Permanent Traffic Recorder Data Collection Report

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

APRIL 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.

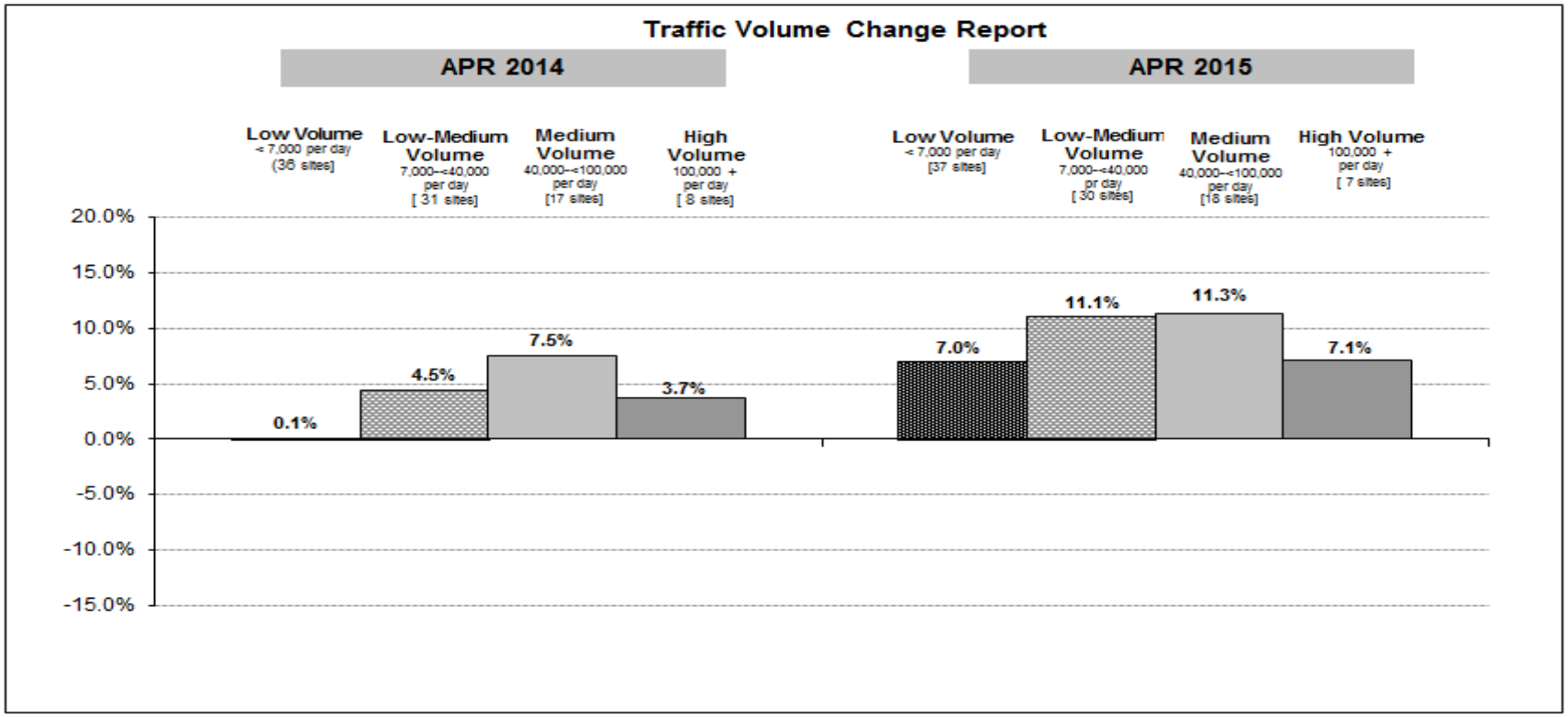
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 97 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 (+9.47**%)** when compared to the 5-year average from 2003 to 2007.

