	No
23rd Highest Hour		15	11	19	0	26	19	718	No
24th Highest Hour		15	11	14	0	26	14	718	No

7

Number of lanes for moving traffic on each approach (Major Street) 1
 Number of lanes for moving traffic on each approach (Minor Street) 1
 Warrant Factor 100%
 Row Index for VLOOKUP 1

Lookup Table

Index	Major Street	Minor Street	Break Point	x ²	x	c	alt
1	1	1	1490	0.00021	0.74456	737.483	100
2	2 or more	1	1940	0.00016	0.69501	820.599	100
3	2 or more	2 or more	1670	0.00021	0.88413	1051.357	150
4	1	2 or more	1490	0.00018	0.74004	840.841	150
5	1	1	1090	0.00030	0.72083	500.179	75
6	2 or more	1	1290	0.00027	0.74307	590.636	75
7	2 or more	2 or more	1190	0.00030	0.88720	740.149	100
8	1	2 or more	1090	0.00033	0.83500	619.667	100

70% Factor 100% Factor

Is Warrant #3 met based on the applicable warrant factor?

Yes

Condition A Criteria

	NB	SB
Total Stopped Delay Per Vehicle On Minor Approach (sec)	729.9	0.0
Number Of Lanes On Minor Street Approach	1	1
Vehicle-Hours Of Stopped Delay On Minor Approach	90.02	0.00
	Yes	No
Volume on Minor Street Approach During Same Hour	444	0
	Yes	No
Total Entering Volume On All Approaches During Same Hour	1437	
Number of Approaches to Intersection	3	
	Yes	

Is Warrant #3 met based on Condition A criteria?

Yes

Signal Warrant Assessment

Based on 2009 Edition of the MUTCD

Project #: 21593
 Project Name: Pleasant Valley TSP
 Analyst: KZP
 Date: 11/28/2017
 Intersection: SE Giese Road/SE 172nd Avenue
 Scenario: 2040 No-Build Volumes

Volume Adjustment Factor = 1.0
 North-South Approach = Major
 East-West Approach = Minor
 Major Street Thru Lanes = 2
 Minor Street Thru Lanes = 1
 Speed > 40 mph? No
 Population < 10,000? No
 Warrant Factor 100%
 Peak Hour or Daily Count? Peak Hour

Warrant Summary

Warrant	Name	Analyzed?	Met?
#1	Eight-Highest	Yes	Yes
#2	Four-Hour	Yes	Yes
#3	Peak Hour	Yes	Yes

**This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.*

Select Type Of Major Street Approach From Dropdown Menu

Urban Minor Arterial

Select Type Of Minor Street Approach From Dropdown Menu

Rural Major Collector

Note: traffic volume profile for weekday (if weekend is desired, tab "vol profile" needs to be adjusted)

Hour		Traffic Volumes					
		Major Street		Minor Street		Major St.	Minor St.
Begin	End	NB	SB	EB	WB	Adj. Factor	Adj. Factor
5:00 PM	6:00 PM	1050	1325	412	628	1.00	1.00
2nd Highest Hour		994	1254	368	560	0.95	0.89
3rd Highest Hour		980	1237	319	486	0.93	0.77
4th Highest Hour		938	1184	315	479	0.89	0.76
5th Highest Hour		924	1166	279	425	0.88	0.68
6th Highest Hour		924	1166	275	419	0.88	0.67
7th Highest Hour		882	1113	266	405	0.84	0.65
8th Highest Hour		868	1095	244	371	0.83	0.59
9th Highest Hour		840	1060	230	351	0.80	0.56
10th Highest Hour		784	989	222	338	0.75	0.54
11th Highest Hour		756	954	217	331	0.72	0.53
12th Highest Hour		742	936	217	331	0.71	0.53
13th Highest Hour		714	901	213	324	0.68	0.52
14th Highest Hour		616	777	177	270	0.59	0.43
15th Highest Hour		490	618	173	263	0.47	0.42
16th Highest Hour		462	583	124	189	0.44	0.30
17th Highest Hour		322	406	124	189	0.31	0.30
18th Highest Hour		266	336	84	128	0.25	0.20
19th Highest Hour		140	177	53	81	0.13	0.13
20th Highest Hour		98	124	44	68	0.09	0.11
21st Highest Hour		84	106	22	34	0.08	0.05
22nd Highest Hour		56	71	18	27	0.05	0.04
23rd Highest Hour		28	35	18	27	0.03	0.04
24th Highest Hour		28	35	13	20	0.03	0.03

Data Input

Traffic Volumes						Calculations			
Hour		Major Street		Minor Street		Combined Major Street	Higher Minor Street	Threshold	Is Threshold Met?
Begin	End	NB	SB	EB	WB				
5:00 PM	6:00 PM	1050	1325	412	628	2375	628	100	Yes
2nd Highest Hour		994	1254	368	560	2248	560	100	Yes
3rd Highest Hour		980	1237	319	486	2217	486	100	Yes
4th Highest Hour		938	1184	315	479	2122	479	100	Yes
5th Highest Hour		924	1166	279	425	2090	425	100	Yes
6th Highest Hour		924	1166	275	419	2090	419	100	Yes
7th Highest Hour		882	1113	266	405	1995	405	100	Yes
8th Highest Hour		868	1095	244	371	1963	371	100	Yes
9th Highest Hour		840	1060	230	351	1900	351	78	Yes
10th Highest Hour		784	989	222	338	1773	338	91	Yes
11th Highest Hour		756	954	217	331	1710	331	100	Yes
12th Highest Hour		742	936	217	331	1678	331	105	Yes
13th Highest Hour		714	901	213	324	1615	324	115	Yes
14th Highest Hour		616	777	177	270	1393	270	163	Yes
15th Highest Hour		490	618	173	263	1108	263	247	Yes
16th Highest Hour		462	583	124	189	1045	189	269	No
17th Highest Hour		322	406	124	189	728	189	399	No
18th Highest Hour		266	336	84	128	602	128	460	No
19th Highest Hour		140	177	53	81	317	81	617	No
20th Highest Hour		98	124	44	68	222	68	674	No
21st Highest Hour		84	106	22	34	190	34	694	No
22nd Highest Hour		56	71	18	27	127	27	735	No
23rd Highest Hour		28	35	18	27	63	27	777	No
24th Highest Hour		28	35	13	20	63	20	777	No

15

Number of lanes for moving traffic on each approach (Major Street) 2
 Number of lanes for moving traffic on each approach (Minor Street) 1
 Warrant Factor 100%
 Row Index for VLOOKUP 2

Lookup Table

Index	Major Street	Minor Street	Break Point	x ²	x	c	alt
1	1	1	1490	0.00021	0.74456	737.483	100
2	2 or more	1	1940	0.00016	0.69501	820.599	100
3	2 or more	2 or more	1670	0.00021	0.88413	1051.357	150
4	1	2 or more	1490	0.00018	0.74004	840.841	150
5	1	1	1090	0.00030	0.72083	500.179	75
6	2 or more	1	1290	0.00027	0.74307	590.636	75
7	2 or more	2 or more	1190	0.00030	0.88720	740.149	100
8	1	2 or more	1090	0.00033	0.83500	619.667	100

70% Factor 100% Factor

Is Warrant #3 met based on the applicable warrant factor?

