

Oregon Department of Transportation's All Roads Transportation Safety (ARTS) Program Systemic Application

Application Summary Page

This page will autofill once the full application is completed

Important: Review and follow the step-by-step [Application Instructions](#) as you complete this application. Failure to do so will result in an incomplete application or an application with fatal flaws that will be excluded from the ranking and selection process.

Submitted By (Agency)
Oregon Dept. of Transportation

ODOT Region
2

County
Clatsop

City (if applicable)
Astoria

Project Location:

Lower Columbia River Hwy (US-30, Hwy 92/2W) MP 98.10 - 98.34
Marine Drive at 14th (RB1 MP 98.13), Marine Drive at 11th (RB1 MP 98.27), Marine Drive at 9th (RB1 MP 98.36)
Commercial Drive at 14th (RB2 MP 98.10), Commercial Drive at 11th (RB2 98.25), Commercial Drive at 9th (RB2 MP 98.34)

Project Description:

Through the Astoria couplet, the proposed project will install signal detection and coordination, pedestrian countdown heads and reflective backplates on the signal heads. Also included in the depicted cost of the project is new conduit, new signal controllers and tattle tale lights.

Countermeasure 1: I2: Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number

Countermeasure 2: I6: Install Coordination or Adaptive Signal Timing of Urban Traffic Signals

Countermeasure 3: BP1: Install Pedestrian Countdown Timer(s)

Total Annual Exp. Benefit: \$404,000

Total Project Cost: \$350,000

Benefit-Cost Ratio: 14.38

Part 1: Basic Project Information

Agency: County:

ODOT Region: City (if applicable):

Total number of applications being submitted by your agency:

Contact Person Information

Name (Last, First): Sally Slayer

Position/Title of Contact Person: Traffic Engineer

Email: sally.slayer@email.com Telephone: (123) 456-7890

Address: 555 Any Street

City: Salem Zip Code: 98765

Project Information

Project Location:
 - List all Hwy and MP Ranges or Mainline Streets and Intersecting Streets (See [Instructions](#))

Lower Columbia River Hwy (US-30, Hwy 92/2W) MP 98.10 - 98.34
 Marine Drive at 14th (RB1 MP 98.13), Marine Drive at 11th (RB1 MP 98.27), Marine Drive at 9th (RB1 MP 98.36)
 Commercial Drive at 14th (RB2 MP 98.10), Commercial Drive at 11th (RB2 98.25), Commercial Drive at 9th (RB2 MP 98.34)

Project Description:
 - Be brief (limited to size of description box (See [Instructions](#)))

Through the Astoria couplet, the proposed project will install signal detection and coordination, pedestrian countdown heads and reflective backplates on the signal heads. Also included in the depicted cost of the project is new conduit, new signal controllers and tattle tale lights.

Identify your MPO (if applicable):

Road Character at the Project Location:

Functional Classification: Required:
 Optional:

(For functional classification, visit [ODOT Transportation Data](#) site)

Posted Speed (mph):

Average Daily Traffic:
 - List highest ADT Values and their respective ADT Year(s) collected (See [Instructions](#))

	ADT	Year(s) Collected
Major Road	18,000 - 20,000	2013
Minor Road	4560 - 5760	2011

Additional Project Information

Identify the focus area of the proposed project:
(For guidance, see application [Instructions](#))

Intersections

How were the safety needs and potential countermeasures for this project first identified?

Highway, Local Roads SPIS or OASIS

Which of the Oregon Transportation Safety Action Plan (TSAP) Emphasis Areas does this project primarily address?

(Refer to [Transportation Safety](#) site for more information)

Engineering solutions to reduce Intersection crashes

Additional Project Information

MATCH REQUIREMENT

Important: The Federal Highway Safety Improvement Program (HSIP) currently requires a 7.78% match for projects. Within the ARTS program ODOT will require participating agencies to contribute match to the project. This will require local agencies to come up with the 7.78% non-federal cash match. If the local agency fails to identify local matching funds, the local agency and ODOT Region staff should work together to develop a funding plan for local match subject to Highway Administrator approval.

Is your Agency prepared to contribute the required 7.78% match for the proposed project?

ADDITIONAL PROJECT FUNDING

Are you intending to combine the requested ARTS funds with another funding source?

The Match Requirement is not an additional funding source to be identified with this question

If you answered "Yes" to Question 2, please use the space below to identify a) the type of funding you intend to combine with the requested HSIP funds and b) what project elements the proposed HSIP project will be combined with.

[Empty text box for funding details]

If you answered "Yes" to Question 2 and the other funding source is through ODOT's Enhance program, please list your primary ODOT contact person for the Enhance Program application below.

[Empty text box for ODOT contact person]

Part 2: Narrative Questions

(See application [Instructions](#))

These narrative questions are intended to provide additional project details for the application reviewers and project files. Application reviewers will use the information in their "fatal flaw" assessment of the application, including:

- 1) The project scope is eligible for HSIP funding;
- 2) The countermeasures used in the B/C ratio calculation are appropriately applied based on the scope of the project;
- 3) The crash data used in the B/C ratio calculation is appropriately applied based on the scope of the project and countermeasures used;
- 4) The costs included in the application represent the likely total project cost necessary to fully construct the proposed scope. If the proposed project is part of a larger construction project with alternative funding sources, the entire scope of the larger project must be identified on PAGE 5;
- 5) The application data and attachments are reasonable and meet accepted traffic engineering and transportation safety principles.

If significant inconsistencies or errors are found in the application information, the ODOT reviewers may conclude that the application includes one or more "fatal flaws" and the application will be dropped from further funding considerations. The applicant will not be notified of ODOT's findings until after the selection process is complete.

1. Overall Identification of Need

Describe how the agency identified the project as one of its top safety priorities. Was a data-driven, safety evaluation of the entire project corridor completed? Do the proposed project location(s) represent some of the agency's highest crash concentrations? (limited to the text box below)

ODOT Region 2 used the OASIS tool (specifically the collision types function) to prioritize signalized corridors that would most benefit from signal enhancements. The US-30 couplet section through Astoria was flagged on this list.

2. Potential for Proposed Improvements to Reduce Fatalities & Serious Injuries

Describe the primary causes of the collisions that have occurred within the project limits. Are there patterns in the crash types? Clearly demonstrate the connection between the problem and the proposed countermeasures utilized in the Benefit/Cost Ratio calculations. Depending on the nature of the project, explain why the agency choose to pursue *systemic* improvements. (limited to text box below). *Note*: Safety improvements that do not have countermeasures and crash reduction factors identified in the application guidelines can be included in the project scope, they just won't be added to the project's B/C ratio shown in the application.

If the proposed project is intended to use 100% Bike/Ped funds then this question can be explained with the the Cost-Effectiveness Index.

High volumes of vehicles and pedestrians and a lot of visual distractions, including on street parking. Improving visibility of signals can help traffic control devices stand out among other visual distractions. Detection and more efficient coordination can allow for larger gaps for pedestrian and vehicle movements at unsignalized intersections and can create more time for parking maneuvers. Pedestrian countdown timers provide a clear message to pedestrians on the crossing time needed to safety cross the street.

3. Crash Data Evaluation

Explain how the influence areas for each separate countermeasure were established. Describe how the limits of the crash data were established for each countermeasure to ensure only appropriate crashes were included in the Crash Report(s), Collision Diagram(s) and B/C calculations. (limited to text box below).

If the proposed project is intended to use 100% Bike/Ped funds, then this space can be used to explain the Cost-Effectiveness Index.

All listed countermeasures apply to signalized intersections and only crashes at and within 50 ft of the signals were included in the benefit/cost analysis. The proposed project limits are defined by the initial signals entering and exiting the couplet. Since countdown pedestrian timers only apply to pedestrian crashes and the signal timing/visibility enhancements apply to all crashes, the combination B/C was used. The attached crash report shows all corridor crashes between the two initial signals upon entering the couplet.

4. Prior Attempts to Address the Safety Issue

If appropriate, list all other projects/countermeasures that have been (or are being) deployed at this location. (limited to text box below)

None.

5. Potential for Inclusion into a Larger Project

If the proposed project is a piece of a larger construction project with alternative funding sources, the entire scope of the larger project must be identified in the box provided below with an explanation on what HSIP funding is expected to cover within the larger project. (limited to text box below)

None.

