Permanent Traffic Recorder Data Collection Report

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

MARCH 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.

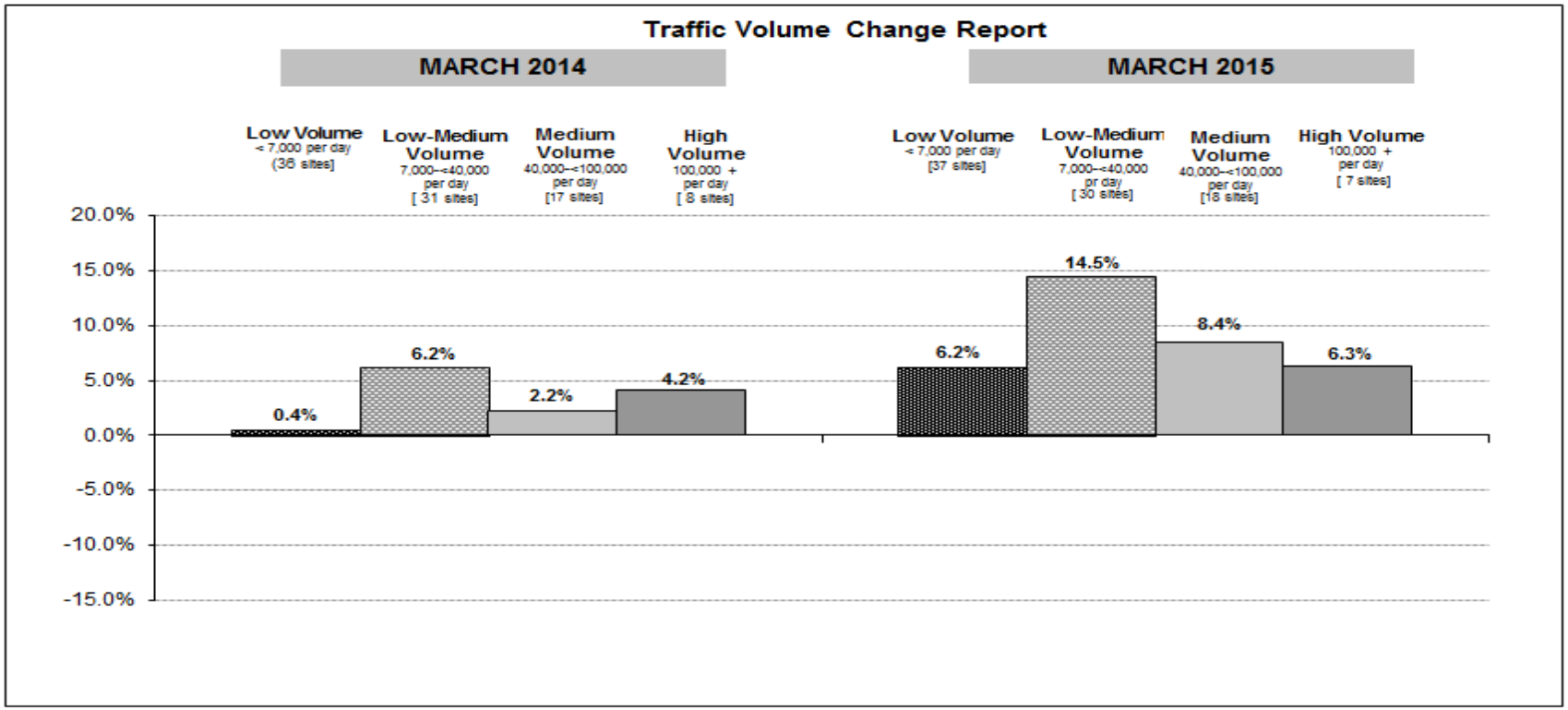
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 92 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 (+9.13**%)** when compared to the 5-year average from 2003 to 2007.