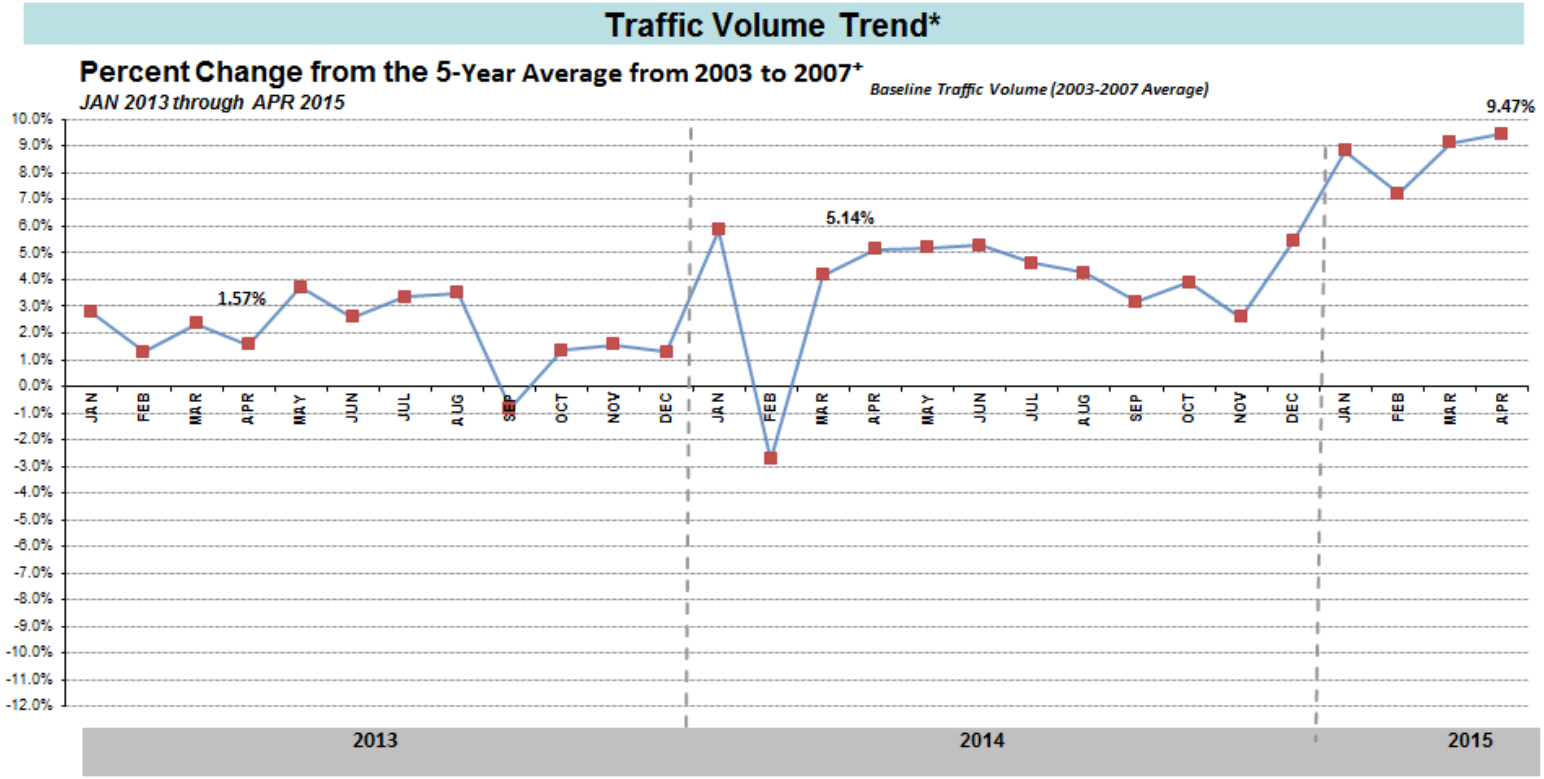
Traffic Volume Change Report for APR 2015*