Part 3(a): Roadway Departure and Intersection Countermeasures, Crash Data and BENEFIT/COST Analysis

(See application [Instructions](#))

In the process of completing this application, the agency is required to utilize the [Cost Estimator](#) and [Benefit/Cost Analysis](#) worksheets. Benefit/Cost Analysis is required for **Roadway Departure and Intersection** ARTS funding applications.

The Cost Estimator and Benefit/Cost Analysis worksheets must be included as part of the official application as two of the attachments.

NOTE: If any of the values inputted on this sheet do not match the values from the Cost Estimator and Benefit/Cost worksheets, THE APPLICATION WILL BE REJECTED. **Be careful and confirm the numbers!**

Crash Data Dates from: to:

Most recent 5 years required

(Refer to [Crash Data](#) site)

Number of Fatal and Injury A (Serious Injury) Crashes:

(Within the time period and roadway segment listed on the Benefit/Cost Analysis worksheet)

Total Expected Annual Benefit:

Total Project Cost:

Use of the provided cost estimator spreadsheet is REQUIRED

Project's Benefit/Cost Ratio:

Number of countermeasures utilized:

(Refer to [ODOT CRF](#) List)

Countermeasure 1: I2: Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and Number

Countermeasure 2: I6: Install Coordination or Adaptive Signal Timing of Urban Traffic Signals

Countermeasure 3: BP1: Install Pedestrian Countdown Timer(s)

Part 3(b): Bicycle and Pedestrian Countermeasures, Crash Data and COST-EFFECTIVENESS Index

(See application [Instructions](#))

In the process of completing this application for Bicycle and Pedestrian ARTS funding, the agency is required to utilize the [Cost Estimator](#) and [Cost-Effectiveness Index](#) worksheets. Cost-Effectiveness Index is only required for **Bicycle and Pedestrians** ARTS funding applications.

The Cost Estimator and Cost-Effectiveness Index worksheets must be included as part of the official application as two of the attachments.

NOTE: If any of the values inputted on this sheet do not match the values from the Cost Estimator and Cost-Effectiveness Index worksheets, THE APPLICATION WILL BE REJECTED. **Be careful and confirm the numbers!**

Cost-Effectiveness Index completed for Bicycle, Pedestrian or both users?

Crash Data Dates from: to:
Most recent 5 years required
(Refer to ODOT [Crash Data](#) site)

Number of Fatal and Injury A (Serious Injury) Crashes (if any):

Peds	Bikes
<input type="text"/>	<input type="text"/>

Total Project Cost:
Use of the provided cost estimator spreadsheet is REQUIRED

Project's Cost-Effectiveness Index:

Number of countermeasures utilized:
(Refer to [ODOT CRF](#) List)

Countermeasure 1: _____

Countermeasure 2: _____

Countermeasure 3: _____

Part 4: Application Attachments(See application [Instructions](#))

Check all attachments included in this application.

<u>Attachment Item</u>	<u>Requirement?</u>
<input checked="" type="checkbox"/> Cost Estimator Worksheet	Required
<input checked="" type="checkbox"/> Benefit/Cost Analysis or Cost-Effectiveness Index Worksheet(s)	Required
<input checked="" type="checkbox"/> Aerial Vicinity Map / Location Map	Required
<input checked="" type="checkbox"/> Ground View Pictures of Existing Conditions	Required
<input checked="" type="checkbox"/> Project Sketch Showing Existing and Proposed Conditions	Required
<input checked="" type="checkbox"/> Crash Report(s)	Required
<input type="checkbox"/> Warrant Studies	Required (where applicable)
<input type="checkbox"/> Collision Diagram(s)	Optional
<input type="checkbox"/> Additional Narration, Documentation, Letters of Support, etc.	Optional

Part 5: Project Commitment

(See application [Instructions](#))

Application Verification & Project Commitment

To ensure the agency's commitment to the safety project and the accuracy of the application, the application must list the Agency's Transportation/Traffic Engineering Manager.

The manager listed below is attesting to:

1. The application is accurate and represents the total scope of the planned project;
2. The agency understands the Project Delivery Requirements for the ARTS Program, is prepared to meet these requirements and commits to funding the necessary match;
3. The agency (other than the Oregon Department of Transportation) understands that they will be required to sign an Intergovernmental Agreement (IGA) with ODOT prior to receiving any project funds. The IGA with the state will detail the requirements for the use and management of requested funds; and
4. The agency understands if ODOT staff determine that any of the above requirements are not met, or data is inaccurate, or the application fails to meet the program guidelines and application instructions, the application will be rejected and will not be eligible to receive federal safety funding.

Transportation Manager:

Name (Last, First): Slayer, Sally

Title: Traffic Engineer

Signature: _____ (No signature required if submitted electronically)

Date: 01/07/2015

I am submitting an electronic copy of my application. Electronic submittal was approved by the identified authorizing individual.



OREGON DEPARTMENT OF TRANSPORTATION

Highway Safety Improvement Program (HSIP)

COST ESTIMATION WORKSHEET

See Instructions

All costs related to the proposed project must be accounted for on this worksheet, including costs covered by other types of funding. List funding amounts from other sources in the "Non-Eligible Costs" section.

Do not enter in shaded fields (calculated - read only). List estimated costs for the various activities listed below, as applicable to proposed project. Round all costs up to the nearest hundred dollars. For each activity listed below, write a description of the items included. Please list the items separated by a comma (,) as space is limited.

Project Name: US-30: Astoria Signalized Intersection Improvements

Project Description: Systemic Signalized Intersection Improvements

Route Number: US-30 **Street or Highway Name:** Lower Columbia River

MP Range or Cross Street: 98.10 - 98.34

County: Clatsop **City:** Astoria

	Enter Monetary Values in this Column	Description
Project Administration	\$0	Part of PE Estimate
Staff Costs (for Service/Educational Projects)	\$0	Part of PE Estimate
Project Development and PE	\$54,000	
Environmental Work	\$0	None - only affecting existing signal equipment
Coordination and Outreach	\$3,500	1% of total
Leased Space	\$0	None - within existing ROW
Building Purchase and/or Right of Way	\$0	None - within existing ROW
Capital Equipment	\$0	None
Non-Construction Project Costs Total	\$57,500	
Utility Relocation	\$0	None - only affecting existing signal equipment
Construction	\$292,500	
Construction Project Costs Total	\$292,500	
Total Eligible Project Cost	\$350,000	
Non-Eligible Costs (other project non-transportation expenditures, e.g. un-reimbursable utilities)	\$0	None



**OREGON DEPARTMENT OF TRANSPORTATION
HIGHWAY SAFETY PROJECTS
BENEFIT/COST ANALYSIS WORKSHEET**

For Office Use Only
File Code: PRO 08 - _____ - _____

Project Name: **US-30: Astoria Signalized Intersection Improvements** Region: **2** Date: **1/5/14**

Project on Local Agency Facility
Route Number: _____ Street Name: _____ MP Range or Cross Street: _____

Project on State Highway
Route Number: **US-30** Hwy Name: **LOWER COLUMBIA RIVER** MP From: **98.10** To: **98.34**

Road Character: **URBAN** Facility Type: **OTHER STATE HIGHWAY**

County: **CLATSOP** City: **Astoria** Crash Data From: **4/1/2009** To: **3/31/2014**

Project Description: **Systemic Signalized Intersection Improvements**

Prepared By: **Sally Slayer** Title: **Traffic Engineer**

Countermeasure	Fatal Crash Reduction Factor	Injury Crash Reduction Factor	PDO Crash Reduction Factor
Countermeasure 1 I2: Improve Signal Hardware: Lenses, Reflectorized Back plates, Size, and	20%	20%	20%
Countermeasure 2 I6: Install Coordination or Adaptive Signal Timing of Urban Traffic Signals	7%	7%	7%
Countermeasure 3			
Countermeasure 4			
	26% ¹	26% ¹	26% ¹

	Number of Crashes	Number of Preventable Crashes	Economic Value per Crash	Total Economic Value
Fatal Crashes	1	0.3	\$1,170,000	= \$ 300,000
Severe (Injury A) Injury Crashes	1	0.3	\$1,170,000	= \$ 300,000
Moderate (Injury B) Injury Crashes	2	0.5	\$70,600	= \$ 36,000
Minor (Injury C) Injury Crashes	2	0.5	\$70,600	= \$ 36,000
PDO Crashes	9	2.3	\$19,400	= \$ 45,000