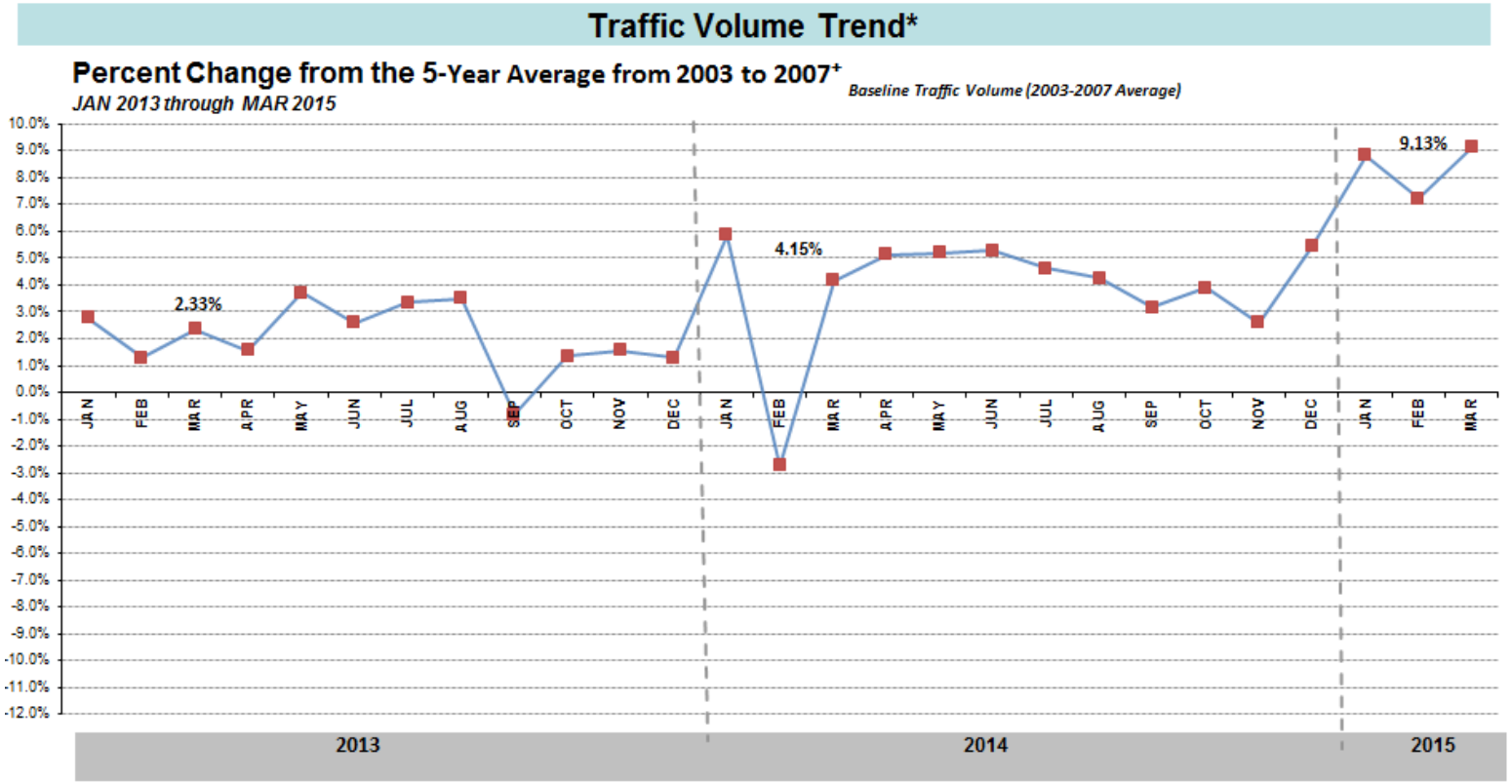
Traffic Volume Change Report for MARCH 2015*

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 **March 2015** reflect an Increase of **(9.13%).**



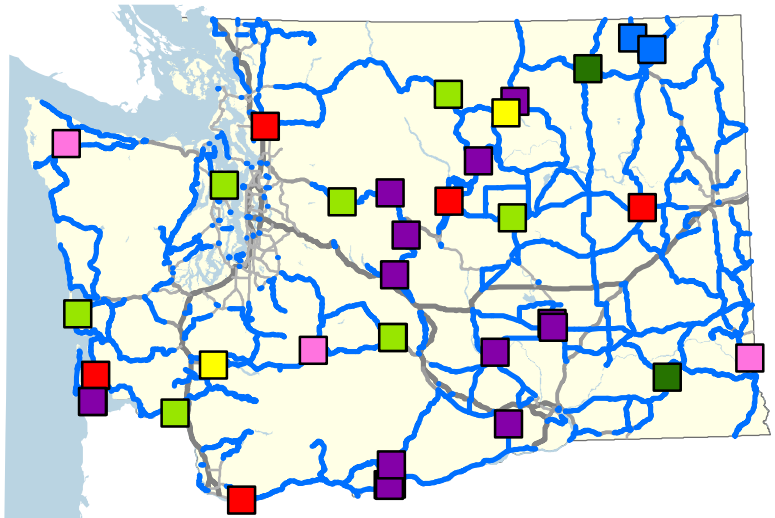
*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. MAR15 Preliminary data.
+Normal Traffic Volume 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 - March 2015