Yes

Condition A Criteria

	EB	WB
Total Stopped Delay Per Vehicle On Minor Approach (sec)	158.0	205.2
Number Of Lanes On Minor Street Approach	1	1
Vehicle-Hours Of Stopped Delay On Minor Approach	18.08	35.80
	Yes	Yes
Volume on Minor Street Approach During Same Hour	412	628
	Yes	Yes
Total Entering Volume On All Approaches During Same Hour	3415	
Number of Approaches to Intersection	4	
	Yes	

Is Warrant #3 met based on Condition A criteria?

Yes

Signal Warrant Assessment

Based on 2009 Edition of the MUTCD

Project #: 21593
 Project Name: Pleasant Valley TSP
 Analyst: KZP
 Date: 11/28/2017
 Intersection: SE Foster Road/SE 172nd Avneue
 Scenario: 2040 No-Build Volumes

Volume Adjustment Factor = 1.0
 North-South Approach = Major
 East-West Approach = Minor
 Major Street Thru Lanes = 1
 Minor Street Thru Lanes = 1
 Speed > 40 mph? No
 Population < 10,000? No
 Warrant Factor 100%
 Peak Hour or Daily Count? Peak Hour

Warrant Summary

Warrant	Name	Analyzed?	Met?
#1	Eight-Highest	Yes	Yes
#2	Four-Hour	Yes	Yes
#3	Peak Hour	Yes	Yes

**This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.*

Select Type Of Major Street Approach From Dropdown Menu

Urban Minor Arterial

Select Type Of Minor Street Approach From Dropdown Menu

Rural Major Collector

Note: traffic volume profile for weekday (if weekend is desired, tab "vol profile" needs to be adjusted)

Hour		Traffic Volumes				Major St. Adj. Factor	Minor St. Adj. Factor
Begin	End	Major Street		Minor Street			
		NB	SB	EB	WB		
5:00 PM	6:00 PM	291	501	412	173	1.00	1.00
2nd Highest Hour		275	474	368	154	0.95	0.89
3rd Highest Hour		272	468	319	134	0.93	0.77
4th Highest Hour		260	448	315	132	0.89	0.76
5th Highest Hour		256	441	279	117	0.88	0.68
6th Highest Hour		256	441	275	115	0.88	0.67
7th Highest Hour		244	421	266	112	0.84	0.65
8th Highest Hour		241	414	244	102	0.83	0.59
9th Highest Hour		233	401	230	97	0.80	0.56
10th Highest Hour		217	374	222	93	0.75	0.54
11th Highest Hour		210	361	217	91	0.72	0.53
12th Highest Hour		206	354	217	91	0.71	0.53
13th Highest Hour		198	341	213	89	0.68	0.52
14th Highest Hour		171	294	177	74	0.59	0.43
15th Highest Hour		136	234	173	73	0.47	0.42
16th Highest Hour		128	220	124	52	0.44	0.30
17th Highest Hour		89	154	124	52	0.31	0.30
18th Highest Hour		74	127	84	35	0.25	0.20
19th Highest Hour		39	67	53	22	0.13	0.13
20th Highest Hour		27	47	44	19	0.09	0.11
21st Highest Hour		23	40	22	9	0.08	0.05
22nd Highest Hour		16	27	18	7	0.05	0.04
23rd Highest Hour		8	13	18	7	0.03	0.04
24th Highest Hour		8	13	13	6	0.03	0.03

Data Input

Traffic Volumes						Calculations			
Hour		Major Street		Minor Street		Combined Major Street	Higher Minor Street	Threshold	Is Threshold Met?
Begin	End	NB	SB	EB	WB				
5:00 PM	6:00 PM	291	501	412	173	792	412	282	Yes
2nd Highest Hour		275	474	368	154	750	368	300	Yes
3rd Highest Hour		272	468	319	134	739	319	304	Yes
4th Highest Hour		260	448	315	132	708	315	318	No
5th Highest Hour		256	441	279	117	697	279	323	No
6th Highest Hour		256	441	275	115	697	275	323	No
7th Highest Hour		244	421	266	112	665	266	337	No
8th Highest Hour		241	414	244	102	655	244	342	No
9th Highest Hour		233	401	230	97	634	230	352	No
10th Highest Hour		217	374	222	93	591	222	372	No
11th Highest Hour		210	361	217	91	570	217	382	No
12th Highest Hour		206	354	217	91	560	217	388	No
13th Highest Hour		198	341	213	89	539	213	399	No
14th Highest Hour		171	294	177	74	465	177	438	No
15th Highest Hour		136	234	173	73	370	173	492	No
16th Highest Hour		128	220	124	52	348	124	504	No
17th Highest Hour		89	154	124	52	243	124	569	No
18th Highest Hour		74	127	84	35	201	84	597	No
19th Highest Hour		39	67	53	22	106	53	661	No
20th Highest Hour		27	47	44	19	74	44	684	No
21st Highest Hour		23	40	22	9	63	22	691	No
22nd Highest Hour		16	27	18	7	42	18	706	No
23rd Highest Hour		8	13	18	7	21	18	722	No
24th Highest Hour		8	13	13	6	21	13	722	No

3

Number of lanes for moving traffic on each approach (Major Street) 1
 Number of lanes for moving traffic on each approach (Minor Street) 1
 Warrant Factor 100%
 Row Index for VLOOKUP 1

Lookup Table

Index	Major Street	Minor Street	Break Point	x ²	x	c	alt
1	1	1	1490	0.00021	0.74456	737.483	100
2	2 or more	1	1940	0.00016	0.69501	820.599	100
3	2 or more	2 or more	1670	0.00021	0.88413	1051.357	150
4	1	2 or more	1490	0.00018	0.74004	840.841	150
5	1	1	1090	0.00030	0.72083	500.179	75
6	2 or more	1	1290	0.00027	0.74307	590.636	75
7	2 or more	2 or more	1190	0.00030	0.88720	740.149	100
8	1	2 or more	1090	0.00033	0.83500	619.667	100

70% Factor 100% Factor

Is Warrant #3 met based on the applicable warrant factor?

Yes

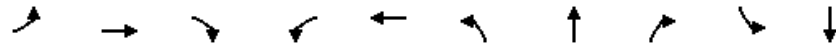
Condition A Criteria

	EB	WB
Total Stopped Delay Per Vehicle On Minor Approach (sec)	500.0	500.0
Number Of Lanes On Minor Street Approach	1	1
Vehicle-Hours Of Stopped Delay On Minor Approach	57.22	24.03
	Yes	Yes
Volume on Minor Street Approach During Same Hour	412	173
	Yes	Yes
Total Entering Volume On All Approaches During Same Hour	1377	
Number of Approaches to Intersection	4	
	Yes	

Is Warrant #3 met based on Condition A criteria?