Comprehensive Economic Value per Crash		
Highway Type	Urban	Rural
All facilities		
	PDO ³	
	\$19,400	\$19,400
Moderate (Injury B) and Minor (Injury C) Injury ⁴		
Interstate	\$69,300	\$79,200
Other State Highway	\$70,600	\$81,900
Off System	\$72,400	\$83,900
Fatal and Severe (Injury A) Injury ⁴		
Interstate	\$1,150,000	\$2,330,000
Other State Highway	\$1,170,000	\$1,680,000
Off System	\$870,000	\$1,670,000

Total Crash Value for **60** Months = **\$ 717,000**

Annual Benefits = $\frac{\text{Total Crash Value}}{\text{Total Months} / 12}$ = **\$ 143,000**

Estimated Project Cost = **\$ 200,000**

Uniform Series Present Worth Factor (5%)		
5 years	10 years	20 years
4.33	7.72	12.46

B/C Ratio = $\frac{\text{Annual Benefits X Present Worth Factor (10 or 20 years)}}{\text{Estimated Project Cost}}$

B/C Ratio = $\frac{\$ 143,000 \times 12.46}{\$ 200,000}$ = **8.91**

- Notes**
- 1 Composite crash reduction factor calculated if more than one countermeasure is applied
 - 2 Select a PWF for the life of countermeasure. See instructions
 - 3 PDO value is adjusted with an under reporting factor of 2.0.
 - 4 Economic costs per crash are calculated using cost source and procedures shown in Appendix 4A of the Highway Safety Manual, updated to 2012 dollars.



**OREGON DEPARTMENT OF TRANSPORTATION
HIGHWAY SAFETY PROJECTS
BENEFIT/COST ANALYSIS WORKSHEET**

For Office Use Only
File Code: PRO 08 - _____

Project Name: **US-30: Astoria Signalized Intersection Improvements** Region: **2** Date: **1/5/14**

Project on Local Agency Facility
Route Number: _____ Street Name: _____ MP Range or Cross Street: _____

Project on State Highway
Route Number: **US-30** Hwy Name: **LOWER COLUMBIA RIVER** MP From: **98.10** To: **98.34**

Road Character: **URBAN** Facility Type: **OTHER STATE HIGHWAY**

County: **CLATSOP** City: **Astoria** Crash Data From: **4/1/2009** To: **3/31/2014**

Project Description: **Systemic Signalized Intersection Improvements**

Prepared By: **Sally Slayer** Title: **Traffic Engineer**

Countermeasure	Collision Type	Crash Reduction Factor
Countermeasure 1	BP1: Install Pedestrian Countdown Timer(s)	70%
Countermeasure 2		
Countermeasure 3		
Countermeasure 4		

Collision Type	Number of Crashes	Number of Preventable Crashes		Economic Value per Crash		Total Economic Value
		Number of Crashes	Economic Value per Crash	Number of Preventable Crashes	Economic Value per Crash	
Pedestrian						
Fatal and Severe - Fat & Inj A Crashes	1.5	1.1	\$1,170,000	=	\$	1,229,000
Mod and Minor - Injury B & C Crashes	1.5	1.1	\$70,600	=	\$	74,000
PDO Crashes		0.0	\$19,400	=	\$	-
<hr/>						
0						
Fatal and Severe - Fat & Inj A Crashes		0.0	\$1,170,000	=	\$	-
Mod and Minor - Injury B & C Crashes		0.0	\$70,600	=	\$	-
PDO Crashes		0.0	\$19,400	=	\$	-
<hr/>						
0						
Fatal and Severe - Fat & Inj A Crashes		0.0	\$1,170,000	=	\$	-
Mod and Minor - Injury B & C Crashes		0.0	\$70,600	=	\$	-
PDO Crashes		0.0	\$19,400	=	\$	-
<hr/>						
0						
Fatal and Severe - Fat & Inj A Crashes		0.0	\$1,170,000	=	\$	-
Mod and Minor - Injury B & C Crashes		0.0	\$70,600	=	\$	-
PDO Crashes		0.0	\$19,400	=	\$	-

Comprehensive Economic Value per Crash		
Highway Type	Urban	Rural
PDO ³		
All facilities	\$19,400	\$19,400
Moderate (Injury B) and Minor (Injury C) Injury ⁴		
Interstate	\$69,300	\$79,200
Other State Highway	\$70,600	\$81,900
Off System	\$72,400	\$83,900
Fatal and Severe (Injury A) Injury ⁴		
Interstate	\$1,150,000	\$2,330,000
Other State Highway	\$1,170,000	\$1,680,000
Off System	\$870,000	\$1,670,000

Total Crash Value for **60** Months = **\$ 1,303,000**

Annual Benefits = $\frac{\text{Total Crash Value}}{\text{Total Months} / 12}$ = **\$ 261,000**

Estimated Project Cost = **\$ 150,000**

Uniform Series Present Worth Factor (5%)		
5 years	10 years	20 years
4.33	7.72	12.46

B/C Ratio = $\frac{\text{Annual Benefits X Present Worth Factor (10 or 20 years)}}{\text{Estimated Project Cost}}$

B/C Ratio = $\frac{\$ 261,000 \times 12.46}{\$ 150,000}$ = **21.68**

- Notes**
- 1 Composite crash reduction factor calculated if more than one countermeasure is applied
 - 2 Select a PWF for the life of countermeasure. See instructions
 - 3 PDO value is adjusted with an under reporting factor of 2.0.
 - 4 Economic costs per crash are calculated using cost source and procedures shown in Appendix 4A of the Highway Safety Manual, updated to 2012 dollars.



**OREGON DEPARTMENT OF TRANSPORTATION
HIGHWAY SAFETY PROJECTS
BENEFIT/COST ANALYSIS WORKSHEET**

For Office Use Only
File Code: PRO 08 - _____ - _____

Project Name: **US-30: Astoria Signalized Intersection Improvements** Region: **2** Date: **1/5/14**

Project on Local Agency Facility
Route Number: _____ Street Name: _____ MP Range or Cross Street: _____

Project on State Highway
Route Number: **US-30** Hwy Name: **LOWER COLUMBIA RIVER** MP From: **98.10** To: **98.34**

Road Character: **URBAN** Facility Type: **OTHER STATE HIGHWAY**

County: **CLATSOP** City: **Astoria** Crash Data From: **4/1/2009** To: **3/31/2014**

Project Description: **Systemic Signalized Intersection Improvements**

Prepared By: **Sally Slayer** Title: **Traffic Engineer**

This sheet is a combination of benefits from the Severity worksheet and the Crash Type worksheet if both are used

from Severity Worksheet:	Annual Benefits	\$ 143,000	Project Costs	\$ 200,000
from Crash Type Worksheet:	Annual Benefits	\$ 261,000	Project Costs	\$ 150,000

Uniform Series Present Worth Factor (5%)		
5 years	10 years	20 years
4.33	7.72	12.46

$$\text{B/C Ratio} = \frac{\text{Annual Benefits X Present Worth Factor (10 or 20 years)}}{\text{Estimated Project Cost}}$$

$$\text{B/C Ratio} = \frac{\$ 404,000 \times 12.46}{\$ 350,000} = 14.38$$

Notes

- 1 Composite crash reduction factor calculated if more than one countermeasure is applied
- 2 Select a PWF for the life of countermeasure. See instructions
- 3 PDO value is adjusted with an under reporting factor of 2.0.
- 4 Economic costs per crash are calculated using cost source and procedures shown in Appendix 4A of the Highway Safety Manual, updated to 2012 dollars.