Low Volume Sites

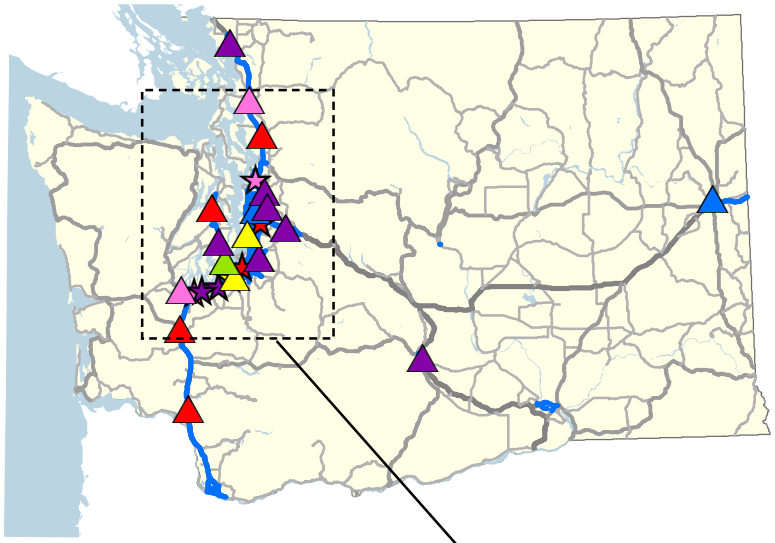
☐ *Less than 7,000 Vehicles Per Day*



Medium to High Volume Sites

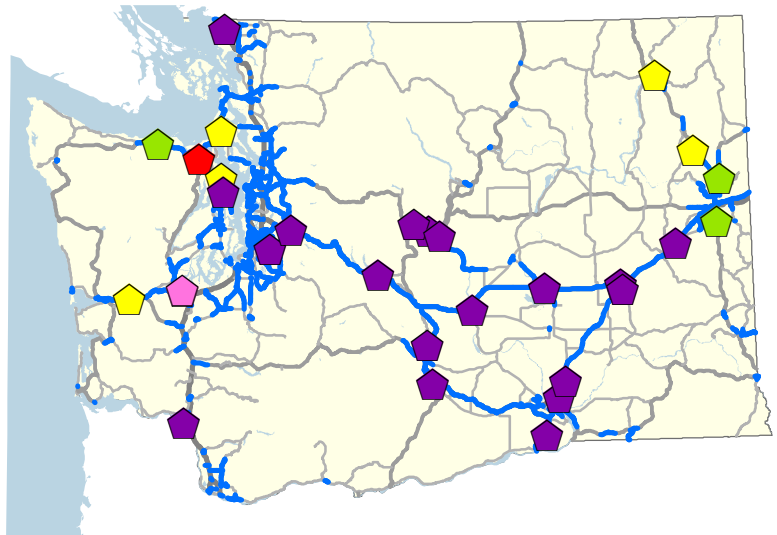
△ *40,000 to 100,000 Vehicles Per Day (Medium Volume)*