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



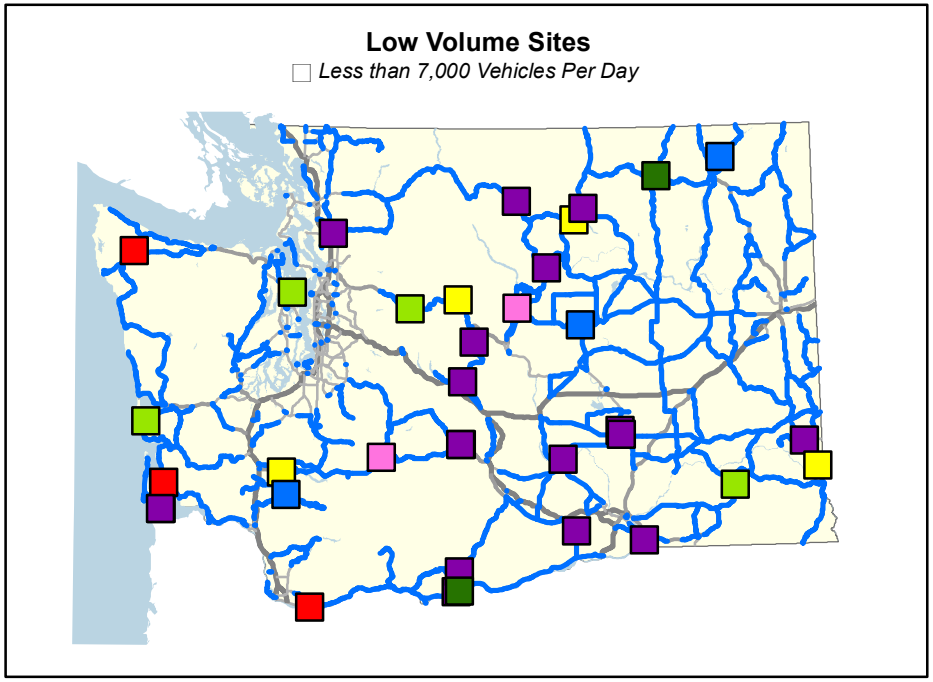
*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic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

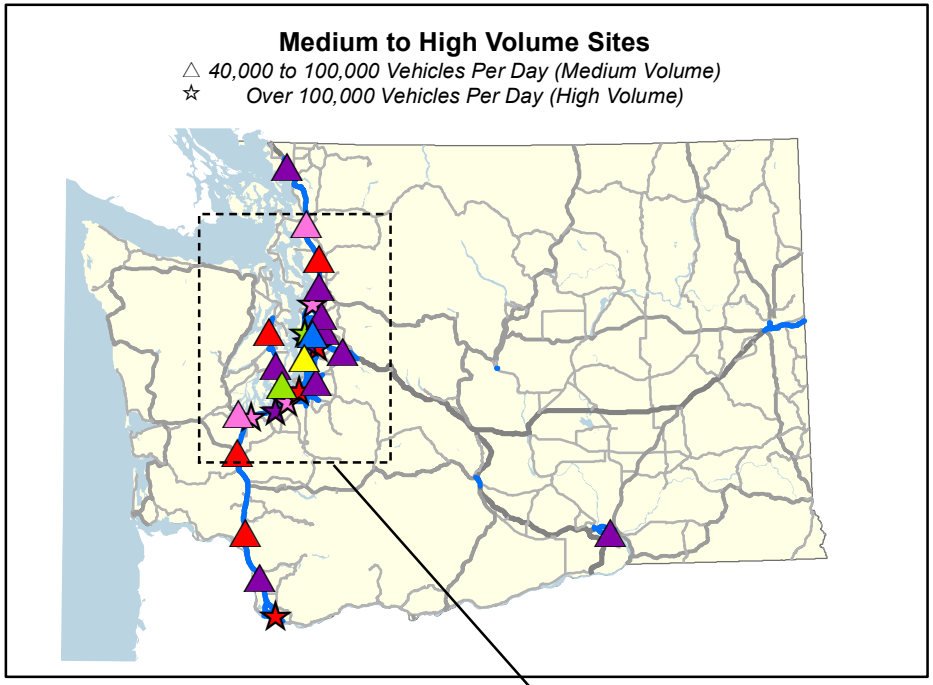
Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **April 2015** reflect an Increase of **(9.47%).**