1



2



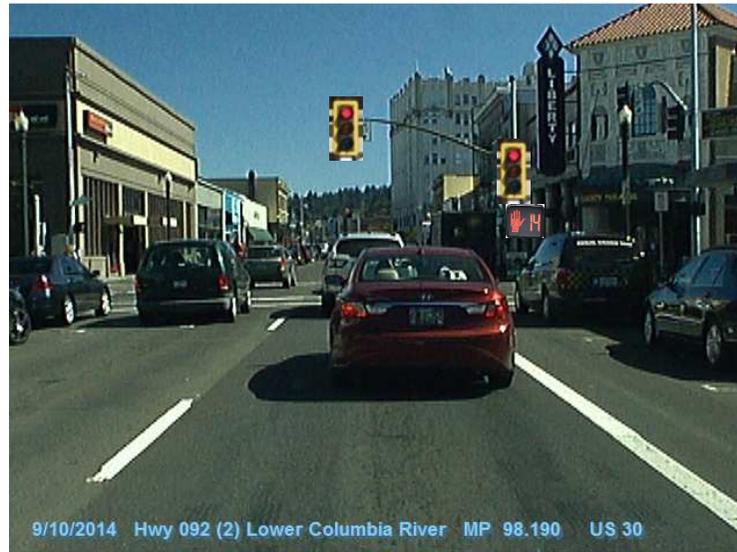
3



4



5



6

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44

*****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

SER # INVEST	SPEED LIMIT	ALCOHOL DRUG	SCH ZONE WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RDNDBT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TRLR QTY OWNER TYPE	MOVE FROM TO	PARTC #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																									VEHICLE (PARTICIPANT)	VEHICLE (PARTICIPANT)	VEHICLE (PARTICIPANT)	VEHICLE (PARTICIPANT)	VEHICLE (PARTICIPANT)	VEHICLE (PARTICIPANT)		
00565 CITY	N	N	N	11/26/2013 Tuesday 2P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.13	MARINE DR 14TH ST	INTER CN 03	3-LEG (0)	N TRF SIGNAL	N N	CLR DRY DAY	ANGL-OTH TURN PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT SE-NW	1	DRVR	NONE	0	UNK UNK UNK			020-Disrg Traffic Signal	000-No Action (000-No Action)	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G				
													2	NONE 0 PRVTE PSNGR CAR	TURN-L S-NW	1	DRVR	NONE	90	F	OR-Y OR<25			000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				
00106 CITY	N	N	N	03/19/2010 Friday 4P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.17	MARINE DR 12TH ST	STRGHT E 07	(NONE) (2)	N ONE-WAY	Y N	CLR DRY DAY	PRKD MV TURN PDO	1	NONE 0 PRVTE PSNGR CAR	TURN-L S-W	1	DRVR	NONE	42	M	OR-Y OR<25			083-Over Correcting 080-Fail To MaintainLane 081-Ran Off Road	018-Ent Frm Alley/Dwy (000-No Action)	08-Improper Turn	00-No Code	08-Improper Turn			
													2	NONE 0 PRVTE PSNGR CAR	PRKD-P E-W	0																
00287 NO RPT	N	N	N	07/15/2011 Friday 2P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.18	MARINE DR 12TH ST	STRGHT E 03	(NONE) (2)	N ONE-WAY	N N	RAIN WET DAY	S-STRGHT SS-O PDO	1	NONE 1 PRVTE SEMI TOW	STRGHT E-W	1	DRVR	NONE	48	M	OTH-Y N-RES			028-No ROW 045-Improper Lane Chng	088-Other (000-No Action)	02-Failed Yield ROW 13-Improper Lane Chng	00-No Code	02-Failed Yield ROW 13-Improper Lane Chng			
													2	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	24	F	OTH-Y N-RES			000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				
00216 NO RPT	N	N	N	05/20/2009 Wednesday 4P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	MARINE DR 12TH ST	STRGHT E 03	(NONE) (2)	N ONE-WAY	N Y	CLR DRY DAY	S-1TURN TURN PDO	1	NONE 0 UNKN UNKNOWN	STRGHT E-W	1	DRVR	NONE	0	UNK UNK UNK					000-No Error	000-No Action (000-No Action)	08-Improper Turn	00-No Code	00-No Code		
													2	NONE 1 PRVTE PSNGR CAR	TURN-L E-S	1	DRVR	NONE	71	F	OTH-Y N-RES			006-Tum From Wrong Ln	019-Ent Alley/Dwy Frm Rd (000-No Action)		00-No Code	08-Improper Turn				
00417 CITY	N	N	N	09/10/2009 Thursday 5P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	MARINE DR 12TH ST	INTER S 05	CROSS (0)	N STOP SIGN	N N	CLR DRY DAY	PED PED INJ	1	NONE 0 PRVTE PSNGR CAR	TURN-L E-S	1	DRVR	NONE	62	M	OR-Y OR<25			029-Falid Yld ROW Ped 016-Inattention	000-No Action (038-Driver Distracted)	02-Failed Yield ROW 27-Inattention	00-No Code	02-Failed Yield ROW 27-Inattention			
													0	0	STRGHT W-E	1	PED	INJB	81	F		I XWLK		000-No Error (034-Cross Inter-NoSignal)			00-No Code					
00138 NONE	N	N	N	04/13/2009 Monday 8A	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	MARINE DR 12TH ST	STRGHT W 04	(NONE) (2)	N ONE-WAY	N N	CLR WET DAY	S-1STOP REAR INJ	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	49	F	OR-Y OR<25			026-Falid Avoid Stop Veh	000-No Action (000-No Action)	092-Phantom Vehicle	07-Followed too Closely	00-No Code	07-Followed too Closely		
													2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	INJC	38	F	OR-Y OR<25			000-No Error	011-Stop In Traf-No Lturn (000-No Action)		092-Phantom Vehicle		00-No Code	00-No Code		
00372 CITY	N	N	N	08/17/2013 Saturday 3P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	MARINE DR 12TH ST	INTER W 05	CROSS (0)	N STOP SIGN	N N	UNK UNK DAY	S-1STOP REAR PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	52	M	OR-Y OR<25			016-Inattention	000-No Action (038-Driver Distracted)	27-Inattention	00-No Code	27-Inattention			
													2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	NONE	40	F	OTH-Y N-RES			000-No Error	011-Stop In Traf-No Lturn (000-No Action)		00-No Code	00-No Code				
00173 NONE	N	N	N	04/26/2009 Sunday 10A	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.21	MARINE DR 11TH ST	STRGHT W 04	(NONE) (2)	N ONE-WAY	N N	CLD DRY DAY	S-STRGHT SS-O PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	57	M	OR-Y OR<25			045-Improper Lane Chng 016-Inattention	000-No Action (038-Driver Distracted)	13-Improper Lane Chng 27-Inattention	00-No Code	13-Improper Lane Chng 27-Inattention			
													2	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	87	M	OR-Y OR<25			000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44