☆ *Over 100,000 Vehicles Per Day (High Volume)*



Low to Medium Volume Sites

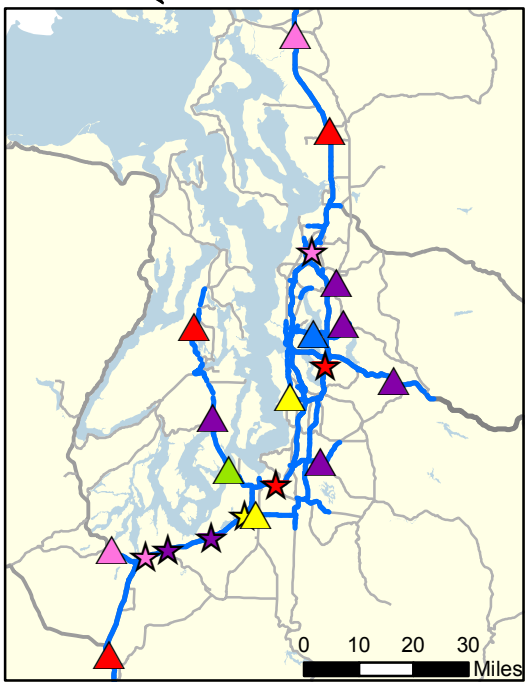
⬠ *7,000 to 40,000 Vehicles Per Day*



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



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Transportation Data and GIS Office
Travel Data and Analysis Branch
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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
MAR 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+
2	50.12		R038	E/O NE OLD CASCADE HWY - SKYKOMISH	3,673	-3.8%	Rec	Western	LOW
2	80.2		R058	E/O NASON RIDGE ROAD	3,040	16.5%	Rec	Central	LOW
2	104.84		R047E	E/O US 97 - DRYDEN	14,019	10.1%		Central	LOW-to-MEDIUM
2	113.1		P01	W/O RED APPLE RD - CASHMERE	20,900	14.0%		Central	LOW-to-MEDIUM
2	119.77		R053	E/O US 97AR I/C - WENATCHEE	22,666	20.1%		Central	LOW-to-MEDIUM
2	179.1		P02	E/O J SE - COULEE CITY	489	-2.2%	Rec	Central	LOW
2	250.5		R064	W/O GUNNING RD - DAVENPORT	2,665	6.7%		Eastern	LOW
2	289.79		R021	N/O WALTON AVE - SPOKANE	41,239	-10.2%		Eastern	MEDIUM
2	301.4		P28	S/O NORWOOD ROAD - CHATTAROY	15,764	-4.7%		Eastern	LOW-to-MEDIUM
3	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	46,656	9.9%		Western	MEDIUM
4	55.05		R078	W/O SR 432 AND COAL CREEK RD - LONGVIEW SR	5,055	-5.0%		Western	LOW
5	44.3		P8	N/O KELSO WEIGH STATION	51,302	7.4%		Western	MEDIUM
5	86.32		R019	S/O US 12 I/C - GRAND MOUND	62,245	7.9%		Puget Sound	MEDIUM
5	106.7		P4	S/O PACIFIC AVENUE I/C -OLYMPIA	142,862	3.5%		Puget Sound	HIGH
5	111.01		R060	S/O SR 510 I/C -LACEY	118,239	11.0%		Puget Sound	HIGH
5	119.39		R091	N/O DUPONT I/C -DUPONT	122,883	10.7%		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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5	126.76		R092	S/O SR 512 I/C - TACOMA	146,575	1.5%		Puget Sound	HIGH
5	136.8		S837	S/O SR 99 I/C - FIFE	192,256	6.3%		Puget Sound	HIGH
5	184.48		P1	N/O 164TH STREET SW I/C - EVERETT	185,393	4.8%		Puget Sound	HIGH
5	207.78		R001	S/O SR 530 I/C - MARYSVILLE	86,401	8.9%		Puget Sound	MEDIUM
5	226.96		R093	N/O SR 536 I/C - MT. VERNON	68,282	5.5%		Western	MEDIUM
5	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	49,467	16.8%		Western	MEDIUM
5	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	30,521	21.3%		Western	LOW-to-MEDIUM
8	20.67		R003W	AT US 101 OXING - OLYMPIA	16,818	4.0%		Puget Sound	LOW-to-MEDIUM
9	32.98		R083	N/O 53RD AVE NE - BRYANT	1,843	9.4%		Puget Sound	LOW
12	12.3		B02	W/O MONTE BRADY LOOP ROAD WYE CONN	19,628	0.7%		Western	LOW-to-MEDIUM
12	77.78		R075	E/O KENNEDY ROAD-SALKUM	6,117	1.1%		Western	LOW
12	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	1,312	3.8%	Rec	Western	LOW
12	185.62		S818E	E/O SR 410 - NACHES	3,005	1.6%	Rec	Central	LOW
12	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	1,851	-6.5%		Central	LOW
14	17.7		P07	E/O 32ND ST - WASHOUGAL	6,364	7.8%		Western	LOW
14	100.64		R076	W/O SR 14 MARYHILL SPUR - MARYHILL	2,255	29.9%		Central	LOW

