

Permanent Traffic Recorder Data Collection Report

STRATEGIC PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

JUNE 2014



**Washington State
Department of Transportation**

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

TABLE OF CONTENTS.....1

PERMANENT TRAFFIC RECORDER DATA COLLECTION REPORT METHODOLOGY.....2

GLOSSARY.....3

EXECUTIVE SUMMARY.....4

TRAFFIC VOLUME TREND.....5

TRAFFIC VOLUME CHANGE REPORT..... 6

PERMANENT TRAFFIC RECORDER DATA COLLECTION REPORT DETAIL.....7-12

PTR 2014 STATEWIDE MAP.....13

PTR 2014 PUGET SOUND MAP.....14

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.

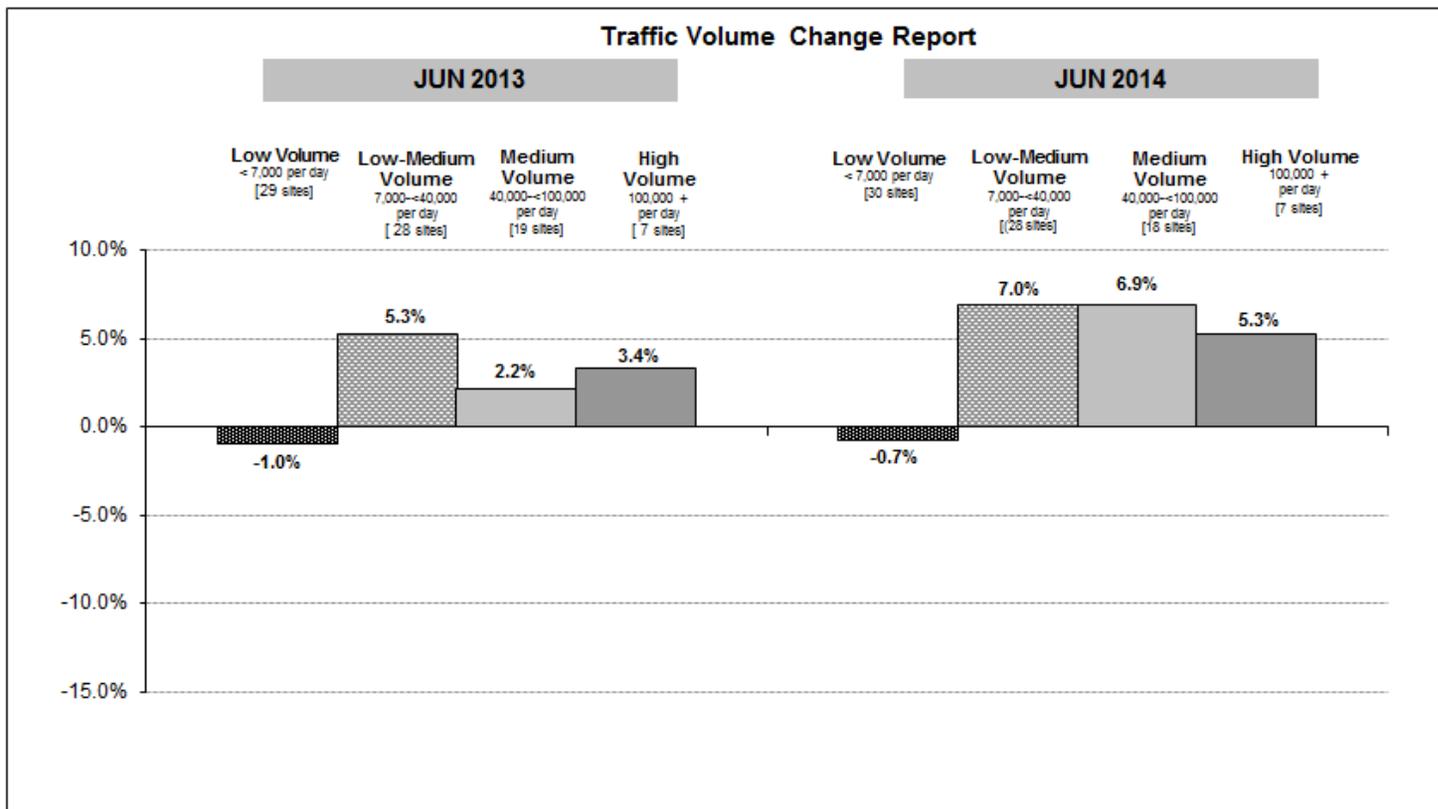
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 83 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 (+5.28%) when compared to the 5-year average from 2003 to 2007.

