Permanent Traffic Recorder Data Collection Report

MULTI-MODAL PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

AUGUST 2015

Washington State Department of Transportation

In cooperation with the
United States Department of Transportation
Federal Highway Administration

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Permanent Traffic Recorder Data Collection Report Methodology

The monthly Permanent Traffic Recorder Data Collection Report is designed to provide reliable data to traffic engineers, state planners, traffic operations, other government agencies, regional administrators, the Washington State Patrol, private businesses and the citizens of Washington State. This report is administered and produced by the Transportation Data and GIS Office of the Washington State Department of Transportation.
This report is comprised of data collected from permanent traffic recorders monitored by the Traffic Reporting Analysis & Processing Section (TRAPS) and NW Regional Traffic Office. The data has been validated and verified for this report; it has been processed through the **TRansportation Information and Planning Support System (TRIPS**).

The information within this report is:

- Monthly Average Daily Traffic (MADT)
- MADT compared to previous months for all comparable sites
- MADT compared to same month previous year
- Missing data in month reported
- Comparison of current month to previous years

A legend is supplied for each page of listed site data.
The codes are:

- “Low” = (< 7,000 vehicles per day)
- “Low-to-Medium” = (7,000 -<40,000 vehicles per day)
- “Medium” = (40,000 -<100,000 vehicles per day)
- “High” = (100,000 + vehicles per day)
- “REC” = Recreational route
- “Region” = Geographical location

For questions about this report or further site information, please contact the Traffic *Reporting Analysis & Processing Section (TRAPS)* supervisor at 360-570-2392 or E mail this section at tdgoadc@wsdot.wa.gov

GLOSSARY

AR.....Alternate Route

SR……State Route

MP……Mile Post

PTR……Permanent Traffic Recorder

ADT……Average Daily Traffic

TRIPS……Transportation Information and Planning Support System

SRMP……..State Route Mile Post

RRT.....Related Roadway Type

For answers to any questions about this report and or if you wish to have further a detailed report for one of the sites that the Traffic Reporting Analysis & Processing Section (TRAPS) is currently monitoring, please call Tony Niemi at (360) 570-2392 or Pamela Pope at (360) 570-2396.

To obtain classification, length and or speed information please contact the Traffic Reporting Analysis & Processing Section (TRAPS) of the Travel Data & Analysis Branch at tdgoadc@wsdot.wa.gov. If you are an Internal employee of Department of Transportation you can access the data through the Traffic Datamart.

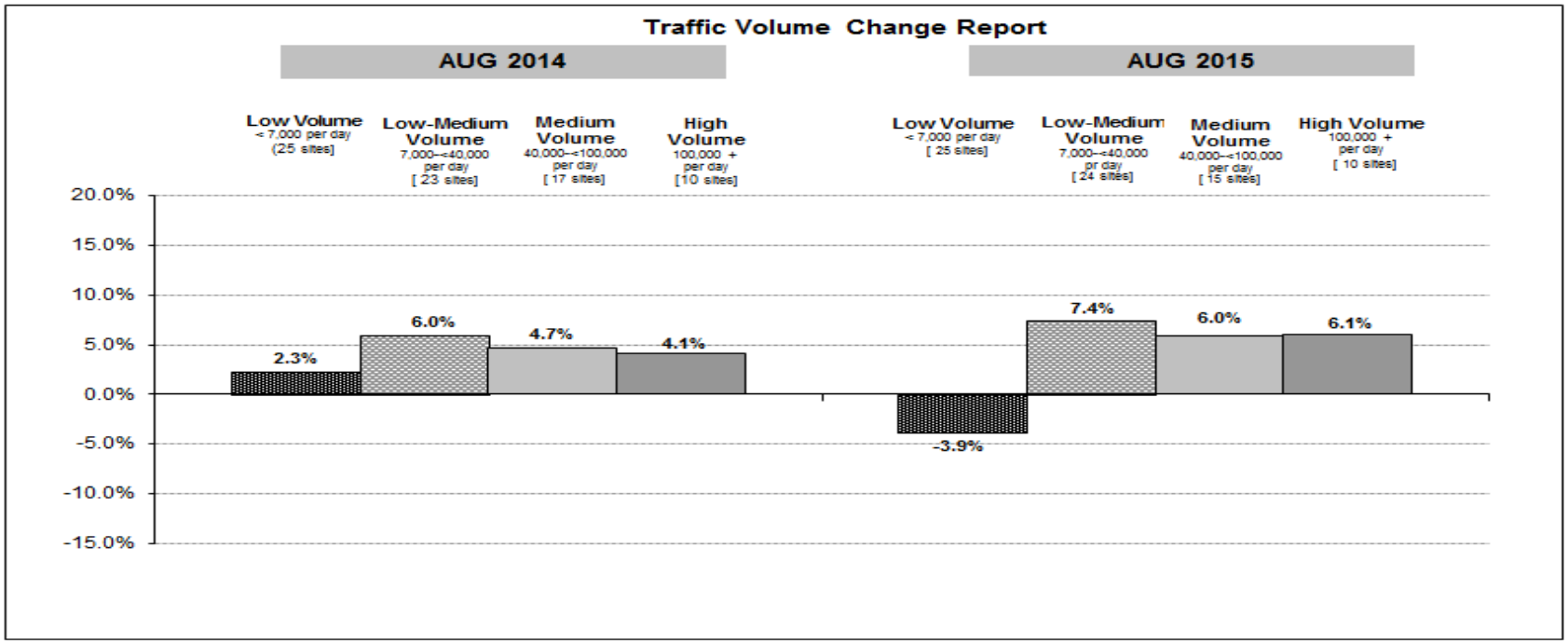
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 77 Permanent Traffic Recorder (PTR) sites on state highways.