*****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

SER # INVEST	SPEED	ALCOHOL	DRUG	SCH ZONE	WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RND/DT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TRLR QTY OWNER TYPE	MOVE FROM TO	PARTC #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																											VEHICLE (PARTICIPANT)	VEHICLE	PARTICIPANT	VEHICLE	PARTICIPANT	VEHICLE	PARTICIPANT	
00480 CITY	N	N	N	N	N	10/18/2013 Friday 6P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.23	MARINE DR 12TH ST	ALLEY W 03	(NONE)	N UNKNOWN	N	CLR DRY DAY	S-STRGHT PARK PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	53	M	OR-Y OR<25		028-No ROW	008-Parallel Parking (000-No Action)				02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
																2	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	61	M	OR-Y OR<25		000-No Error	008-Parallel Parking (000-No Action)						00-No Code	00-No Code
00193 STATE	N	N	N	N	N	05/15/2012 Tuesday 7P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.24	MARINE DR 11TH ST	STRGHT E 04	(NONE)	N ONE-WAY	N	CLR DRY DAY	S-STRGHT PARK PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	64	M	OR-Y OR<25		028-No ROW	008-Parallel Parking (000-No Action)				02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
																2	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	29	F	OTH-Y OR<25		000-No Error	000-No Action (000-No Action)						00-No Code	00-No Code
00291 NO RPT	Y	N	N	N	N	07/04/2009 Saturday 8P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.26	MARINE DR 11TH ST	STRGHT E 03	(NONE)	N UNKNOWN	N	CLR DRY DAY	S-1STOP REAR PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	45	M	OR-Y OR<25		047-Violation Basic Rule 026-Falid Avoid Stop Veh	000-No Action (000-No Action)				07-Followed too Closely 01-Too Fast For Cond	00-No Code	07-Followed too Closely 01-Too Fast For Cond	
																2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	NONE	29	M	OR-Y OR>25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)						00-No Code	00-No Code
00256 CITY	N	N	N	N	N	06/12/2010 Saturday 11A	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.27	MARINE DR 11TH ST	INTER CN 03	CROSS () 0	N TRF SIGNAL	N	CLR DRY DAY	S-1STOP REAR PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	17	M	OR-Y OR<25		043-Following Too Close 016-Inattention	000-No Action (038-Driver Distracted)	004-Pedestrian Involved			07-Followed too Closely 27-Inattention	00-No Code	07-Followed too Closely 27-Inattention	
																2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	NONE	18	F	OTH-Y N-RES		000-No Error	011-Stop In Traf-No Lturn (000-No Action)	004-Pedestrian Involved					00-No Code	00-No Code
00181 NO RPT	N	N	N	N	N	05/06/2012 Sunday 2P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.29	MARINE DR 11TH ST	STRGHT W 03	(NONE)	N UNKNOWN	N	CLR DRY DAY	S-STRGHT PARK PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	0	F	UNK UNK		028-No ROW	008-Parallel Parking (000-No Action)				02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
																2	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	50	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)						00-No Code	00-No Code
00521 NONE	N	N	N	N	N	01/06/2011 Thursday 2P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.32	MARINE DR 10TH ST	INTER E 05	CROSS () 0	N ONE-WAY	N	CLR DRY DAY	S-1STOP REAR PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT E-W	1	DRVR	NONE	58	F	OR-Y OR<25		000-No Error	000-No Action (000-No Action)				06-Improper Overtaking	00-No Code	00-No Code	
																2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	NONE	0	F	UNK UNK		009-Improper Stop In Ln	011-Stop In Traf-No Lturn (000-No Action)						00-No Code	06-Improper Overtaking
00257 CITY	N	N	N	N	N	06/23/2009 Tuesday 2P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.32	MARINE DR 10TH ST	INTER E 06	CROSS () 0	N NONE	N	CLR DRY DAY	PED PED INJ	1	NONE 0 PRVTE TRUCK	STRGHT E-W	1	DRVR	NONE	49	M	OR-Y OR<25		029-Falid Yld ROW Ped	088-Other (000-No Action)	004-Pedestrian Involved 082-Veh Obscure View	004-Pedestrian Involved	082-Veh Obscure View	02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
																0	0	STRGHT E-W	1	CONV	INJB	66	M		I XWLK	000-No Error	(034-Cross Inter-NoSignal)							00-No Code
00520 STATE	N	N	N	N	N	11/06/2013 Wednesday 10A	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.32	MARINE DR 10TH ST	INTER E 06	CROSS () 0	N STOP SIGN	N	CLD DRY DAY	S-1STOP REAR INJ	1	NONE 1 PRVTE SEMI TOW	STRGHT E-W	1	DRVR	NONE	42	M	OTH-Y N-RES		043-Following Too Close	000-No Action (000-No Action)	004-Pedestrian Involved			07-Followed too Closely	00-No Code	07-Followed too Closely	
																2	NONE 0 PRVTE PSNGR CAR	STOP E-W	1	DRVR	INJB	67	M	OR-Y OR<25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)	004-Pedestrian Involved					00-No Code	00-No Code

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44
 *****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

SER # INVEST	SPEED LIMIT	ALCOHOL DRUG	SCH ZONE WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RDNBVT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TRLR QTY OWNER TYPE	MOVE FROM TO	PART #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																									VEHICLE (PARTICIPANT)		CRASH	VEHICLE	PARTICIPANT	CRASH	VEHICLE	PARTICIPANT
00557 CITY	N	N	N	N	12/17/2009 Thursday 4P	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.33	MARINE DR 10TH ST	STRGHT W	(NONE)	N	ONE-WAY	N	RAIN WET DUSK	S-1STOP REAR INJ	1	NONE 0	STRGHT E-W	1	DRVR	NONE	53	M	OTH-Y N-RES		043-Following Too Close	000-No Action (000-No Action)		07-Followed too Closely	00-No Code	07-Followed too Closely	
																2	NONE 0	STOP E-W	1	DRVR	INJC	21	F	OR-Y OR<25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)			00-No Code	00-No Code	
00387 NONE	N	N	N	N	08/19/2009 Wednesday 11A	Clatsop Astoria ASTORIA UA	1-Undiv Hwy or +Mile of Div Hwy 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.33	MARINE DR 10TH ST	STRGHT W	(NONE)	N	STOP SIGN	N	CLR DRY DAY	S-1STOP REAR PDO	1	NONE 0	STRGHT E-W	1	DRVR	NONE	45	F	OR-Y OR<25		026-Falid Avoid Stop Veh	000-No Action (000-No Action)		07-Followed too Closely	00-No Code	07-Followed too Closely	
																2	NONE 0	STOP E-W	1	DRVR	NONE	66	M	OTH-Y N-RES		000-No Error	011-Stop In Traf-No Lturn (000-No Action)			00-No Code	00-No Code	
00447 CITY	N	N	N	N	09/25/2013 Wednesday 10A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.10	COMMERCIAL ST 14TH ST	INTER N	CROSS (0)	N	TRF SIGNAL	N	CLR DRY DAY	S-1STOP REAR INJ	1	NONE 0	TURN-L W-N	1	DRVR	NONE	87	F	OTH-Y N-RES		029-Falid Yld ROW Ped	088-Other (000-No Action)		02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
																0		STRGHT W-E	1	PED	INJC	62	F		IXWLK	000-No Error	(035-Cross Inter-SignalPres)			00-No Code	00-No Code	
00265 NONE	N	N	N	N	06/08/2009 Monday 9A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.10	COMMERCIAL ST 14TH ST	INTER N	CROSS (0)	N	TRF SIGNAL	N	CLR DRY DAY	S-1STOP REAR PDO	1	NONE 0	STRGHT W-E	1	DRVR	NONE	0	F	UNK UNK		026-Falid Avoid Stop Veh	000-No Action (000-No Action)		27-Inattention	00-No Code	27-Inattention	
																2	NONE 0	STOP W-E	1	DRVR	NONE	65	F	OR-Y OR>25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)			00-No Code	00-No Code	
00238 CITY	N	N	N	N	06/19/2011 Sunday 9A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.10	COMMERCIAL ST 14TH ST	INTER CN	CROSS (0)	N	TRF SIGNAL	N	CLD DRY DAY	S-1TURN TURN PDO	1	NONE 0	STRGHT W-E	1	DRVR	NONE	26	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		32-Careless Driving 08-Improper Turn	00-No Code	00-No Code	
																			2	PSNG	NO<5	4	F		000-No Error	(000-No Action)			00-No Code	00-No Code		
																2	NONE 0	TURN-L W-N	1	DRVR	NONE	34	M	OR-Y OR<25		052-Careless Driving 006-Turn From Wrong Ln	006-Slowed Down (000-No Action)			00-No Code	32-Careless Driving 08-Improper Turn	
00556 NO RPT	N	N	N	N	12/13/2011 Tuesday 4A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.10	COMMERCIAL ST 14TH ST	INTER CN	CROSS (0)	N	TRF SIGNAL	N	CLR DRY DLIT	ANGL-OTH ANGL PDO	1	NONE 0	STRGHT S-N	1	DRVR	NONE	41	F	OR-Y OR<25		020-Disrg Traffic Signal	000-No Action (000-No Action)		04-Disregard R-A-G	00-No Code	04-Disregard R-A-G	
																2	NONE 1	STRGHT W-E	1	DRVR	NONE	49	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)			00-No Code	00-No Code	
00097 CITY	N	N	N	N	03/07/2010 Sunday 12P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.10	COMMERCIAL ST 14TH ST	INTER CN	CROSS (0)	N	TRF SIGNAL	N	CLR DRY DAY	ANGL-OTH ANGL PDO	1	NONE 0	STRGHT S-N	1	DRVR	NONE	61	F	OR-Y OR<25		020-Disrg Traffic Signal	000-No Action (000-No Action)	013-Forced By Impact	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G	
																2	NONE 0	STRGHT W-E	1	DRVR	NONE	52	M	OR-Y OR<25		000-No Error	022-Struck Obj Prior Coll (000-No Action)		013-Forced By Impact	00-No Code	00-No Code	
																3	NONE 0	STRGHT W-E	1	DRVR	NONE	60	M	OR-Y OR>25		000-No Error	000-No Action (000-No Action)			00-No Code	00-No Code	