Traffic Volume Change Report for JUNE 2014*

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

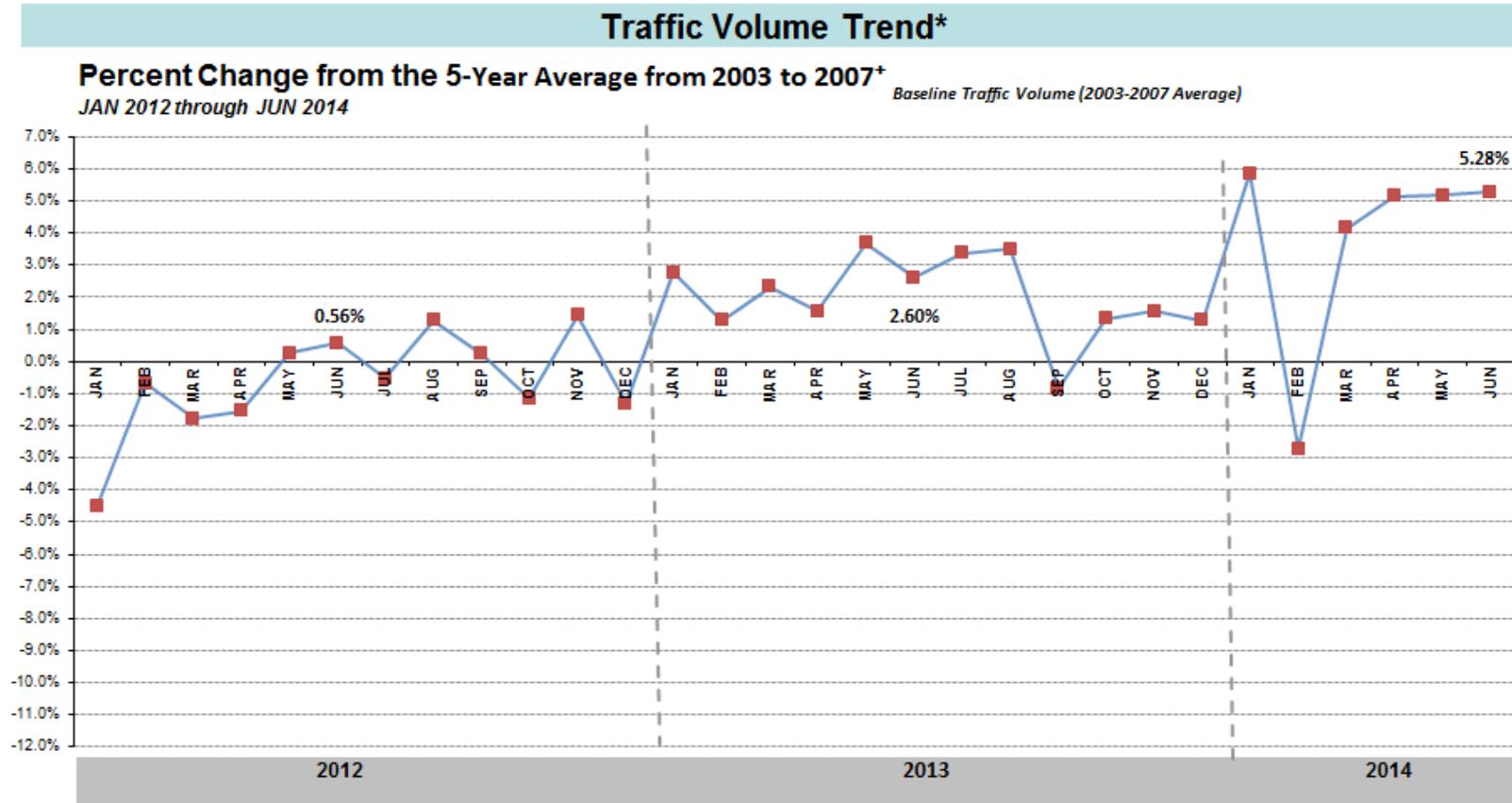


*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).