The pattern of traffic volume has changed among all the volume group locations (Low, Low-to-Medium, Medium, High). The volume has an overall increase of (+4.47**%)** when compared to the 5-year average from 2003 to 2007.

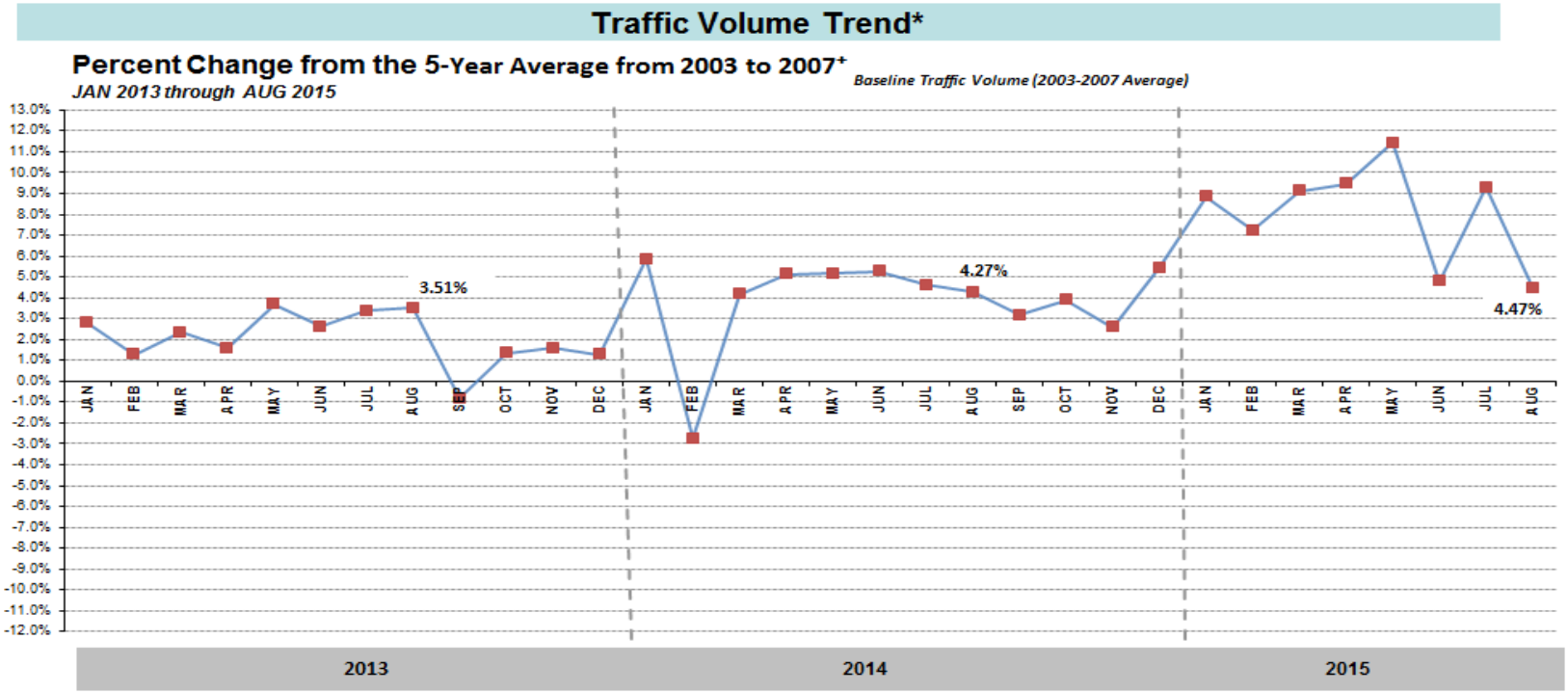
Traffic Volume Change Report for AUGUST 2015*