Yes

Appendix H Future Planned Traffic Conditions



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	73	575	317	78	883	268	311	375	20	243
v/c Ratio	1.04	0.42	0.33	0.61	1.11	1.13	0.63	0.54	0.43	0.93
Control Delay	181.2	26.3	2.6	80.9	99.0	148.9	48.6	15.6	92.5	96.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	181.2	26.3	2.6	80.9	99.0	148.9	48.6	15.6	92.5	96.0
Queue Length 50th (ft)	~72	181	8	69	~919	~282	250	110	18	212
Queue Length 95th (ft)	#179	238	45	125	#1177	#466	360	207	#51	#379
Internal Link Dist (ft)		586			513		2445			560
Turn Bay Length (ft)	100			100		150		90	50	
Base Capacity (vph)	70	1376	955	158	797	238	495	718	47	265
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.04	0.42	0.33	0.49	1.11	1.13	0.63	0.52	0.43	0.92

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

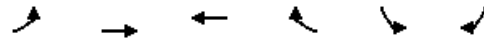
Pleasant Valley TSP Refinement
1: SE 174th Ave & SE Powell Blvd

Future No-Build Conditions, Weekday AM Peak Hour

11/28/2017

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	67	529	292	72	768	44	247	286	345	18	171	52
Future Volume (vph)	67	529	292	72	768	44	247	286	345	18	171	52
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		3%			-2%			-1%			1%	
Total Lost time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	5.0	3.5	5.0	
Lane Util. Factor	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Fr _t	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.96	
Fl _t Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1514	2941	1316	1508	1570		1544	1579	1355	1485	1493	
Fl _t Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1514	2941	1316	1508	1570		1544	1579	1355	1485	1493	
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)	73	575	317	78	835	48	268	311	375	20	186	57
RTOR Reduction (vph)	0	0	102	0	1	0	0	0	120	0	8	0
Lane Group Flow (vph)	73	575	215	78	882	0	268	311	255	20	235	0
Confl. Peds. (#/hr)	7		10	10		7	8		23	23		8
Confl. Bikes (#/hr)						1			1			
Heavy Vehicles (%)	2%	5%	5%	5%	5%	5%	2%	5%	4%	5%	5%	5%
Turn Type	Prot	NA	pt+ov	Prot	NA		Prot	NA	pt+ov	Prot	NA	
Protected Phases	5	2	2 3	1	6		3	8	8 1	7	4	
Permitted Phases												
Actuated Green, G (s)	6.5	65.3	92.1	11.9	70.7		21.5	43.8	60.7	2.7	25.0	
Effective Green, g (s)	6.5	65.3	92.1	11.9	70.7		21.5	43.8	60.7	2.7	25.0	
Actuated g/C Ratio	0.05	0.46	0.65	0.08	0.50		0.15	0.31	0.43	0.02	0.18	
Clearance Time (s)	3.5	5.3		3.5	5.3		3.5	5.0		3.5	5.0	
Vehicle Extension (s)	3.0	4.0		3.0	4.0		3.0	3.5		3.0	3.5	
Lane Grp Cap (vph)	69	1362	859	127	787		235	490	583	28	264	
v/s Ratio Prot	c0.05	0.20	0.16	0.05	c0.56		c0.17	0.20	0.19	0.01	c0.16	
v/s Ratio Perm												
v/c Ratio	1.06	0.42	0.25	0.61	1.12		1.14	0.63	0.44	0.71	0.89	
Uniform Delay, d1	67.2	25.3	10.1	62.3	35.1		59.8	41.7	28.2	68.8	56.6	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	125.2	0.3	0.2	8.5	70.4		101.8	2.8	0.6	60.5	28.8	
Delay (s)	192.5	25.5	10.4	70.8	105.6		161.6	44.5	28.8	129.3	85.4	
Level of Service	F	C	B	E	F		F	D	C	F	F	
Approach Delay (s)		33.2			102.7			71.2			88.7	
Approach LOS		C			F			E			F	
Intersection Summary												
HCM 2000 Control Delay			70.6				HCM 2000 Level of Service			E		
HCM 2000 Volume to Capacity ratio			1.07									
Actuated Cycle Length (s)			141.0				Sum of lost time (s)			17.3		
Intersection Capacity Utilization			100.5%				ICU Level of Service			G		
Analysis Period (min)			15									

c Critical Lane Group



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	487	354	403	239	243	435
v/c Ratio	0.74	0.34	0.80	0.41	0.82	0.87
Control Delay	20.1	7.8	44.2	7.0	59.1	31.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	20.1	7.8	44.2	7.0	59.1	31.7
Queue Length 50th (ft)	121	68	224	5	135	80
Queue Length 95th (ft)	#391	171	405	66	255	241
Internal Link Dist (ft)		389	585		596	
Turn Bay Length (ft)	250			190		75
Base Capacity (vph)	742	1301	740	747	563	687
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.66	0.27	0.54	0.32	0.43	0.63

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	458	333	379	225	228	409
Future Volume (vph)	458	333	379	225	228	409
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)		5%	-5%		-2%	
Total Lost time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frbp, 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
Fr _t	1.00	1.00	1.00	0.85	1.00	0.85
Fl _t Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1484	1532	1626	1369	1508	1349
Fl _t Permitted	0.26	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	408	1532	1626	1369	1508	1349
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94
Adj. Flow (vph)	487	354	403	239	243	435
RTOR Reduction (vph)	0	0	0	155	0	235
Lane Group Flow (vph)	487	354	403	84	243	200
Confl. Peds. (#/hr)					1	
Heavy Vehicles (%)	3%	5%	4%	5%	5%	5%
Turn Type	pm+pt	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases	2			6		4
Actuated Green, G (s)	62.3	62.3	28.4	28.4	17.7	17.7
Effective Green, g (s)	62.3	62.3	28.4	28.4	17.7	17.7
Actuated g/C Ratio	0.69	0.69	0.32	0.32	0.20	0.20
Clearance Time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Vehicle Extension (s)	0.5	0.5	0.5	0.5	0.5	0.5
Lane Grp Cap (vph)	651	1060	513	431	296	265
v/s Ratio Prot	c0.26	0.23	0.25		c0.16	
v/s Ratio Perm	c0.26			0.06		0.15
v/c Ratio	0.75	0.33	0.79	0.19	0.82	0.75
Uniform Delay, d ₁	11.9	5.5	28.0	22.5	34.6	34.1
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d ₂	4.1	0.1	7.2	0.1	15.8	10.3
Delay (s)	16.1	5.6	35.2	22.5	50.4	44.3
Level of Service	B	A	D	C	D	D
Approach Delay (s)		11.7	30.5		46.5	
Approach LOS		B	C		D	
Intersection Summary						
HCM 2000 Control Delay			28.2		HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio			0.79			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	13.0
Intersection Capacity Utilization			78.4%		ICU Level of Service	D
Analysis Period (min)			15			
c Critical Lane Group						



Lane Group	EBT	WBT	NBL	NBR
Lane Group Flow (vph)	626	386	225	76
v/c Ratio	0.72	0.45	0.55	0.18
Control Delay	13.2	9.2	20.9	5.7
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	13.2	9.2	20.9	5.7
Queue Length 50th (ft)	83	51	43	0
Queue Length 95th (ft)	241	131	122	24
Internal Link Dist (ft)	585	1729	2732	
Turn Bay Length (ft)				150
Base Capacity (vph)	1159	1194	638	626
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.54	0.32	0.35	0.12