Unit of volume measurement is monthly average daily traffic (MADT).

Source: Statewide Travel & Collision Data Office from Permanent Traffic Recorder Sites

Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **June 2014** reflect an increase of **(+5.28%)**.

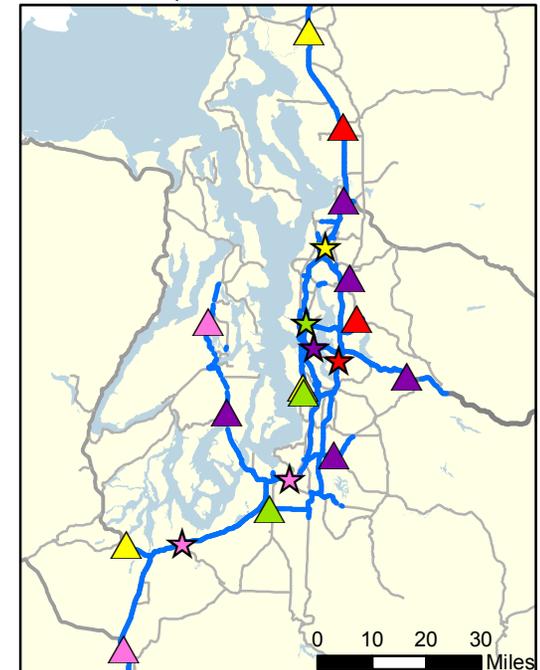
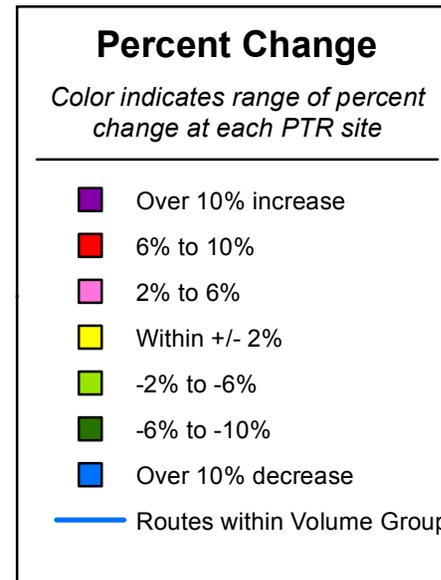