Percent Change from the Baseline Traffic Volume (5-Year Average from 2003 to 2007)*
By Highway Volume



*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic Recorder Sites

Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **August 2015** reflect an Increase of **(4.47%).**



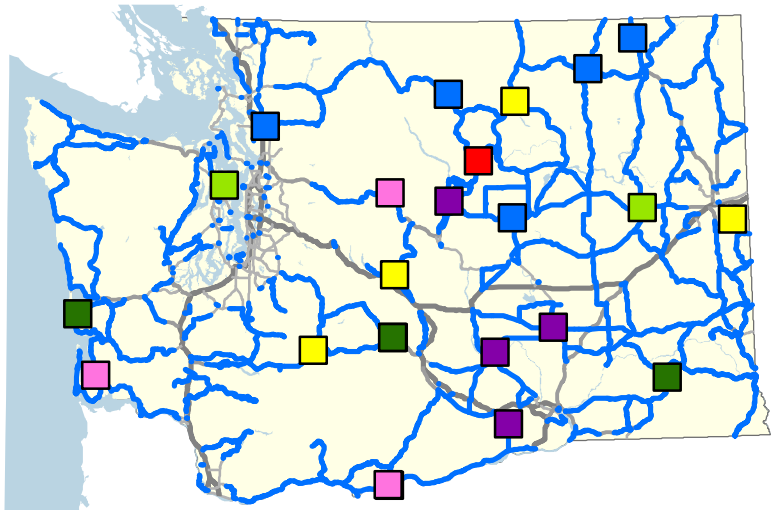
*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weighted averages are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. AUG15 Preliminary data.
+Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).

History of the Data:

Volume Change at Permanent Traffic Recorder Sites - August 2015

Low Volume Sites

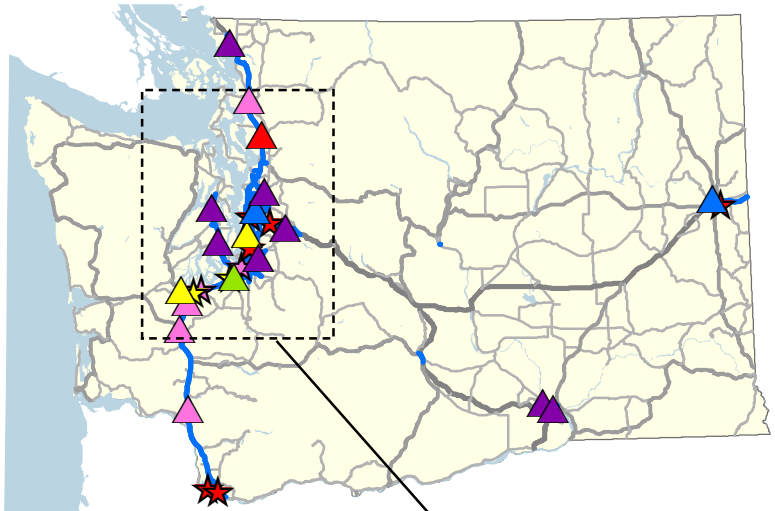
Less than 7,000 Vehicles Per Day



Medium to High Volume Sites

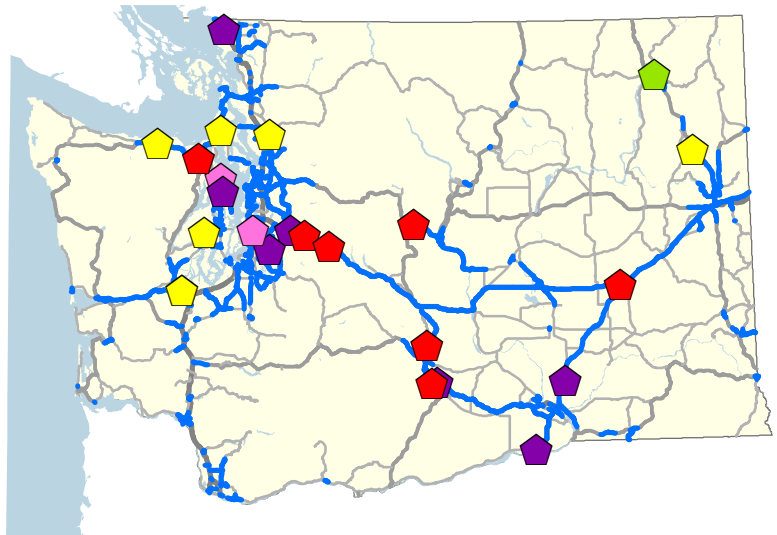
40,000 to 100,000 Vehicles Per Day (Medium Volume)

Over 100,000 Vehicles Per Day (High Volume)



Low to Medium Volume Sites

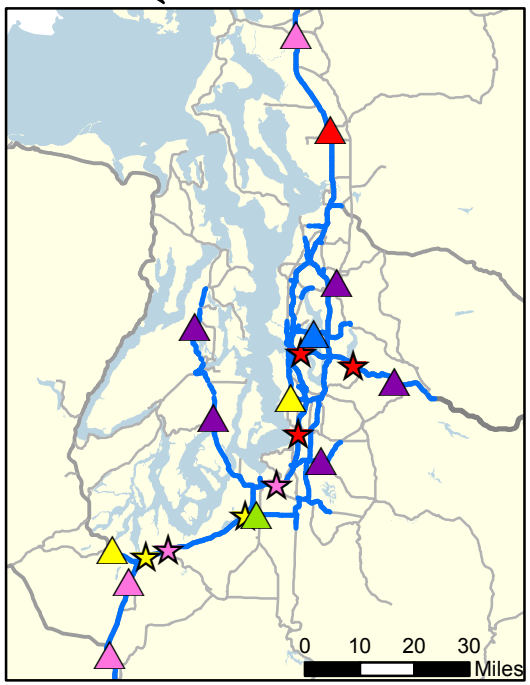
7,000 to 40,000 Vehicles Per Day



Percent Change

Color indicates range of percent change at each PTR site

- Over 10% increase
- 6% to 10%
- 2% to 6%
- Within +/- 2%
- -2% to -6%
- -6% to -10%
- Over 10% decrease
- Routes within Volume Group



Washington State Department of Transportation

Transportation Data and GIS Office
Travel Data and Analysis Branch
Traffic Reporting Analysis and Processing Section (TRAPS)
360-570-2392 or 360-570-2396 (E-mail) tdgoadc@wsdot.wa.gov

PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH

AUG 2015

SR	MP	RRT	SITE	DESCRIPTION	Monthly Average Daily Traffic (MADT)	Percent change compared to previous 5-year average	Recreational Route (REC)*	Geographic Location	VOLUME GROUP+
002	80.2		R058	E/O NASON RIDGE ROAD - COLES CORNER	5,886	2.8%	Rec	Central	LOW
002	104.84		R047E	E/O US 97 - DRYDEN	19,466	7.2%		Central	LOW-to-MEDIUM
002	179.1		P02	E/O J SE - COULEE CITY	996	-13.2%	Rec	Central	LOW
002	250.5		R064	W/O GUNNING RD - DAVENPORT	3,485	-5.1%		Eastern	LOW
002	289.79		R021	N/O WALTON AVE - SPOKANE DIVISION ST	40,289	-14.5%		Eastern	MEDIUM
003	28.68		R089	S/O LAKE FLORA RD.- GRAPEVIEW	18,914	-1.8%		Puget Sound	LOW-to-MEDIUM
003	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	51,458	12.6%		Western	MEDIUM
005	1.98		P5	S/O SR 500/39TH ST I/C -VANCOUVER	139,052	7.0%		Western	HIGH
005	44.3		P8	N/O WEIGH STATION - KELSO	63,955	5.0%		Western	MEDIUM
005	86.32		R019	S/O US 12 I/C - GRAND MOUND	72,833	4.4%		Puget Sound	MEDIUM
005	100.54		R097	S/O TUMWATER BLVD	82,436	5.3%		Puget Sound	MEDIUM
005	106.7		P4	AT BOULEVARD RD UXING - OLYMPIA	151,328	-0.1%		Puget Sound	HIGH
005	111.01		R060	S/O SR 510 I/C -LACEY	127,030	4.7%		Puget Sound	HIGH
005	126.76		R092	S/O SR 512 I/C - TACOMA	157,671	0.0%		Puget Sound	HIGH
005	136.8		S837	S/O SR 99 I/C - FIFE	202,212	4.0%		Puget Sound	HIGH
005	148.07		S809	S/O SR 516 I/C - MIDWAY	214,812	6.1%		Puget Sound	HIGH

*"Rec" is Recreational Route

+Volume Group

LOW (< 7,000 vehicles per day)
LOW-To-MEDIUM (7,000 -<40,000 vehicles per day)
MEDIUM (40,000 -< 100,000 vehicles per day)
HIGH (100,000 + vehicles per day)

*Alternate Route

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005	207.78		R001	S/O SR 530 I/C - MARYSVILLE	100,581	6.4%		Puget Sound	MEDIUM
005	226.96		R093	N/O SR 536 I/C - MT. VERNON	80,305	5.5%		Western	MEDIUM
005	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	53,579	10.2%		Western	MEDIUM
005	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	35,065	13.2%		Western	LOW-to-MEDIUM
008	20.67		R003W	AT SR 101 OXING - OLYMPIA	21,269	1.8%		Puget Sound	LOW-to-MEDIUM
009	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	12,081	-0.8%		Puget Sound	LOW-to-MEDIUM
009	32.98		R083	N/O 53RD AVE NE - BRYANT	2,044	-14.4%		Puget Sound	LOW
012	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	3,063	-1.1%	Rec	Western	LOW
012	185.25		S818S	S/O SR 410 - WHITE PASS	3,090	-4.6%	Rec	Central	LOW
012	185.62		S818E	E/O SR 410 - NACHES	5,755	-6.7%	Rec	Central	LOW
012	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,385	-7.4%		Central	LOW
014	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,638	5.0%		Central	LOW
016	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	52,759	14.1%		Puget Sound	MEDIUM
018	5.26		P20	E/O SR 164 I/C - AUBURN EAST	65,953	15.6%		Puget Sound	MEDIUM
018	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	39,917	25.6%		Puget Sound	LOW-to-MEDIUM
018	27.62		S838	S/O I-90 I/C - ECHO GLEN	28,979	22.7%		Puget Sound	LOW-to-MEDIUM

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+Volume Group

LOW (< 7,000 vehicles per day)
LOW-To-MEDIUM (7,000 -<40,000 vehicles per day)
MEDIUM (40,000 -< 100,000 vehicles per day)
HIGH (100,000 + vehicles per day)