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44
 *****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

SER # INVEST	SPEED LIMIT	ALCOHOL DRUG	SCH ZONE WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RNDBT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TRLR QTY OWNER TYPE	MOVE FROM TO	PARTC #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																									VEHICLE (PARTICIPANT)	CRASH	VEHICLE	PARTICIPANT	CRASH	VEHICLE	PARTICIPANT	
00252 CITY	N	N	N	06/19/2009 Friday 3P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.11	COMMERCIAL ST 14TH ST	STRGHT W 04	(NONE)	N	Y	CLR DRY DAY	PRKD MV PARK INJ	1	NONE 0 PRVTE PSNGR CAR	STRGHT W-E	1	DRVR	INJB	63	F	OTH-Y N-RES		016-Inattention	008-Parallel Parking (017-Lost Control)	040-Curb 052-Pole-Unknown 088-Fence/Building	040-Curb 052-Pole-Unknown 088-Fence/Building	093-Cellphone-Police	27-Inattention	00-No Code	27-Inattention	
00041 NO RPT	N	N	N	02/01/2012 Wednesday 8A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.11	COMMERCIAL ST 14TH ST	STRGHT W 05	(NONE)	N	UNKNOWN	CLR DRY DAY	S-STRGHT PARK PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT W-E	1	DRVR	NONE	65	M	OR-Y OR<25		028-No ROW	008-Parallel Parking (000-No Action)			02-Failed Yield ROW	00-No Code	02-Failed Yield ROW		
00492 NO RPT	N	N	N	10/21/2013 Monday 12P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.12	COMMERCIAL ST 14TH ST	STRGHT W 03	(NONE)	N	UNKNOWN	CLR DRY DAY	S-STRGHT SS-O PDO	1	NONE 0 PRVTE TRUCK	STRGHT W-E	1	DRVR	NONE	51	M	OR-Y OR<25		045-Improper Lane Chng 028-No ROW	088-Other (000-No Action)			13-Improper Lane Chng 02-Failed Yield ROW	00-No Code	13-Improper Lane Chng 02-Failed Yield ROW		
00597 NO RPT	N	N	N	12/21/2010 Tuesday 9A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.14	COMMERCIAL ST 12TH ST	STRGHT W 04	(NONE)	N	UNKNOWN	CLR DRY DAY	S-STRGHT PARK PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT W-E	1	DRVR	NONE	81	M	OR-Y OR<25		028-No ROW	008-Parallel Parking (000-No Action)			02-Failed Yield ROW	00-No Code	02-Failed Yield ROW		
00248 CITY	N	N	N	06/14/2009 Sunday 2P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.14	COMMERCIAL ST 14TH ST	STRGHT W 08	(NONE)	N	Y	CLR DRY DAY	PRKD MV PARK INJ	1	NONE 0 PRVTE MOPED	PARKNG W-E	1	DRVR	NONE	53	F	OTH-Y N-RES		018-Park Manvr/No Clear 016-Inattention	008-Parallel Parking (017-Lost Control)	040-Curb 100-Unknown Fixed Obj	040-Curb 100-Unknown Fixed Obj	27-Inattention	00-No Code	27-Inattention		
00120 STATE	N	N	Y	02/13/2012 Monday 10A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.18	COMMERCIAL ST 12TH ST	INTER E 06	CROSS () 0	N		TRF SIGNAL N N	CLR DRY DAY	PED PED FAT	1	NONE 0 PRVTE PSNGR CAR	TURN-L N-E	1	DRVR	NONE	42	M	OR-Y OR<25		029-Falid Yld ROW Ped	001-Skidded (000-No Action)			02-Failed Yield ROW	00-No Code	02-Failed Yield ROW	
00471 CITY	N	N	N	10/21/2011 Friday 3P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.18	COMMERCIAL ST 12TH ST	INTER W 06	CROSS () 0	N		RAIN WET DAY	S-STRGHT SS-O PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT W-E	1	DRVR	NONE	50	F	OR-Y OR<25		045-Improper Lane Chng	000-No Action (000-No Action)			06-Improper Overtaking	00-No Code	06-Improper Overtaking		
														0		STRGHT N-S	1	PED	KILL	67	M		I XWLK	000-No Error	(035-Cross Inter-SignalPres)				00-No Code			
														2		STRGHT W-E	1	DRVR	NONE	67	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)				00-No Code	00-No Code		

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44
 *****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