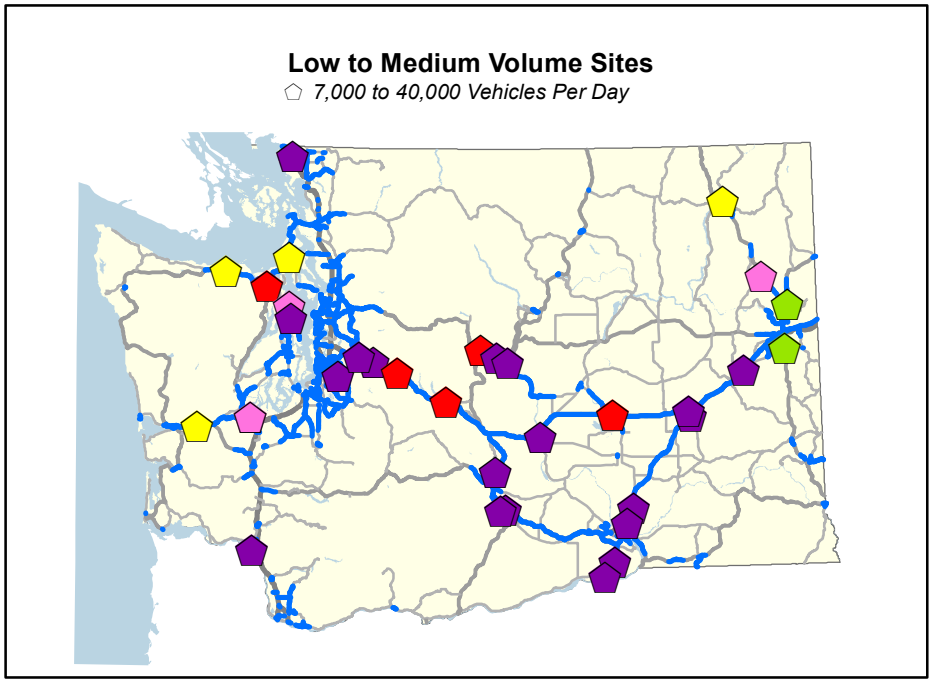


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. APR15 Preliminary data.
+Normal Traffic Volume 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).