*Alternate Route

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020	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	9,850	-0.4%		Puget Sound	LOW-to-MEDIUM
020	191.9		R037	W/O RADER ROAD - WINTHROP	2,290	-21.2%	Rec	Central	LOW
020	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,610	-13.7%		Eastern	LOW
024	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	5,302	30.9%		Central	LOW
026	43.06		R066	E/O SR 17 I/C - OTHELLO	3,493	13.6%	Rec	Central	LOW
027	77.3		P30	S/O GIBBS ROAD - SPANGLE	6,834	-1.2%		Eastern	LOW
082	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	20,395	9.8%		Central	LOW-to-MEDIUM
082	48.5		P08	W/O SR 22 I/C - BUENA	29,985	16.3%		Central	LOW-to-MEDIUM
082	132.03		R086	E/O SR 14 - WALLULA	23,858	18.3%		Central	LOW-to-MEDIUM
090	4.22		R017	E. END OF MT BAKER TUNNEL- SEATTLE	133,907	9.9%		Puget Sound	HIGH
090	14.65		S825	W/O SR 900 I/C - ISSAQUAH	133,599	7.7%		Puget Sound	HIGH
090	23.54		S826	E/O JONES ROAD I/C - PRESTON	70,246	22.0%		Puget Sound	MEDIUM
090	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	45,277	9.8%	Rec	Puget Sound	LOW-to-MEDIUM
090	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	40,573	7.7%	Rec	Western	LOW-to-MEDIUM
090	218.83		P10	W/O US 395 I/C - RITZVILLE	15,013	9.4%	Rec	Eastern	LOW-to-MEDIUM
090	285.23		R036	W/O SPRAGUE AVE I/C - SPOKANE	122,570	8.1%		Eastern	HIGH

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+Volume Group

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097	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	14,018	9.3%		Central	LOW-to-MEDIUM
097	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	8,372	-3.9%		Central	LOW
097	220.55		R084	N/O BRAYS ROAD - ORONDO	5,678	14.0%		Central	LOW
097	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	5,440	8.8%		Central	LOW
097	293.42		R068	N/O COPPLE ROAD - OMAK	6,122	1.8%		Central	LOW
101	28.95		R074	N/O SR 4 - NEMAH	4,143	5.9%	Rec	Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	25,750	-1.8%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	15,441	6.5%		Western	LOW-to-MEDIUM
101	361.37		R003N	N/O SR 8 - OLYMPIA	33,865	1.1%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	55,017	1.1%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	20,635	5.8%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	6,776	-5.3%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	6,651	-6.5%		Western	LOW
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	61,633	39.2%		Eastern	MEDIUM
205	28.84		R051	N/O MILL PLAIN I/C - VANCOUVER	123,732	6.1%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,631	11.6%		Central	LOW

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+Volume Group

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307	2.31		R096	S/O NE GUNDERSON RD.	18,302	17.3%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	65,150	11.1%		Central	MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	18,146	21.2%		Eastern	LOW-to-MEDIUM
395	190.29		R063	S/O SR 292 - LOON LAKE	9,849	-1.1%		Eastern	LOW-to-MEDIUM
395	235.6		R070	N/O GREENWOOD LOOP RD	8,524	-3.3%		Eastern	LOW-to-MEDIUM
395	260		P26	N/O COUNTY ROAD - ORIENT	705	-22.2%		Eastern	LOW
410	116.26		S818W	W/O SR 12 - CHINOOK PASS	2,843	-9.5%	Rec	Central	LOW
512	1.53		D3	W/O SR 7 I/C PARKLAND	91,912	-2.6%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	61,290	-0.3%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING - TOLLPlAZA	70,150	-31.4%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	52,473	16.0%		Puget Sound	MEDIUM
599	1.15		S839	E/O SR 99 I/C - TUKWILA	43,728	5.8%		Puget Sound	LOW-to-MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	5,788	-0.1%	Rec	Central	LOW