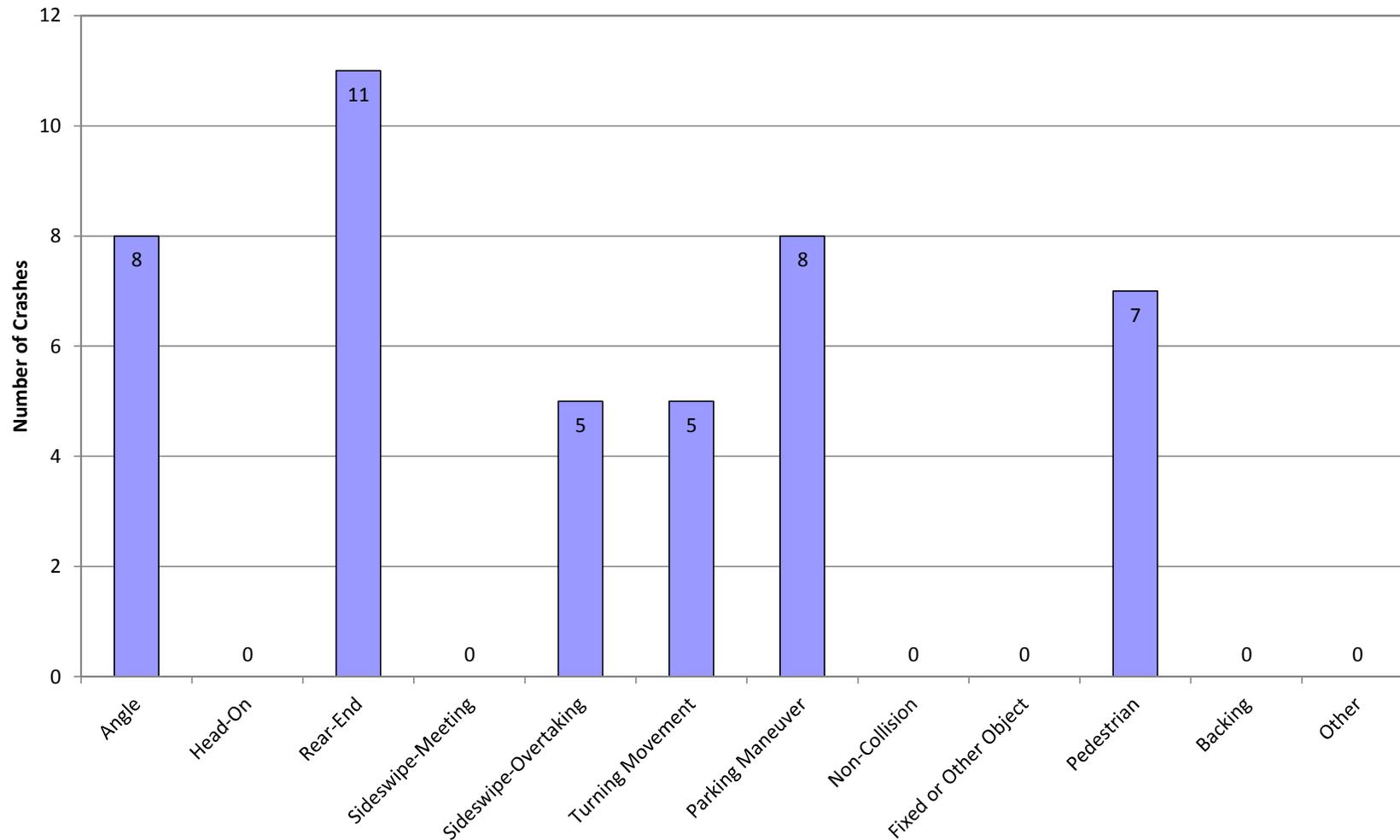
SER # INVEST	SPEED LIMIT	ALCOHOL DRUG	SCH ZONE WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RDNBVT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TRLR QTY OWNER TYPE	MOVE FROM TO	PARTC #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																									VEHICLE (PARTICIPANT)	VEHICLE	PARTICIPANT	VEHICLE	PARTICIPANT	VEHICLE	PARTICIPANT	
00197 NONE	Y	N	N	N	05/27/2009 Wednesday 5P	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	COMMERCIAL ST 12TH ST	STRGHT W 04	(NONE) (2)	N UNKNOWN	N N	CLR DRY DAY	S-1STOP REAR INJ	1 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	INJC	37	M	OR-Y OR<25		016-Inattention 047-Violation Basic Rule 026-Falid Avoid Stop Veh	088-Other (038-Driver Distracted)	27-Inattention 01-Too Fast For Cond	00-No Code	27-Inattention 01-Too Fast For Cond					
													2 0 PRVTE PSNGR CAR	STOP W-E	1 DRVR	NONE	INJC	46	M	OR-Y OR<25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)		00-No Code	00-No Code						
00209 NONE	N	N	N	N	03/20/2012 Tuesday 10A	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.19	COMMERCIAL ST 12TH ST	STRGHT W 04	(NONE) (2)	N UNKNOWN	N N	CLD UNK DAY	S-STRGHT PARK PDO	1 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	NONE	0	M	UNK OR<25		028-No ROW	008-Parallel Parking (000-No Action)	02-Failed Yield ROW	00-No Code	02-Failed Yield ROW					
													2 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	NONE	44	F	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code						
00514 NO RPT	N	N	N	N	11/19/2011 Saturday 12P	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.22	COMMERCIAL ST 11TH ST	STRGHT E 03	(NONE) (2)	N ONE-WAY	N N	CLR DRY DAY	S-STRGHT SS-O PDO	1 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	NONE	69	M	OR-Y OR<25		045-Improper Lane Chng 028-No ROW	000-No Action (000-No Action)	13-Improper Lane Chng 02-Failed Yield ROW	00-No Code	13-Improper Lane Chng 02-Failed Yield ROW					
													2 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	NONE	53	M	OTH-Y N-RES		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code						
00299 CITY	N	N	N	N	07/01/2010 Thursday 7A	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.25	COMMERCIAL ST 11TH ST	INTER CN 04	CROSS (0 0)	N TRF SIGNAL	N N	CLR DRY DAY	BIKE ANGL INJ	0 0	STRGHT W-E	1 BIKE	NONE	INJC	23	M		I INRD	020-Disrg Traffic Signal	110-NonMotorist Str Veh (035-Cross Inter-SignalPres)	110-NonMotorist Str Veh	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G				
													1 0 PRVTE PSNGR CAR	STRGHT S-N	1 DRVR	NONE	NONE	27	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code						
00198 CITY	N	N	N	N	05/18/2012 Friday 9P	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.25	COMMERCIAL ST 11TH ST	INTER CN 04	CROSS (0 0)	N TRF SIGNAL	N N	CLR DRY DUSK	ANGL-OTH ANGL INJ	1 0 PRVTE PSNGR CAR	STRGHT S-N	1 DRVR	NONE	NONE	43	F	OR-Y OR<25		020-Disrg Traffic Signal	000-No Action (088-Other)	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G					
													2 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	INJB	57	M	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code							
00228 CITY	N	N	N	N	06/08/2012 Friday 4P	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.25	COMMERCIAL ST 11TH ST	INTER CN 04	CROSS (0 0)	N TRF SIGNAL	N N	RAIN WET DAY	ANGL-OTH ANGL INJ	1 0 PRVTE PSNGR CAR	STRGHT S-N	1 DRVR	INJC	48	F	OR-Y OR<25		097-UnkGuilt Disrgd TCD	000-No Action (000-No Action)	04-Disregard R-A-G	00-No Code	00-No Code						
													2 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	INJC	15	M			000-No Error	(000-No Action)		00-No Code	00-No Code							
													2 0 PRVTE PSNGR CAR	STRGHT W-E	1 DRVR	NONE	NONE	23	M	OR-Y OR<25		097-UnkGuilt Disrgd TCD	000-No Action (000-No Action)		00-No Code	00-No Code						
00407 CITY	N	N	N	N	09/05/2012 Wednesday 1P	Clatsop Astoria ASTORIA UA 2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.26	COMMERCIAL ST 11TH ST	STRGHT E 06	(NONE) (2)	N ONE-WAY	Y N	CLR DRY DAY	PED PED INJ	1 0 PRVTE PSNGR CAR	PARKNG E-W	1 DRVR	NONE	NONE	39	M	OR-Y OR<25		000-No Error	008-Parallel Parking (000-No Action)	18-Nonmtrst illegally in road	00-No Code	00-No Code					
													0 0	STRGHT S-N	1 PED	INJB	84	F		SHLDR	070-Standing/Lying In Rd (050-Stand/Lying In Road)		18-Nonmtrst illegally in road									

OREGON DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT
CONTINUOUS SYSTEM CRASH LISTING
 Highway 092 ALL ROAD TYPES, MP 98.1 to 98.34, Both Add and Non-Add mileage, 04/01/2009 to 03/31/2014
 Total Crash Records = 44
 *****CRASH DE-CODER V4.1.3 PRC REPORT PRINTABLE EQUIVALENT*****