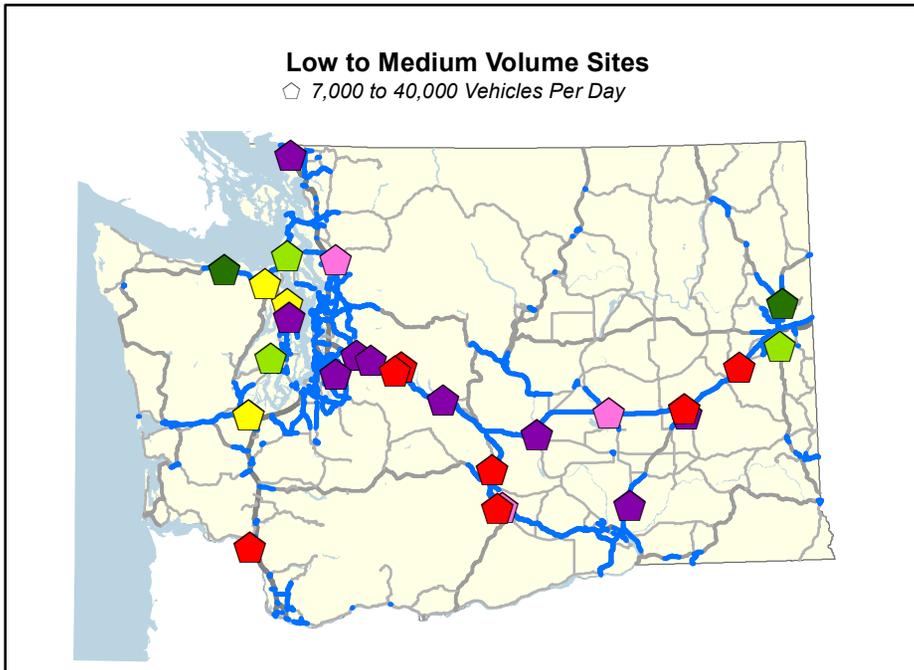
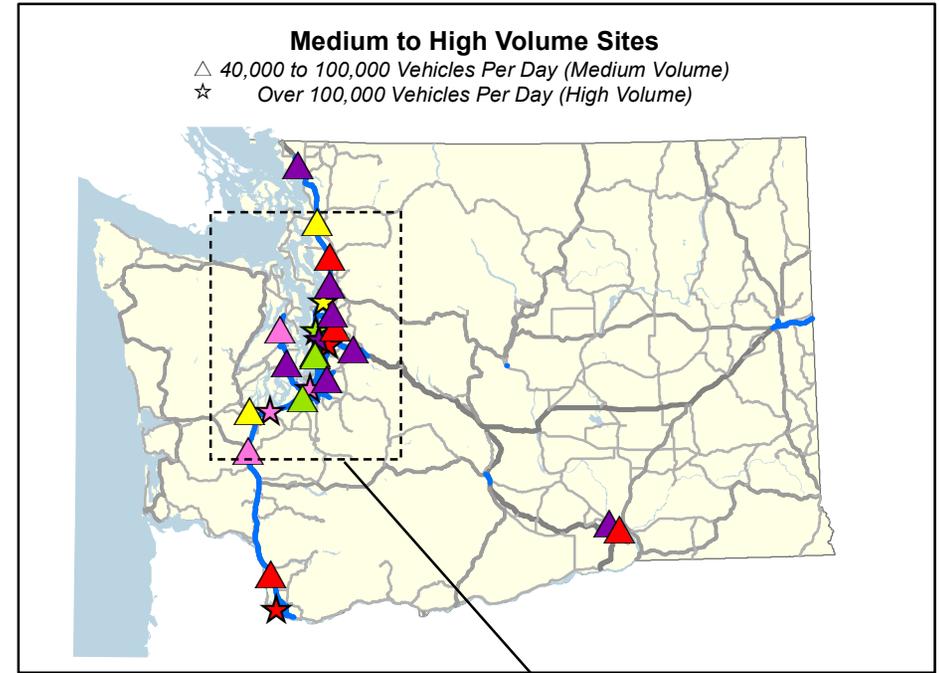
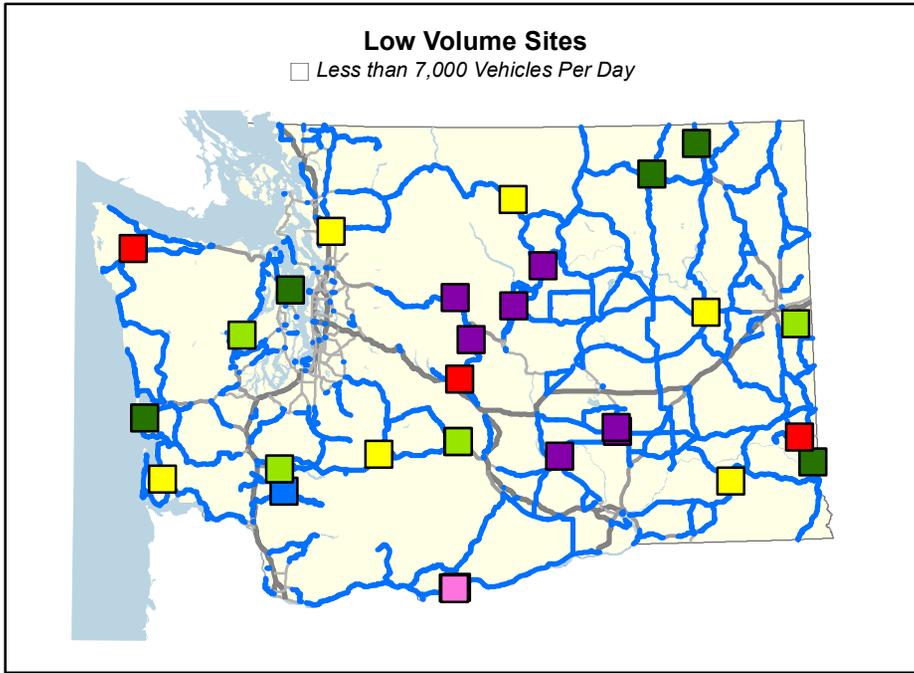


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2008-2012) based on highway volume. JUN14 Preliminary data.
⁺Normal Traffic Volume 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%).