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*Alternate Route

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WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Multimodal Planning Division
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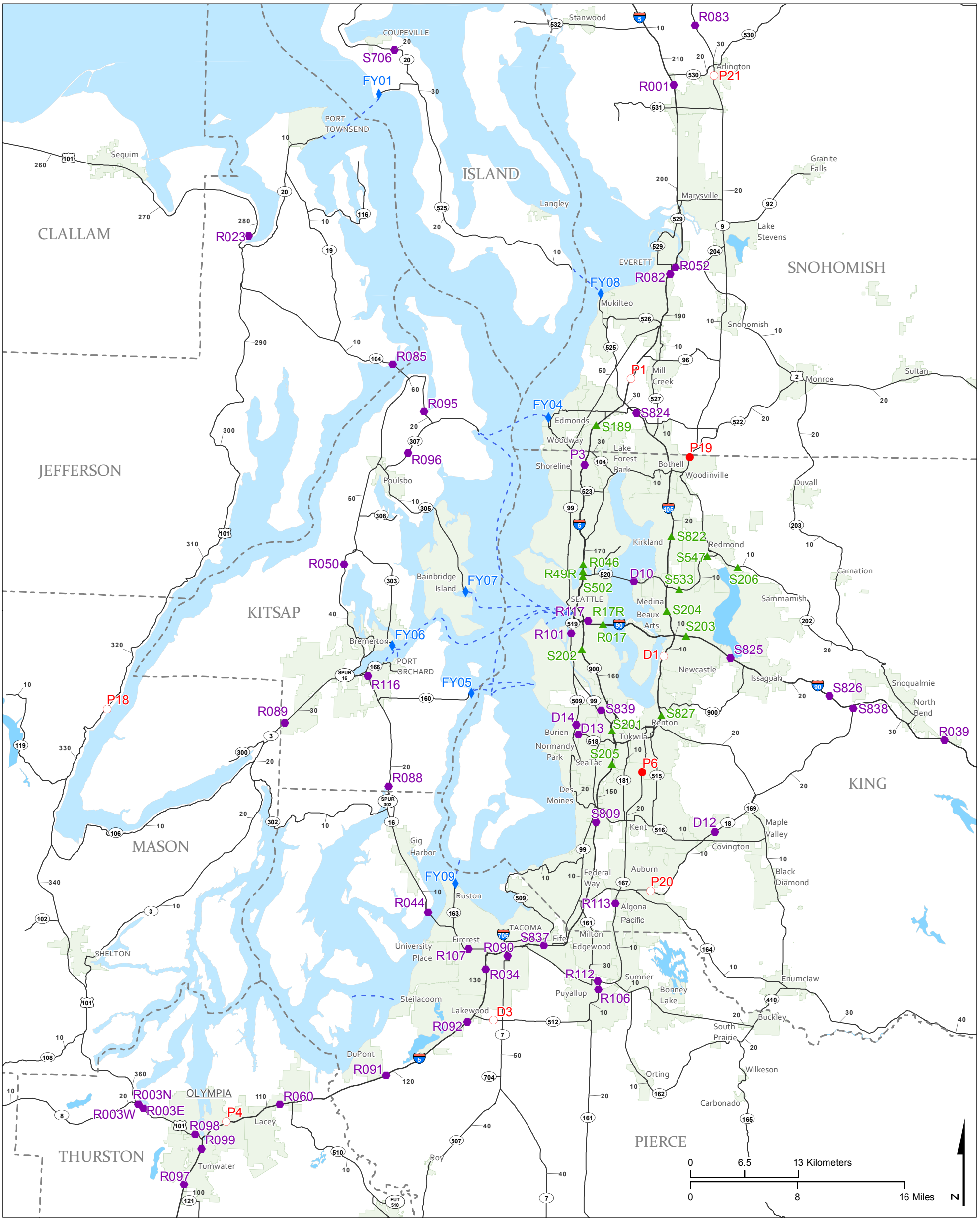
2015 Permanent Traffic Recorder Data Collection Sites

Legend

- Ferry Terminal
- Permanent (Volume-Speed-Classification)
- Weigh In Motion (WIM)
- SHRP/LTPP Research Site (WIM)
- Oregon
- U.S. Interstate
- U.S. Highway
- State Route
- Ferry Routes
- Milepost Markers
- City Boundaries
- CAPITAL CITY
- COUNTY SEAT CITY
- Other City

0 25 50 75 100 Kilometers
0 20 40 60 80 Miles
N



2015 Permanent Traffic Recorder Data Collection Sites

LEGEND

- Seattle (NWR)
- Ferry Terminal
- Permanent (Volume-Speed-Classification)
- Weigh In Motion (WIM)
- SHRP/LTPP Research Site (WIM)
- U.S. Interstate
- U.S. Highway
- State Route
- Ferry Routes
- Milepost Markers
- City Boundaries
- CAPITAL CITY
- COUNTY SEAT CITY
- Other City

The data in this map is provided by the Travel Data & Analysis Branch and was mapped by the GIS & Roadway Data Branch within the Transportation Data & GIS Office