Volume Change at Permanent Traffic Recorder Sites - April 2015



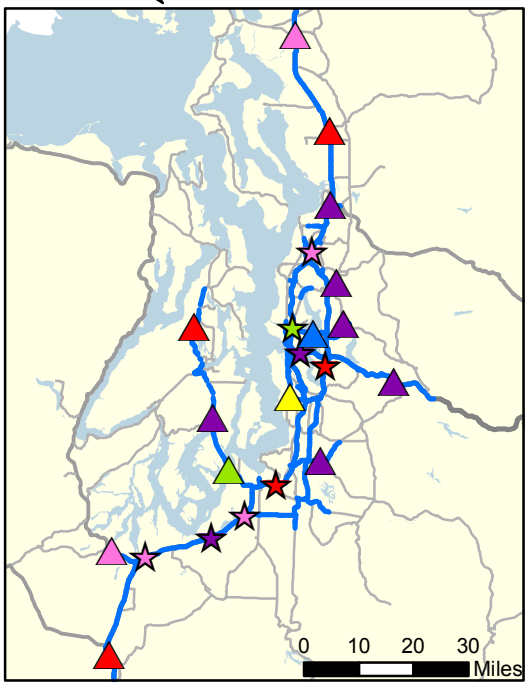




Percent Change

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

APR 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	0.26		R052	E/O I-5 I/C- EVERETT	78,788	15.1%		Puget Sound	MEDIUM
2	50.12		R038	E/O NE OLD CASCADE HWY - SKYKOMISH	3,722	-5.2%	Rec	Western	LOW
2	80.2		R058	E/O NASON RIDGE ROAD	3,429	1.8%	Rec	Central	LOW
2	103.92		R047W	W/O GREEN AND SAUNDERS ROADS - PESHASTIN	12,621	7.6%		Central	LOW-to-MEDIUM
2	113.1		P01	W/O RED APPLE RD - CASHMERE	22,327	10.8%		Central	LOW-to-MEDIUM
2	119.77		R053	E/O US 97AR I/C- WENATCHEE	24,126	17.2%		Central	LOW-to-MEDIUM
2	179.1		P02	E/O J SE - COULEE CITY	602	-14.5%	Rec	Central	LOW
2	301.4		P28	S/O NORWOOD ROAD - CHATTAROY	16,773	-4.8%		Eastern	LOW-to-MEDIUM
3	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	46,818	9.5%		Western	MEDIUM
5	20.14		R045	S/O SR 503 I/C- WOODLAND	73,109	13.2%		Western	MEDIUM
5	44.3		P8	N/O KELSO WEIGH STATION	53,304	8.1%		Western	MEDIUM
5	86.32		R019	S/O US 12 I/C- GRAND MOUND	64,015	8.4%		Puget Sound	MEDIUM
5	106.7		P4	S/O PACIFIC AVENUE I/C -OLYMPIA	145,042	4.0%		Puget Sound	HIGH
5	119.39		R091	N/O DUPONT I/C-DUPONT	126,073	11.9%		Puget Sound	HIGH
5	126.76		R092	S/O SR 512 I/C- TACOMA	150,876	3.4%		Puget Sound	HIGH
5	136.8		S837	S/O SR 99 I/C- FIFE	195,892	7.1%		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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5	168.84		R046	S/O NE 45TH STREET I/C - SEATTLE	209,802	-3.6%		Puget Sound	HIGH
5	184.48		P1	N/O 164TH STREET SW I/C - EVERETT	189,281	3.5%		Puget Sound	HIGH
5	207.78		R001	S/O SR 530 I/C - MARYSVILLE	91,442	8.1%		Puget Sound	MEDIUM
5	226.96		R093	N/O SR 536 I/C - MT. VERNON	70,378	4.5%		Western	MEDIUM
5	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	51,419	18.6%		Western	MEDIUM
5	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	31,281	20.8%		Western	LOW-to-MEDIUM
8	20.67		R003W	AT US 101 OKING - OLYMPIA	17,598	3.6%		Puget Sound	LOW-to-MEDIUM
9	32.98		R083	N/O 53RD AVE NE - BRYANT	2,095	10.8%		Puget Sound	LOW
12	12.3		B02	W/O MONTE BRADY LOOP ROAD WYE CONN	20,837	1.5%		Western	LOW-to-MEDIUM
12	77.78		R075	E/O KENNEDY ROAD-SALKUM	6,573	1.2%		Western	LOW
12	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	1,435	2.5%	Rec	Western	LOW
12	185.62		S818E	E/O SR 410 - NACHES	3,535	6.6%	Rec	Central	LOW
12	307.9		R008	E/O US 730 WALLULA SPUR	7,472	19.0%		Eastern	LOW
12	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	1,988	-6.0%		Central	LOW
14	17.7		P07	E/O 32ND ST - WASHOUGAL	6,771	7.0%		Western	LOW
14	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,573	31.8%		Central	LOW

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14	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,685	-7.8%		Central	LOW
16	8.43		R044	W/O TACOMA NARROWS BR - TACOMA	80,604	-5.1%		Puget Sound	MEDIUM
16	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	48,813	15.4%		Puget Sound	MEDIUM
17	30.37		R020	S/O LEE ROAD - OTHELLO	6,788	24.4%		Central	LOW
18	5.26		P20	E/O SR 164 I/C - AUBURN EAST	61,978	18.9%		Puget Sound	MEDIUM
18	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	36,384	33.6%		Puget Sound	LOW-to-MEDIUM
18	27.62		S838	S/O I-90 I/C - ECHO GLEN	25,057	33.8%		Puget Sound	LOW-to-MEDIUM
20	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	8,463	-1.5%		Puget Sound	LOW-to-MEDIUM
20	191.9		R037	W/O RADER ROAD - WINTHROP	1,456	26.1%	Rec	Central	LOW
20	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,121	-9.9%		Eastern	LOW
24	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,499	29.6%		Central	LOW
25	97		P27	N/O BOSSBURG ROAD - BOSSBURG	317	-10.3%		Eastern	LOW
26	43.06		R066	E/O SR 17 I/C - OTHELLO	2,890	14.1%	Rec	Central	LOW
82	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	18,251	15.2%		Central	LOW-to-MEDIUM
82	48.5		P08	W/O SR 22 I/C - BUENA	26,477	11.2%		Central	LOW-to-MEDIUM
82	121.2		P09	W/O COFFIN RD I/C - PLYMOUTH	19,160	25.6%		Eastern	LOW-to-MEDIUM