Intersection Summary

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔			↔	↔	↔
Traffic Volume (vph)	329	247	0	355	207	70
Future Volume (vph)	329	247	0	355	207	70
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)	-5%			0%	-5%	
Total Lost time (s)	4.5			4.5	4.5	4.5
Lane Util. Factor	1.00			1.00	1.00	1.00
Frt	0.94			1.00	1.00	0.85
Flt Protected	1.00			1.00	0.95	1.00
Satd. Flow (prot)	1536			1618	1545	1409
Flt Permitted	1.00			1.00	0.95	1.00
Satd. Flow (perm)	1536			1618	1545	1409
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	358	268	0	386	225	76
RTOR Reduction (vph)	46	0	0	0	0	56
Lane Group Flow (vph)	580	0	0	386	225	20
Heavy Vehicles (%)	2%	6%	2%	2%	4%	2%
Turn Type	NA			NA	Prot	Perm
Protected Phases	2			6	4	
Permitted Phases			6			4
Actuated Green, G (s)	24.5			24.5	12.1	12.1
Effective Green, g (s)	24.5			24.5	12.1	12.1
Actuated g/C Ratio	0.54			0.54	0.27	0.27
Clearance Time (s)	4.5			4.5	4.5	4.5
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Lane Grp Cap (vph)	825			869	409	373
v/s Ratio Prot	c0.38			0.24	c0.15	
v/s Ratio Perm						0.01
v/c Ratio	0.70			0.44	0.55	0.05
Uniform Delay, d1	7.8			6.4	14.4	12.5
Progression Factor	1.00			1.00	1.00	1.00
Incremental Delay, d2	2.7			0.4	1.6	0.1
Delay (s)	10.6			6.8	16.0	12.5
Level of Service	B			A	B	B
Approach Delay (s)	10.6			6.8	15.1	
Approach LOS	B			A	B	
Intersection Summary						
HCM 2000 Control Delay			10.5		HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio			0.65			
Actuated Cycle Length (s)			45.6		Sum of lost time (s)	9.0
Intersection Capacity Utilization			58.0%		ICU Level of Service	B
Analysis Period (min)			15			

c Critical Lane Group



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	220	223	124	194	199	223
v/c Ratio	0.41	0.37	0.25	0.23	0.50	0.43
Control Delay	15.7	4.5	7.4	7.0	18.6	5.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	15.7	4.5	7.4	7.0	18.6	5.5
Queue Length 50th (ft)	42	0	13	21	38	0
Queue Length 95th (ft)	102	37	41	60	98	39
Internal Link Dist (ft)	1729			4672	1969	
Turn Bay Length (ft)		150	150			150
Base Capacity (vph)	728	741	496	1132	691	741
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.30	0.30	0.25	0.17	0.29	0.30













Intersection Summary

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑	↗	↙	↑	↖	↗
Traffic Volume (vph)	198	201	112	175	179	201
Future Volume (vph)	198	201	112	175	179	201
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	1.00	1.00	0.95	1.00	0.95	1.00
Satd. Flow (prot)	1618	1375	1537	1618	1537	1375
Flt Permitted	1.00	1.00	0.47	1.00	0.95	1.00
Satd. Flow (perm)	1618	1375	756	1618	1537	1375
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	220	223	124	194	199	223
RTOR Reduction (vph)	0	151	0	0	0	166
Lane Group Flow (vph)	220	72	124	194	199	57
Turn Type	NA	Perm	pm+pt	NA	Prot	Perm
Protected Phases	4		3	8	2	
Permitted Phases		4	8			2
Actuated Green, G (s)	13.7	13.7	22.4	22.4	10.8	10.8
Effective Green, g (s)	13.7	13.7	22.4	22.4	10.8	10.8
Actuated g/C Ratio	0.32	0.32	0.53	0.53	0.26	0.26
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	525	446	479	858	393	351
v/s Ratio Prot	c0.14		0.03	c0.12	c0.13	
v/s Ratio Perm		0.05	0.11			0.04
v/c Ratio	0.42	0.16	0.26	0.23	0.51	0.16
Uniform Delay, d1	11.1	10.2	5.3	5.3	13.4	12.2
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	0.5	0.2	0.3	0.1	1.0	0.2
Delay (s)	11.7	10.3	5.6	5.4	14.5	12.4
Level of Service	B	B	A	A	B	B
Approach Delay (s)	11.0			5.5	13.4	
Approach LOS	B			A	B	

Intersection Summary

HCM 2000 Control Delay	10.4	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.44		
Actuated Cycle Length (s)	42.2	Sum of lost time (s)	13.5
Intersection Capacity Utilization	41.8%	ICU Level of Service	A
Analysis Period (min)	15		

c Critical Lane Group

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	170	249	16	161	193	214	11	1079	147	259	676	115
v/c Ratio	0.57	0.83	0.05	0.62	0.65	0.50	0.04	0.89	0.26	0.86	0.37	0.13
Control Delay	43.0	76.6	0.3	45.7	63.6	10.8	27.4	47.5	15.3	57.8	15.1	2.5
Queue Delay	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 Delay	43.0	76.6	0.3	45.7	63.6	10.8	27.4	47.5	15.3	57.8	15.1	2.5
Queue Length 50th (ft)	123	234	0	116	174	0	6	504	43	170	170	0
Queue Length 95th (ft)	190	#373	0	180	264	75	21	612	97	#321	214	26
Internal Link Dist (ft)		4672			562			608			370	
Turn Bay Length (ft)	150		150	150		150	150		150	150		150
Base Capacity (vph)	327	363	367	301	373	476	306	1446	662	349	2178	1008
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.52	0.69	0.04	0.53	0.52	0.45	0.04	0.75	0.22	0.74	0.31	0.11

