SER # INVEST	SPEED	ALCOHOL	DRUG	SCH ZONE	WORK ZONE	DATE DAY TIME	COUNTY CITY URB AREA	RD # FUNCTIONAL CLASS COMPONENT MILEAGE TYPE MILEPOINT	CONN # FIRST STREET SECOND STREET	RD CHAR DIRECT LOCTN	INT-TYP (MEDIAN) LEGS (# LANES)	INT-REL TRAF-CONTL	OFF RD RDNBVT DRVWY	WTHR SURF LIGHT	CRASH COLL SVRTY	VEHICLE #	SPCL USE TLRL QTY OWNER TYPE	MOVE FROM TO	PARTC #	PARTC TYPE	INJURY SEVERITY	AGE	SEX	LICNS RES	PED LOCATION	ERROR	ACTION		EVENT			CAUSE		
																											VEHICLE (PARTICIPANT)	VEHICLE	VEHICLE	PARTICIPANT	CRASH	VEHICLE	PARTICIPANT	
00170 CITY	N	N	N	N	N	04/29/2012 Sunday 12P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.27	COMMERCIAL ST 11TH ST	INTER CN 01	CROSS () ()	N TRF SIGNAL	N N	CLR DRY DAY	ANGL-OTH TURN PDO	1	NONE 0 PRVTE PSNGR CAR	TURN-L W -N	1	DRVR	NONE	60	F	OR-Y OR<25		028-No ROW	000-No Action (000-No Action)	02-Failed Yield ROW	00-No Code	02-Failed Yield ROW				
																2	NONE 0 PRVTE PSNGR CAR	STRGHT S -N	1	DRVR	NONE	16	F	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				
00428 CITY	N	N	N	N	N	09/26/2011 Monday 11A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.31	COMMERCIAL ST 10TH ST	STRGHT W 03	(NONE) (2)	N STOP SIGN	N N	RAIN WET DAY	S-1STOP REAR INJ	1	NONE 0 PRVTE PSNGR CAR	STRGHT W -E	1	DRVR	NONE	20	F	OTH-Y N-RES		043-Following Too Close 016-Inattention	000-No Action (038-Driver Distracted)	07-Followed too Closely 27-Inattention	00-No Code	07-Followed too Closely 27-Inattention				
																2	NONE 0 PRVTE PSNGR CAR	STOP W -E	1	DRVR	INJC	60	F	OR-Y OR<25		000-No Error	011-Stop In Traf-No Lturn (000-No Action)		00-No Code	00-No Code				
00511 CITY	N	N	N	N	N	11/05/2009 Thursday 5P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.34	COMMERCIAL ST 9TH ST	INTER N 05	CROSS () ()	N TRF SIGNAL	N N	RAIN WET DLIT	PED PED INJ	1	NONE 0 PRVTE PSNGR CAR	TURN-L W -N	1	DRVR	NONE	59	M	OR-Y OR<25		029-Faild Yld ROW Ped	000-No Action (000-No Action)	02-Failed Yield ROW	00-No Code	02-Failed Yield ROW				
																0		STRGHT E -W	1	PED	INJA	29	F		I XWLK	000-No Error (035-Cross Inter-SignalPres)			00-No Code					
00167 CITY	N	Y	N	N	N	04/21/2009 Tuesday 10A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.34	COMMERCIAL ST 9TH ST	INTER W 06	CROSS () ()	N TRF SIGNAL	N N	CLR DRY DAY	PED PED INJ	1	NONE 0 PRVTE PSNGR CAR	TURN-L W -N	1	DRVR	NONE	44	F	OTH-Y N-RES		029-Faild Yld ROW Ped 002-Cut Corner	000-No Action (000-No Action)	082-Veh Obscure View 02-Failed Yield ROW 08-Improper Turn	00-No Code	02-Failed Yield ROW 08-Improper Turn				
																0		STRGHT E -W	1	PED	INJB	47	M		I XWLK	000-No Error (035-Cross Inter-SignalPres)			00-No Code					
00573 CITY	N	N	N	N	N	12/01/2013 Sunday 4P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.34	COMMERCIAL ST 9TH ST	INTER CN 01	CROSS () ()	N TRF SIGNAL	N N	RAIN WET DUSK	ANGL-OTH ANGL INJ	1	NONE 0 PRVTE PSNGR CAR	STRGHT W -E	1	DRVR	INJC	67	F	OR-Y OR>25		020-Disrg Traffic Signal	000-No Action (000-No Action)	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G				
																2	NONE 0 PRVTE PSNGR CAR	STRGHT S -N	1	DRVR	INJC	56	F	OR-Y OR<25		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				
00249 NO RPT	N	N	N	N	N	06/30/2011 Thursday 10A	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.34	COMMERCIAL ST 9TH ST	INTER CN 03	CROSS () ()	N TRF SIGNAL	N N	CLR DRY DAY	ANGL-OTH ANGL PDO	1	NONE 0 PRVTE PSNGR CAR	STRGHT W -E	1	DRVR	NONE	84	M	OR-Y OR<25		020-Disrg Traffic Signal	000-No Action (000-No Action)	04-Disregard R-A-G	00-No Code	04-Disregard R-A-G				
																2	NONE 0 PRVTE PSNGR CAR	STRGHT S -N	1	DRVR	NONE	24	M	OR-Y OR-?		000-No Error	000-No Action (000-No Action)		00-No Code	00-No Code				
00607 COUNTY	N	N	N	N	N	12/11/2013 Wednesday 6P	Clatsop Astoria ASTORIA UA	2-Non +Mile of Div Hwy or Coup 14-Urb Prin Art - Oth 1-Couplet 0-Reg Mile 98.34	COMMERCIAL ST 9TH ST	INTER CN 03	CROSS () ()	N TRF SIGNAL	N N	CLR DRY DLIT	ANGL-OTH ANGL INJ	1	AMBLN 0 PRVTE TRUCK	STRGHT W -E	1	DRVR	NONE	22	M	OR-Y OR<25		000-No Error	006-Slowed Down (000-No Action)	02-Failed Yield ROW	00-No Code	00-No Code				
																2			2	PSNG	INJB	34	M		000-No Error (000-No Action)			00-No Code						
																3			3	PSNG	INJB	46	F		000-No Error (000-No Action)			00-No Code						
																2	NONE 0 PRVTE PSNGR CAR	STRGHT S -N	1	DRVR	NONE	28	M	OR-Y OR<25		024-Disrg Siren/Emerg V	000-No Action (000-No Action)		00-No Code	02-Failed Yield ROW				

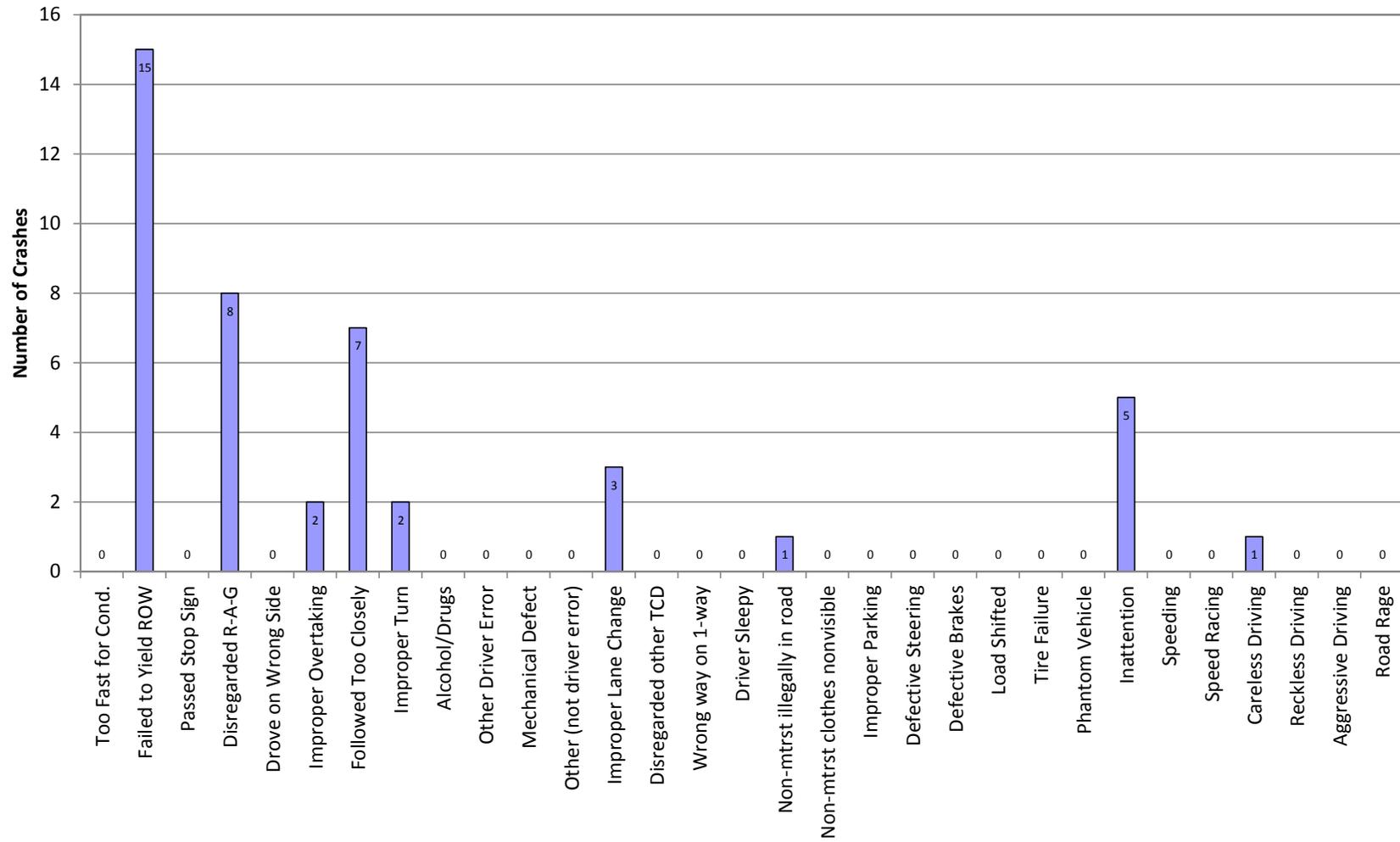
Crash Frequency by Collision Type

Hwy 092 Lower Columbia River | Milepoint 98.1 to 98.34 | 04/01/2009 to 03/31/2014
Couplet | Both Add and Non-Add Mileage Alignments
Mileage Type(s): Regular



Crash Frequency by Crash Cause

Hwy 092 Lower Columbia River | Milepoint 98.1 to 98.34 | 04/01/2009 to 03/31/2014
 Couplet | Both Add and Non-Add Mileage Alignments
 Mileage Type(s): Regular



Crash Frequency by Injury Severity

Hwy 092 Lower Columbia River | Milepoint 98.1 to 98.34 | 04/01/2009 to 03/31/2014
Couplet | Both Add and Non-Add Mileage Alignments
Mileage Type(s): Regular