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+Volume Group

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82	132.03		R086	E/O SR 14 - WALLULA	20,261	25.2%		Central	LOW-to-MEDIUM
90	4.22		R017	AT E. END OF MT BAKER TUNNEL- SEATTLE	131,307	10.5%		Puget Sound	HIGH
90	23.54		S826	E/O JONES ROAD I/C - PRESTON	61,987	28.5%		Puget Sound	MEDIUM
90	33.56		R039	W/O 468TH AVE SE I/C NORTH BEND	33,917	11.1%	Rec	Puget Sound	LOW-to-MEDIUM
90	47.71		S901	AT TINKHAM ROAD UXING - TINKHAM RD	30,075	7.7%	Rec	Western	LOW-to-MEDIUM
90	82.7		B04	W/O W FIRST STREET I/C - CLE ELUM	30,101	9.2%	Rec	Central	LOW-to-MEDIUM
90	136.59		R042	E/O HUNTZINGER ROAD I/C - VANTAGE	15,629	11.6%	Rec	Central	LOW-to-MEDIUM
90	180.33		R055	E/O SR 17 I/C - MOSES LAKE	11,601	9.6%	Rec	Central	LOW-to-MEDIUM
90	218.83		P10	W/O US 395 I/C - RITZVILLE	10,896	12.0%	Rec	Eastern	LOW-to-MEDIUM
90	254.23		R014	E/O FISHTRAP ROAD I/C - FISHTRAP	18,720	14.4%		Eastern	LOW-to-MEDIUM
97	13.41		R041	N/O STATE FRONTAGE RD - GOLDENDALE	5,135	11.6%		Central	LOW
97	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,227	14.3%		Central	LOW-to-MEDIUM
97	178.19		R047S	S/O OLD BLEWETT ROAD - BLEWETT PASS	5,290	10.8%	Rec	Central	LOW
97	220.55		R084	N/O BRAYS ROAD - ORONDO	4,672	4.1%		Central	LOW
97	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	4,538	19.2%		Central	LOW
97	286.16		P23	S/O SR 20 - OKANOGAN	4,036	1.2%		Central	LOW

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97	293.42		R068	N/O COPPLE ROAD - OMAK	5,572	11.0%		Central	LOW
101	0.6		S841W	NW/O SR 401 - CHINOOK	6,186	13.8%		Western	LOW
101	28.95		R074	N/O SR 4 - NEMAH	2,427	9.7%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	2,412	7.0%		Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	22,515	-1.3%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	11,677	9.1%		Western	LOW-to-MEDIUM
101	361.37		R003N	N/O SR 8 - OLYMPIA	31,260	4.3%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	48,758	3.8%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	16,706	2.9%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	5,472	-5.2%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	5,356	-4.2%		Western	LOW
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,983	1.5%		Eastern	LOW
195	22.2		P14	S/O SR 270 - PULLMAN	3,655	17.0%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,634	-4.1%		Eastern	LOW-to-MEDIUM
205	28.84		R051	N/O MILL PLAIN I/C- VANCOUVER	118,144	7.4%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,235	18.8%		Central	LOW

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307	2.31		R096	S/O NE GUNDERSON RD.	17,766	13.6%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	65,203	13.4%		Central	MEDIUM
395	27.2		B03	S/O VINEYARD DR - PASCO	17,146	26.3%		Central	LOW-to-MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	15,399	27.0%		Eastern	LOW-to-MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	8,173	18.0%		Eastern	LOW-to-MEDIUM
395	190.29		R063	S/O SR 292 - LOON LAKE	8,726	2.1%		Eastern	LOW-to-MEDIUM
395	235.6		R070	N/O GREENWOOD LOOP RD	7,836	0.1%		Eastern	LOW-to-MEDIUM
401	0.15		S841E	NE/O US 101-MEGLER	2,517	5.1%		Western	LOW
405	9.26		D1	AT 112TH AVE SE UXING - BELLEVUE	152,583	7.9%		Puget Sound	HIGH
410	116.26		S818W	W/O US 12 - CHINOOK PASS	1,841	12.0%	Rec	Central	LOW
433	0.7		S503	AT COLUMBIA RIVER BR - LONGVIEW	22,354	13.6%		Western	LOW-to-MEDIUM
504	19.43		S840	E/O PRIVATE ROAD 1900 - KID VALLEY	421	-21.9%	Rec	Western	LOW
518	0.35		D13	E/O SR 509 I/C - SEATAC	58,885	1.2%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING -TOLLPLAZA	67,940	-34.5%		Puget Sound	MEDIUM
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	79,243	15.6%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	50,497	18.9%		Puget Sound	MEDIUM