Intersection Summary

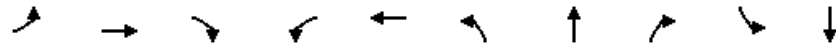
95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (vph)	156	229	15	148	178	197	10	993	135	238	622	106	
Future Volume (vph)	156	229	15	148	178	197	10	993	135	238	622	106	
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	
Grade (%)		4%			-2%			4%			-4%		
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1506	1585	1347	1508	1634	1362	1536	3012	1297	1523	3105	1389	
Flt Permitted	0.40	1.00	1.00	0.32	1.00	1.00	0.39	1.00	1.00	0.10	1.00	1.00	
Satd. Flow (perm)	633	1585	1347	501	1634	1362	638	3012	1297	162	3105	1389	
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)	170	249	16	161	193	214	11	1079	147	259	676	115	
RTOR Reduction (vph)	0	0	13	0	0	175	0	0	45	0	0	47	
Lane Group Flow (vph)	170	249	3	161	193	39	11	1079	102	259	676	68	
Heavy Vehicles (%)	2%	2%	2%	5%	2%	4%	0%	2%	6%	5%	3%	3%	
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	Perm	NA	Perm	pm+pt	NA	Perm	
Protected Phases	7	4		3	8			2		1	6		
Permitted Phases	4		4	8		8	2		2	6		6	
Actuated Green, G (s)	41.1	25.3	25.3	39.1	24.3	24.3	53.7	53.7	53.7	78.3	78.3	78.3	
Effective Green, g (s)	41.1	25.3	25.3	39.1	24.3	24.3	53.7	53.7	53.7	78.3	78.3	78.3	
Actuated g/C Ratio	0.31	0.19	0.19	0.30	0.18	0.18	0.41	0.41	0.41	0.59	0.59	0.59	
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	301	304	258	261	301	250	259	1226	528	303	1843	824	
v/s Ratio Prot	0.07	c0.16		c0.07	0.12			0.36		c0.13	0.22		
v/s Ratio Perm	0.11		0.00	0.11		0.03	0.02		0.08	c0.38		0.05	
v/c Ratio	0.56	0.82	0.01	0.62	0.64	0.16	0.04	0.88	0.19	0.85	0.37	0.08	
Uniform Delay, d1	35.6	51.1	43.2	37.2	49.8	45.2	23.6	36.1	25.2	34.0	13.9	11.5	
Progression 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	
Incremental Delay, d2	2.4	15.6	0.0	4.3	4.6	0.3	0.1	7.6	0.2	20.3	0.1	0.0	
Delay (s)	38.1	66.8	43.2	41.5	54.4	45.5	23.7	43.8	25.3	54.3	14.0	11.5	
Level of Service	D	E	D	D	D	D	C	D	C	D	B	B	
Approach Delay (s)		54.7			47.4			41.4			23.7		
Approach LOS		D			D			D			C		
Intersection Summary													
HCM 2000 Control Delay			38.5									HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio			0.84										
Actuated Cycle Length (s)			131.9									Sum of lost time (s)	18.0
Intersection Capacity Utilization			85.1%									ICU Level of Service	E
Analysis Period (min)			15										

c Critical Lane Group

	→	←	↑	↓
Lane Group	EBT	WBT	NBT	SBT
Lane Group Flow (vph)	278	227	280	302
v/c Ratio	0.60	0.46	0.43	0.38
Control Delay	13.2	9.7	11.3	7.8
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	13.2	9.7	11.3	7.8
Queue Length 50th (ft)	26	18	33	23
Queue Length 95th (ft)	91	66	106	84
Internal Link Dist (ft)	2732	893	1627	1969
Turn Bay Length (ft)				
Base Capacity (vph)	754	799	759	905
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.37	0.28	0.37	0.33
Intersection Summary				

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	129	42	85	52	84	73	79	156	22	21	139	118
Future Volume (vph)	129	42	85	52	84	73	79	156	22	21	139	118
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		-5%			3%			3%			0%	
Total Lost time (s)		4.5			4.5			4.5			4.5	
Lane Util. Factor		1.00			1.00			1.00			1.00	
Flt		0.96			0.95			0.99			0.94	
Flt Protected		0.98			0.99			0.98			1.00	
Satd. Flow (prot)		1530			1475			1537			1519	
Flt Permitted		0.79			0.88			0.82			0.97	
Satd. Flow (perm)		1238			1311			1285			1472	
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)	140	46	92	57	91	79	86	170	24	23	151	128
RTOR Reduction (vph)	0	47	0	0	51	0	0	7	0	0	54	0
Lane Group Flow (vph)	0	231	0	0	176	0	0	273	0	0	248	0
Heavy Vehicles (%)	2%	4%	4%	4%	5%	2%	5%	2%	2%	2%	2%	2%
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		9.5			9.5			15.0			15.0	
Effective Green, g (s)		9.5			9.5			15.0			15.0	
Actuated g/C Ratio		0.28			0.28			0.45			0.45	
Clearance Time (s)		4.5			4.5			4.5			4.5	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		351			371			575			659	
v/s Ratio Prot												
v/s Ratio Perm		c0.19			0.13			c0.21			0.17	
v/c Ratio		0.66			0.47			0.48			0.38	
Uniform Delay, d1		10.6			9.9			6.5			6.1	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d2		4.4			1.0			0.6			0.4	
Delay (s)		15.0			10.9			7.1			6.5	
Level of Service		B			B			A			A	
Approach Delay (s)		15.0			10.9			7.1			6.5	
Approach LOS		B			B			A			A	
Intersection Summary												
HCM 2000 Control Delay			9.7									
HCM 2000 Volume to Capacity ratio			0.55									
Actuated Cycle Length (s)			33.5									
Intersection Capacity Utilization			77.0%									
Analysis Period (min)			15									
c Critical Lane Group												



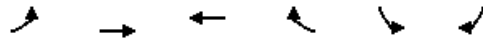
Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	NBR	SBL	SBT
Lane Group Flow (vph)	114	844	446	349	755	229	295	347	63	461
v/c Ratio	1.16	0.93	0.66	1.13	1.09	1.19	0.57	0.44	0.57	1.18
Control Delay	196.1	64.8	26.1	142.0	100.5	175.2	46.4	15.7	82.2	148.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	196.1	64.8	26.1	142.0	100.5	175.2	46.4	15.7	82.2	148.5
Queue Length 50th (ft)	~122	393	226	~368	~775	~250	232	131	56	~497
Queue Length 95th (ft)	#252	#521	356	#569	#1026	#422	337	215	107	#717
Internal Link Dist (ft)		586			2406		2445			560
Turn Bay Length (ft)	100			100		150		90	50	
Base Capacity (vph)	98	905	674	308	690	193	516	787	130	391
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.16	0.93	0.66	1.13	1.09	1.19	0.57	0.44	0.48	1.18

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	108	802	424	332	684	33	218	280	330	60	347	91
Future Volume (vph)	108	802	424	332	684	33	218	280	330	60	347	91
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		3%			-2%			-1%			1%	
Total Lost time (s)	3.5	5.3	5.3	3.5	5.3		3.5	5.0	5.0	3.5	5.0	
Lane Util. Factor	1.00	0.95	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.99	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1457	2969	1328	1568	1590		1544	1626	1368	1560	1538	
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1457	2969	1328	1568	1590		1544	1626	1368	1560	1538	
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)	114	844	446	349	720	35	229	295	347	63	365	96
RTOR Reduction (vph)	0	0	68	0	1	0	0	0	49	0	7	0
Lane Group Flow (vph)	114	844	378	349	754	0	229	295	298	63	454	0
Confl. Peds. (#/hr)	5		5	5		5	9		26	26		9
Confl. Bikes (#/hr)						1						
Heavy Vehicles (%)	6%	4%	4%	1%	4%	2%	2%	2%	3%	0%	2%	4%
Turn Type	Prot	NA	pt+ov	Prot	NA		Prot	NA	pt+ov	Prot	NA	
Protected Phases	5	2	2 3	1	6		3	8	8 1	7	4	
Permitted Phases												
Actuated Green, G (s)	9.5	42.7	65.5	27.5	60.7		17.5	44.5	77.0	8.7	35.7	
Effective Green, g (s)	9.5	42.7	65.5	27.5	60.7		17.5	44.5	77.0	8.7	35.7	
Actuated g/C Ratio	0.07	0.30	0.47	0.20	0.43		0.12	0.32	0.55	0.06	0.25	
Clearance Time (s)	3.5	5.3		3.5	5.3		3.5	5.0		3.5	5.0	
Vehicle Extension (s)	3.0	4.0		3.0	4.0		3.0	3.5		3.0	3.5	
Lane Grp Cap (vph)	98	901	618	306	685		192	514	748	96	390	
v/s Ratio Prot	0.08	0.28	0.28	c0.22	c0.47		c0.15	0.18	0.22	0.04	c0.30	
v/s Ratio Perm												
v/c Ratio	1.16	0.94	0.61	1.14	1.10		1.19	0.57	0.40	0.66	1.16	
Uniform Delay, d1	65.6	47.7	28.1	56.6	40.0		61.6	40.2	18.4	64.5	52.5	
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	141.4	16.8	2.1	95.0	65.2		126.5	1.7	0.4	15.0	98.7	
Delay (s)	207.0	64.5	30.1	151.6	105.2		188.1	41.9	18.9	79.5	151.2	
Level of Service	F	E	C	F	F		F	D	B	E	F	
Approach Delay (s)		65.1			119.9			71.1			142.6	
Approach LOS		E			F			E			F	
Intersection Summary												
HCM 2000 Control Delay			92.4				HCM 2000 Level of Service			F		
HCM 2000 Volume to Capacity ratio			1.16									
Actuated Cycle Length (s)			140.7				Sum of lost time (s)			17.3		
Intersection Capacity Utilization			107.4%				ICU Level of Service			G		
Analysis Period (min)			15									