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+Volume Group

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

*Alternate Route

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14	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,516	-11.4%		Central	LOW
16	8.43		R044	W/O TACOMA NARROWS BR - TACOMA	79,163	-5.1%		Puget Sound	MEDIUM
16	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	47,848	15.4%		Puget Sound	MEDIUM
17	30.37		R020	S/O LEE ROAD - OTHELLO	6,603	23.3%		Central	LOW
18	5.26		P20	E/O SR 164 I/C - AUBURN EAST	59,053	16.7%		Puget Sound	MEDIUM
18	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	34,783	34.9%		Puget Sound	LOW-to-MEDIUM
18	27.62		S838	S/O I-90 I/C - ECHO GLEN	24,103	38.9%		Puget Sound	LOW-to-MEDIUM
20	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	8,081	-1.3%		Puget Sound	LOW-to-MEDIUM
20	191.9		R037	W/O RADER ROAD - WINTHROP	787	-4.5%	Rec	Central	LOW
20	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	1,987	-6.2%		Eastern	LOW
24	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,307	29.7%		Central	LOW
25	97		P27	N/O BOSSBURG ROAD - BOSSBURG	306	-17.9%		Eastern	LOW
26	43.06		R066	E/O SR 17 I/C - OTHELLO	2,678	16.3%	Rec	Central	LOW
82	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	17,314	20.4%		Central	LOW-to-MEDIUM
82	34.02		P29	W/O SR 24 I/C - YAKIMA	49,029	15.0%		Central	MEDIUM
82	121.2		P09	W/O COFFIN RD I/C - PLYMOUTH	18,445	24.9%		Eastern	LOW-to-MEDIUM

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90	23.54		S826	E/O JONES ROAD I/C - PRESTON	60,228	28.9%		Puget Sound	MEDIUM
90	82.7		B04	W/O W FIRST STREET I/C - CLE ELUM	27,589	18.1%	Rec	Central	LOW-to-MEDIUM
90	136.59		R042	E/O HUNTZINGER ROAD I/C - VANTAGE	14,196	19.3%	Rec	Central	LOW-to-MEDIUM
90	180.33		R055	E/O SR 17 I/C - MOSES LAKE	10,684	16.8%	Rec	Central	LOW-to-MEDIUM
90	218.83		P10	W/O US 395 I/C - RITZVILLE	10,030	18.7%	Rec	Eastern	LOW-to-MEDIUM
90	254.23		R014	E/O FISHTRAP ROAD I/C -FISHTRAP	17,318	16.9%		Eastern	LOW-to-MEDIUM
97	13.41		R041	N/O STATE FRONTAGE RD - GOLDENDALE	4,783	13.5%		Central	LOW
97	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,051	14.9%		Central	LOW-to-MEDIUM
97	178.19		R047S	S/O OLD BLEWETT ROAD -BLEWETT PASS	4,685	19.9%	Rec	Central	LOW
97	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	5,977	20.9%		Central	LOW
97	220.55		R084	N/O BRAYS ROAD - ORONDO	4,330	6.2%		Central	LOW
97	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	4,181	23.2%		Central	LOW
97	286.16		P23	S/O SR 20 - OKANOGAN	3,673	-0.1%		Central	LOW
97	293.42		R068	N/O COPPLE ROAD - OMAK	5,115	10.3%		Central	LOW
101	0.6		S841W	NW/O SR 401 - CHINOOK	5,798	15.9%		Western	LOW
101	28.95		R074	N/O SR 4 - NEMAH	2,081	9.4%	Rec	Western	LOW

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101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	2,239	5.1%		Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	21,560	-2.7%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	10,814	7.7%		Western	LOW-to-MEDIUM
101	361.37		R003N	N/O SR 8 - OLYMPIA	30,872	5.0%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	47,615	4.3%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	15,596	1.7%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	5,103	-4.8%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	4,957	-4.3%		Western	LOW
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,757	2.6%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,287	-4.6%		Eastern	LOW-to-MEDIUM
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,127	14.5%		Central	LOW
307	2.31		R096	S/O NE GUNDERSON RD.	17,485	13.5%		Puget Sound	LOW-to-MEDIUM
395	27.2		B03	S/O VINEYARD DR - PASCO	16,129	26.9%		Central	LOW-to-MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	14,722	25.9%		Eastern	LOW-to-MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	7,564	16.0%		Eastern	LOW-to-MEDIUM
395	190.29		R063	S/O SR 292 - LOON LAKE	8,017	1.1%		Eastern	LOW-to-MEDIUM

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395	235.6		R070	N/O GREENWOOD LOOP RD	7,426	0.8%		Eastern	LOW-to-MEDIUM
395	260		P26	S/O LOUISE AVENUE- ORIENT	530	-13.4%		Eastern	LOW
401	0.15		S841E	NE/O US 101-MEGLER	2,325	9.2%		Western	LOW
405	9.26		D1	AT 112TH AVE SE UXING - BELLEVUE	149,325	7.3%		Puget Sound	HIGH
410	116.26		S818W	W/O US 12 - CHINOOK PASS	1,478	-2.0%	Rec	Central	LOW
433	0.7		S503	AT COLUMBIA RIVER BR - LONGVIEW	21,805	14.2%		Western	LOW-to-MEDIUM
512	1.53		D3	W/O SR 7 I/C PARKLAND	90,685	-0.3%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	58,229	1.2%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING -TOLLPLAZA	69,403	-32.3%		Puget Sound	MEDIUM
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	80,089	17.1%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	49,363	18.4%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	3,574	22.7%	Rec	Central	LOW