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970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	4,136	11.0%	Rec	Central	LOW

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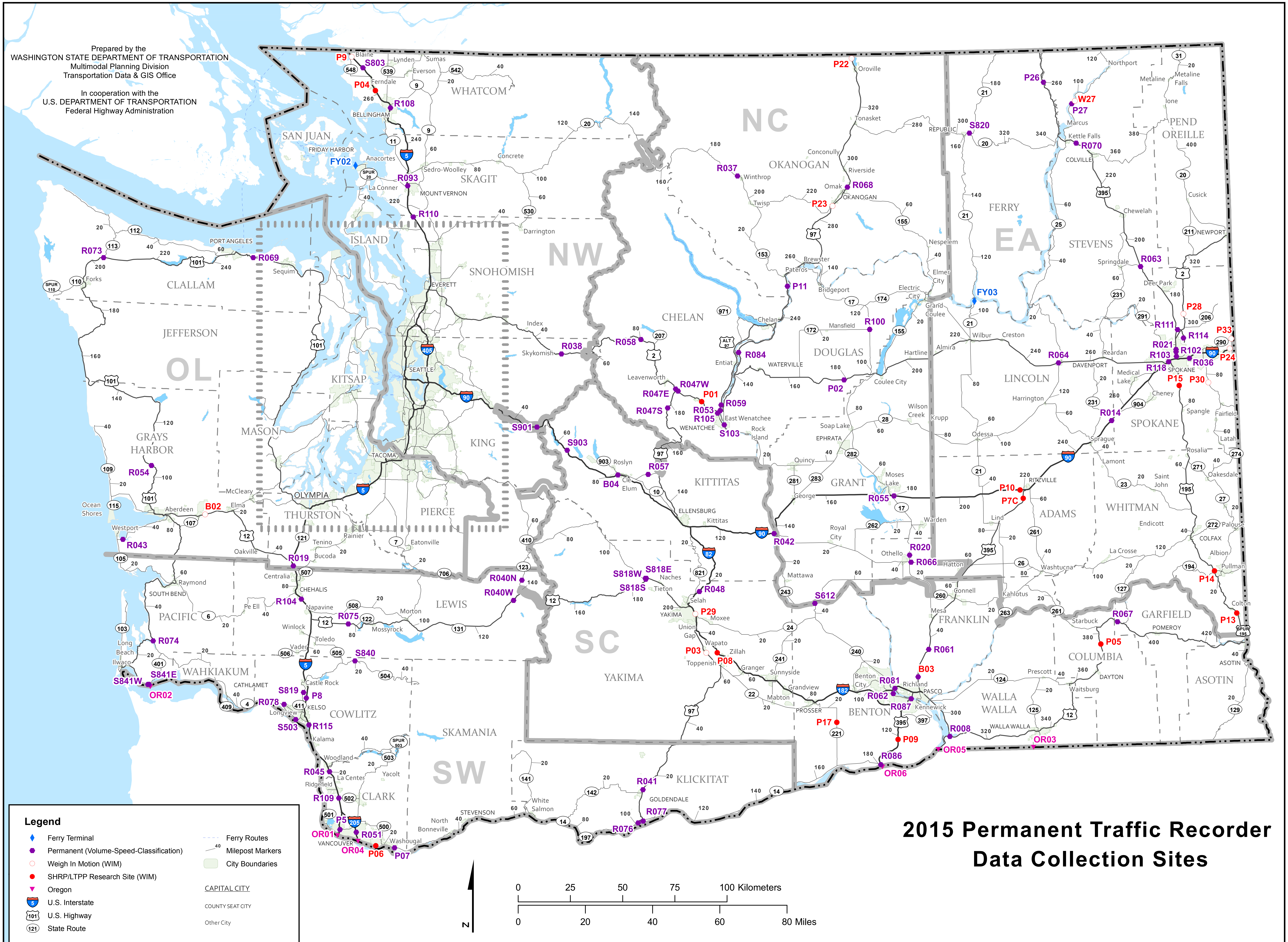
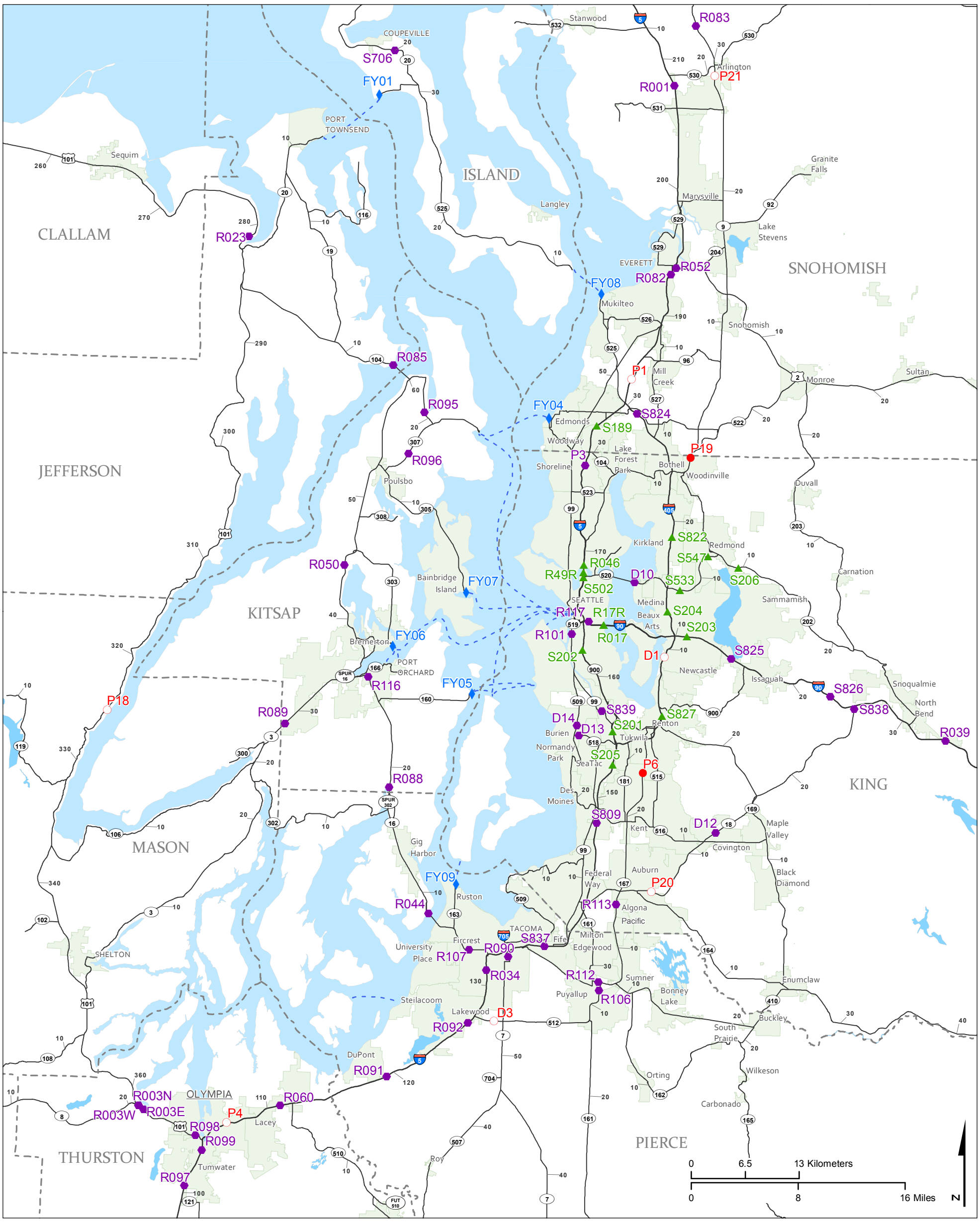
2015 Permanent Traffic Recorder Data Collection Sites





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