c Critical Lane Group



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Group Flow (vph)	588	480	321	254	385	513
v/c Ratio	0.90	0.49	0.84	0.48	0.91	0.95
Control Delay	38.7	13.9	61.3	7.9	65.6	50.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	38.7	13.9	61.3	7.9	65.6	50.0
Queue Length 50th (ft)	325	190	232	0	269	222
Queue Length 95th (ft)	#578	284	#386	68	#434	#442
Internal Link Dist (ft)		446	754		596	
Turn Bay Length (ft)	250			190		75
Base Capacity (vph)	673	1063	435	566	530	619
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.87	0.45	0.74	0.45	0.73	0.83

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	576	470	315	249	377	503
Future Volume (vph)	576	470	315	249	377	503
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)		5%	-5%		-2%	
Total Lost time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frbp, ped/bikes	1.00	1.00	1.00	1.00	1.00	0.98
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	1.00	1.00	0.85	1.00	0.85
Flt Protected	0.95	1.00	1.00	1.00	0.95	1.00
Satd. Flow (prot)	1484	1562	1611	1409	1537	1358
Flt Permitted	0.25	1.00	1.00	1.00	0.95	1.00
Satd. Flow (perm)	397	1562	1611	1409	1537	1358
Peak-hour factor, PHF	0.98	0.98	0.98	0.98	0.98	0.98
Adj. Flow (vph)	588	480	321	254	385	513
RTOR Reduction (vph)	0	0	0	193	0	168
Lane Group Flow (vph)	588	480	321	61	385	345
Confl. Peds. (#/hr)						1
Heavy Vehicles (%)	3%	3%	5%	2%	3%	2%
Turn Type	pm+pt	NA	NA	Perm	Prot	Perm
Protected Phases	5	2	6		4	
Permitted Phases	2			6		4
Actuated Green, G (s)	68.9	68.9	26.0	26.0	29.9	29.9
Effective Green, g (s)	68.9	68.9	26.0	26.0	29.9	29.9
Actuated g/C Ratio	0.63	0.63	0.24	0.24	0.27	0.27
Clearance Time (s)	3.0	5.0	5.0	5.0	5.0	5.0
Vehicle Extension (s)	0.5	0.5	0.5	0.5	0.5	0.5
Lane Grp Cap (vph)	650	989	384	336	422	373
v/s Ratio Prot	c0.33	0.31	0.20		0.25	
v/s Ratio Perm	c0.24			0.04		c0.25
v/c Ratio	0.90	0.49	0.84	0.18	0.91	0.93
Uniform Delay, d1	20.8	10.6	39.4	32.9	38.2	38.4
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	15.8	0.1	13.9	0.1	23.4	28.1
Delay (s)	36.5	10.7	53.3	33.0	61.5	66.5
Level of Service	D	B	D	C	E	E
Approach Delay (s)		24.9	44.4		64.4	
Approach LOS		C	D		E	

Intersection Summary

HCM 2000 Control Delay	43.3	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.94		
Actuated Cycle Length (s)	108.8	Sum of lost time (s)	13.0
Intersection Capacity Utilization	91.6%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



Lane Group	EBT	WBT	NBL	NBR
Lane Group Flow (vph)	932	527	170	82
v/c Ratio	0.90	0.65	0.56	0.09
Control Delay	22.3	11.7	34.3	1.5
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	22.3	11.7	34.3	1.5
Queue Length 50th (ft)	233	106	69	0
Queue Length 95th (ft)	#634	237	135	13
Internal Link Dist (ft)	754	1527	2602	
Turn Bay Length (ft)				150
Base Capacity (vph)	1267	1004	457	1159
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.74	0.52	0.37	0.07

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔			↔	↔	↔
Traffic Volume (vph)	493	364	50	435	156	75
Future Volume (vph)	493	364	50	435	156	75
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Grade (%)	-5%			0%	-5%	
Total Lost time (s)	4.5			4.5	4.5	4.5
Lane Util. Factor	1.00			1.00	1.00	1.00
Fr _t	0.94			1.00	1.00	0.85
Fl _t Protected	1.00			0.99	0.95	1.00
Satd. Flow (prot)	1537			1609	1530	1409
Fl _t Permitted	1.00			0.77	0.95	1.00
Satd. Flow (perm)	1537			1238	1530	1409
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	536	396	54	473	170	82
RTOR Reduction (vph)	34	0	0	0	0	28
Lane Group Flow (vph)	898	0	0	527	170	54
Heavy Vehicles (%)	5%	2%	2%	2%	5%	2%
Turn Type	NA		Perm	NA	Prot	Perm
Protected Phases	2			6	4	
Permitted Phases			6			2
Actuated Green, G (s)	42.2			42.2	12.8	42.2
Effective Green, g (s)	42.2			42.2	12.8	42.2
Actuated g/C Ratio	0.66			0.66	0.20	0.66
Clearance Time (s)	4.5			4.5	4.5	4.5
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Lane Grp Cap (vph)	1013			816	306	929
v/s Ratio Prot	c0.58				c0.11	
v/s Ratio Perm				0.43		0.04
v/c Ratio	0.89			0.65	0.56	0.06
Uniform Delay, d ₁	8.9			6.5	23.0	3.9
Progression Factor	1.00			1.00	1.00	1.00
Incremental Delay, d ₂	9.5			1.8	2.2	0.0
Delay (s)	18.4			8.2	25.2	3.9
Level of Service	B			A	C	A
Approach Delay (s)	18.4			8.2	18.3	
Approach LOS	B			A	B	

Intersection Summary

HCM 2000 Control Delay	15.3	HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio	0.81		
Actuated Cycle Length (s)	64.0	Sum of lost time (s)	9.0
Intersection Capacity Utilization	91.9%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group















Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Group Flow (vph)	276	351	268	209	330	163
v/c Ratio	0.60	0.55	0.64	0.26	0.71	0.31
Control Delay	21.2	5.7	17.0	8.4	25.2	4.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	21.2	5.7	17.0	8.4	25.2	4.8
Queue Length 50th (ft)	66	0	42	31	79	0
Queue Length 95th (ft)	133	47	#102	68	#173	33
Internal Link Dist (ft)	1527			4743	1919	
Turn Bay Length (ft)		150	150			150
Base Capacity (vph)	637	754	421	981	605	639
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.43	0.47	0.64	0.21	0.55	0.26

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑	↗	↘	↑	↘	↗
Traffic Volume (vph)	248	316	241	188	297	147
Future Volume (vph)	248	316	241	188	297	147
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00	0.85	1.00	1.00	1.00	0.85
Flt Protected	1.00	1.00	0.95	1.00	0.95	1.00
Satd. Flow (prot)	1618	1375	1522	1602	1537	1375
Flt Permitted	1.00	1.00	0.39	1.00	0.95	1.00
Satd. Flow (perm)	1618	1375	626	1602	1537	1375
Peak-hour factor, PHF	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	276	351	268	209	330	163
RTOR Reduction (vph)	0	251	0	0	0	114
Lane Group Flow (vph)	276	101	268	209	330	49
Heavy Vehicles (%)	2%	2%	3%	3%	2%	2%
Turn Type	NA	Perm	pm+pt	NA	Prot	Perm
Protected Phases	4		3	8	2	
Permitted Phases		4	8			2
Actuated Green, G (s)	13.4	13.4	23.6	23.6	14.2	14.2
Effective Green, g (s)	13.4	13.4	23.6	23.6	14.2	14.2
Actuated g/C Ratio	0.29	0.29	0.50	0.50	0.30	0.30
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	463	393	424	807	466	417
v/s Ratio Prot	0.17		c0.08	0.13	c0.21	
v/s Ratio Perm		0.07	c0.24			0.04
v/c Ratio	0.60	0.26	0.63	0.26	0.71	0.12
Uniform Delay, d1	14.4	12.9	7.5	6.6	14.5	11.8
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00
Incremental Delay, d2	2.1	0.3	3.1	0.2	4.9	0.1
Delay (s)	16.4	13.2	10.6	6.8	19.3	11.9
Level of Service	B	B	B	A	B	B
Approach Delay (s)	14.6			8.9	16.9	
Approach LOS	B			A	B	
Intersection Summary						
HCM 2000 Control Delay			13.6		HCM 2000 Level of Service	B
HCM 2000 Volume to Capacity ratio			0.73			
Actuated Cycle Length (s)			46.8		Sum of lost time (s)	13.5
Intersection Capacity Utilization			60.6%		ICU Level of Service	B
Analysis Period (min)			15			
c Critical Lane Group						

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Group Flow (vph)	224	198	16	245	290	133	6	854	256	215	1026	169
v/c Ratio	0.72	0.60	0.04	0.66	0.82	0.34	0.04	0.83	0.43	0.75	0.64	0.22
Control Delay	39.9	49.3	0.3	33.8	60.9	10.5	25.3	40.0	10.2	35.4	21.1	4.4
Queue Delay	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 Delay	39.9	49.3	0.3	33.8	60.9	10.5	25.3	40.0	10.2	35.4	21.1	4.4
Queue Length 50th (ft)	115	135	0	128	203	5	3	298	33	85	273	10
Queue Length 95th (ft)	#201	223	0	209	#341	57	13	386	101	#189	351	45
Internal Link Dist (ft)		4743			508			691			1591	
Turn Bay Length (ft)	150		150	150		150	150		150	150		150
Base Capacity (vph)	325	380	399	414	436	448	193	1282	699	311	1931	909
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.69	0.52	0.04	0.59	0.67	0.30	0.03	0.67	0.37	0.69	0.53	0.19

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

















Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (vph)	211	186	15	230	273	125	6	803	241	202	964	159	
Future Volume (vph)	211	186	15	230	273	125	6	803	241	202	964	159	
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	
Grade (%)		4%			-2%			4%			-4%		
Total Lost time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	0.95	1.00	
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85	
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1506	1601	1374	1494	1634	1336	1536	2983	1374	1552	3135	1389	
Flt Permitted	0.31	1.00	1.00	0.44	1.00	1.00	0.28	1.00	1.00	0.15	1.00	1.00	
Satd. Flow (perm)	487	1601	1374	699	1634	1336	452	2983	1374	241	3135	1389	
Peak-hour factor, PHF	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	
Adj. Flow (vph)	224	198	16	245	290	133	6	854	256	215	1026	169	
RTOR Reduction (vph)	0	0	13	0	0	98	0	0	124	0	0	68	
Lane Group Flow (vph)	224	198	3	245	290	35	6	854	132	215	1026	101	
Heavy Vehicles (%)	2%	1%	0%	6%	2%	6%	0%	3%	0%	3%	2%	3%	
Turn Type	pm+pt	NA	Perm	pm+pt	NA	Perm	Perm	NA	Perm	pm+pt	NA	Perm	
Protected Phases	7	4		3	8			2		1	6		
Permitted Phases	4		4	8		8	2		2	6		6	
Actuated Green, G (s)	36.8	22.0	22.0	38.8	23.0	23.0	36.9	36.9	36.9	54.5	54.5	54.5	
Effective Green, g (s)	36.8	22.0	22.0	38.8	23.0	23.0	36.9	36.9	36.9	54.5	54.5	54.5	
Actuated g/C Ratio	0.35	0.21	0.21	0.37	0.22	0.22	0.35	0.35	0.35	0.52	0.52	0.52	
Clearance Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	311	332	285	375	355	290	157	1040	479	286	1614	715	
v/s Ratio Prot	c0.10	0.12		0.10	c0.18			c0.29		c0.09	0.33		
v/s Ratio Perm	0.15		0.00	0.14		0.03	0.01		0.10	0.29		0.07	
v/c Ratio	0.72	0.60	0.01	0.65	0.82	0.12	0.04	0.82	0.28	0.75	0.64	0.14	
Uniform Delay, d1	27.1	37.9	33.3	25.7	39.4	33.3	22.7	31.4	24.8	18.6	18.5	13.4	
Progression 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	
Incremental Delay, d2	8.0	2.9	0.0	4.1	13.5	0.2	0.1	5.3	0.3	10.6	0.8	0.1	
Delay (s)	35.1	40.8	33.3	29.7	52.9	33.5	22.8	36.7	25.1	29.2	19.3	13.5	
Level of Service	D	D	C	C	D	C	C	D	C	C	B	B	
Approach Delay (s)		37.6			40.5			34.0			20.1		
Approach LOS		D			D			C			C		
Intersection Summary													
HCM 2000 Control Delay			30.3		HCM 2000 Level of Service						C		
HCM 2000 Volume to Capacity ratio			0.79										
Actuated Cycle Length (s)			105.8		Sum of lost time (s)						18.0		
Intersection Capacity Utilization			83.5%		ICU Level of Service						E		
Analysis Period (min)			15										

c Critical Lane Group

	→	←	↑	↓
Lane Group	EBT	WBT	NBT	SBT
Lane Group Flow (vph)	452	189	320	550
v/c Ratio	0.90	0.39	0.56	0.89
Control Delay	42.1	14.1	15.9	33.5
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	42.1	14.1	15.9	33.5
Queue Length 50th (ft)	148	40	74	158
Queue Length 95th (ft)	#318	87	143	#340
Internal Link Dist (ft)	2602	893	1627	1919
Turn Bay Length (ft)				
Base Capacity (vph)	535	519	644	699
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.84	0.36	0.50	0.79

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.






