+Volume Group

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Prepared by the
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Multimodal Planning Division
Transportation Data & GIS Office

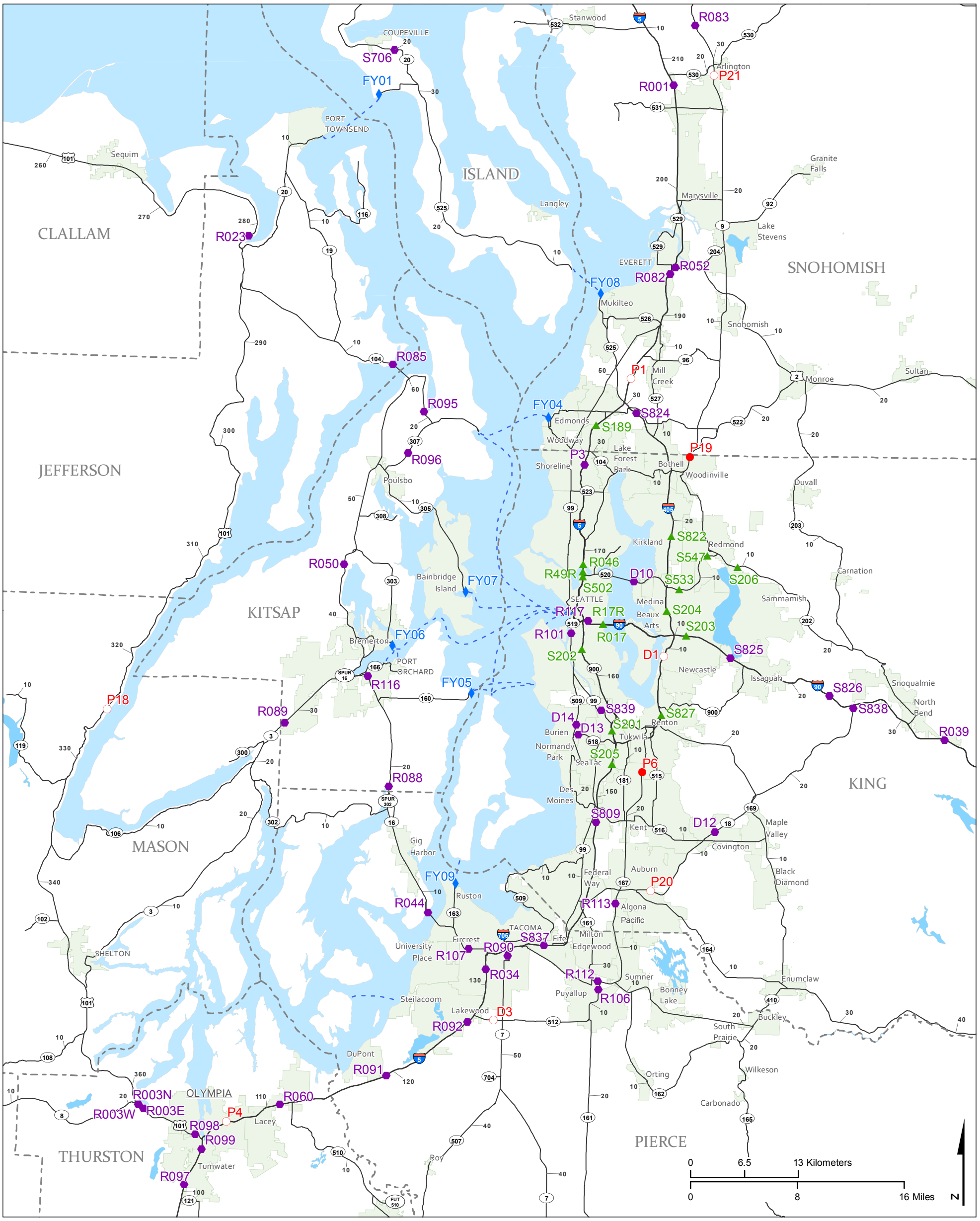
In cooperation with the
U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration

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