												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	211	186	15	64	74	35	67	190	34	100	297	104
Future Volume (vph)	211	186	15	64	74	35	67	190	34	100	297	104
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Grade (%)		-5%			3%			3%			0%	
Total Lost time (s)		4.5			4.5			4.5			4.5	
Lane Util. Factor		1.00			1.00			1.00			1.00	
Frbp, ped/bikes		1.00			1.00			1.00			1.00	
Flpb, ped/bikes		1.00			1.00			1.00			1.00	
Frt		1.00			0.97			0.98			0.97	
Flt Protected		0.97			0.98			0.99			0.99	
Satd. Flow (prot)		1599			1486			1547			1557	
Flt Permitted		0.76			0.78			0.82			0.88	
Satd. Flow (perm)		1254			1186			1281			1376	
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	232	204	16	70	81	38	74	209	37	110	326	114
RTOR Reduction (vph)	0	2	0	0	15	0	0	8	0	0	16	0
Lane Group Flow (vph)	0	450	0	0	174	0	0	312	0	0	534	0
Confl. Peds. (#/hr)	2					2						
Heavy Vehicles (%)	2%	3%	3%	5%	4%	2%	3%	2%	2%	2%	2%	2%
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		22.4			22.4			24.6			24.6	
Effective Green, g (s)		22.4			22.4			24.6			24.6	
Actuated g/C Ratio		0.40			0.40			0.44			0.44	
Clearance Time (s)		4.5			4.5			4.5			4.5	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		501			474			562			604	
v/s Ratio Prot												
v/s Ratio Perm		c0.36			0.15			0.24			c0.39	
v/c Ratio		0.90			0.37			0.56			0.88	
Uniform Delay, d1		15.7			11.8			11.6			14.4	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d2		18.5			0.5			1.2			14.4	
Delay (s)		34.2			12.3			12.8			28.7	
Level of Service		C			B			B			C	
Approach Delay (s)		34.2			12.3			12.8			28.7	
Approach LOS		C			B			B			C	
Intersection Summary												
HCM 2000 Control Delay			25.0				HCM 2000 Level of Service				C	
HCM 2000 Volume to Capacity ratio			0.89									
Actuated Cycle Length (s)			56.0				Sum of lost time (s)			9.0		
Intersection Capacity Utilization			80.4%				ICU Level of Service			D		
Analysis Period (min)			15									
c Critical Lane Group												



Lane Group	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT	SBR
Lane Group Flow (vph)	265	833	197	761	258	845	310	1114	291
v/c Ratio	1.04	0.95	0.88	0.93	0.94	1.17	1.06	1.46	0.68
Control Delay	117.4	63.3	88.2	62.3	91.0	132.0	118.1	248.4	29.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	117.4	63.3	88.2	62.3	91.0	132.0	118.1	248.4	29.6
Queue Length 50th (ft)	~231	~348	155	307	205	~425	~276	~662	105
Queue Length 95th (ft)	#404	#499	#271	#433	#360	#557	#459	#798	215
Internal Link Dist (ft)		2406		1536		1967		1098	
Turn Bay Length (ft)	300		175		175		150		175
Base Capacity (vph)	255	875	255	814	292	723	292	764	425
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	1.04	0.95	0.77	0.93	0.88	1.17	1.06	1.46	0.68

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	257	637	171	191	580	158	250	718	102	301	1081	282
Future Volume (vph)	257	637	171	191	580	158	250	718	102	301	1081	282
Ideal Flow (vphpl)	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
Total Lost time (s)	3.0	5.0		3.0	5.0		3.0	5.0		3.0	5.0	5.0
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95		1.00	0.95	1.00
Frbp, ped/bikes	1.00	0.99		1.00	0.99		1.00	1.00		1.00	1.00	0.91
Flpb, ped/bikes	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	1.00
Frt	1.00	0.97		1.00	0.97		1.00	0.98		1.00	1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	1.00
Satd. Flow (prot)	1522	2923		1522	2921		1522	2976		1522	3044	1245
Flt Permitted	0.95	1.00		0.95	1.00		0.95	1.00		0.95	1.00	1.00
Satd. Flow (perm)	1522	2923		1522	2921		1522	2976		1522	3044	1245
Peak-hour factor, PHF	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Adj. Flow (vph)	265	657	176	197	598	163	258	740	105	310	1114	291
RTOR Reduction (vph)	0	19	0	0	20	0	0	9	0	0	0	113
Lane Group Flow (vph)	265	814	0	197	741	0	258	836	0	310	1114	178
Confl. Peds. (#/hr)	24		21	21		24	31		14	14		31
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Turn Type	Prot	NA		Prot	NA		Prot	NA		Prot	NA	Perm
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases												4
Actuated Green, G (s)	21.0	36.6		18.4	34.0		22.6	30.0		24.0	31.4	31.4
Effective Green, g (s)	21.0	36.6		18.4	34.0		22.6	30.0		24.0	31.4	31.4
Actuated g/C Ratio	0.17	0.29		0.15	0.27		0.18	0.24		0.19	0.25	0.25
Clearance Time (s)	3.0	5.0		3.0	5.0		3.0	5.0		3.0	5.0	5.0
Vehicle Extension (s)	1.0	6.0		1.0	6.0		1.0	6.0		1.0	6.0	6.0
Lane Grp Cap (vph)	255	855		224	794		275	714		292	764	312
v/s Ratio Prot	c0.17	c0.28		0.13	0.25		0.17	0.28		c0.20	c0.37	
v/s Ratio Perm												0.14
v/c Ratio	1.04	0.95		0.88	0.93		0.94	1.17		1.06	1.46	0.57
Uniform Delay, d1	52.0	43.3		52.2	44.4		50.5	47.5		50.5	46.8	40.9
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00		1.00	1.00	1.00
Incremental Delay, d2	67.0	20.7		29.2	18.8		37.2	91.4		69.9	213.4	7.4
Delay (s)	119.0	64.0		81.4	63.2		87.7	138.9		120.4	260.2	48.3
Level of Service	F	E		F	E		F	F		F	F	D
Approach Delay (s)		77.3			66.9			126.9			199.0	
Approach LOS		E			E			F			F	
Intersection Summary												
HCM 2000 Control Delay			129.3									F
HCM 2000 Volume to Capacity ratio			1.14									
Actuated Cycle Length (s)			125.0							16.0		
Intersection Capacity Utilization			107.6%									G
Analysis Period (min)			15									

c Critical Lane Group