History of the Data:

- Jan 2012 - Winter storm - Ice/Snow with widespread power outages.
- Feb 2014 - Multiple storms, floods, and road closures.

Volume Change at Permanent Traffic Recorder Sites - June 2014



**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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	79,267	11.7%		Puget Sound	MEDIUM
2	80.2		R058	E/O NASON RIDGE ROAD	5,332	15.5%	Rec	Central	LOW
2	250.5		R064	W/O GUNNING RD - DAVENPORT	3,270	-1.5%		Eastern	LOW
2	301.4		P28	S/O NORWOOD ROAD - CHATTAROY	17,581	-9.4%		Eastern	LOW-to-MEDIUM
3	28.68		R089	S/O LAKE FLORA RD.- GRAPEVIEW	17,556	-3.2%		Puget Sound	LOW-to-MEDIUM
3	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	46,540	3.7%		Western	MEDIUM
5	1.98		P5	S/O SR 500/39TH ST I/C -VANCOUVER	137,235	6.9%		Western	HIGH
5	20.14		R045	S/O SR 503 I/C - WOODLAND	74,858	6.5%		Western	MEDIUM
5	86.32		R019	S/O US 12 I/C - GRAND MOUND	66,218	3.1%		Puget Sound	MEDIUM
5	111.01		R060	S/O SR 510 I/C -LACEY	121,915	5.3%		Puget Sound	HIGH
5	136.8		S837	S/O SR 99 I/C - FIFE	197,136	2.1%		Puget Sound	HIGH
5	168.84		R046	S/O NE 45TH STREET I/C - SEATTLE	210,777	-5.4%		Puget Sound	HIGH
5	184.48		P1	N/O 164TH STREET SW I/C - EVERETT	191,227	2.0%		Puget Sound	HIGH
5	207.78		R001	S/O SR 530 I/C - MARYSVILLE	92,941	6.8%		Puget Sound	MEDIUM
5	226.96		R093	N/O SR 536 I/C - MT. VERNON	72,050	1.7%		Western	MEDIUM
5	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	53,168	17.2%		Western	MEDIUM

**"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

**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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+
5	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	34,028	23.8%		Western	LOW-to-MEDIUM
8	20.67		R003W	AT US 101 OXING - OLYMPIA	18,344	1.3%		Puget Sound	LOW-to-MEDIUM
9	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	12,318	4.8%		Puget Sound	LOW-to-MEDIUM
9	32.98		R083	N/O 53RD AVE NE - BRYANT	2,138	0.9%		Puget Sound	LOW
12	77.78		R075	E/O KENNEDY ROAD-SALKUM	7,111	-3.1%		Western	LOW
12	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	2,071	-0.7%	Rec	Western	LOW
12	185.62		S818E	E/O SR 410 - NACHES	5,307	-2.4%	Rec	Central	LOW
12	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,440	-1.7%		Central	LOW
14	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,396	6.9%		Central	LOW
14	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,989	-6.0%		Central	LOW
16	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	49,681	10.5%		Puget Sound	MEDIUM
17	30.37		R020	S/O LEE ROAD - OTHELLO	6,668	19.0%		Central	LOW
18	5.26		P20	E/O SR 164 I/C - AUBURN EAST	62,962	11.2%		Puget Sound	MEDIUM
18	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	37,551	24.6%		Puget Sound	LOW-to-MEDIUM
18	27.62		S838	S/O I-90 I/C - ECHO GLEN	27,261	26.9%		Puget Sound	LOW-to-MEDIUM
20	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	8,688	-5.0%		Puget Sound	LOW-to-MEDIUM

+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

*"Rec" is Recreational Route

**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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+
20	191.9		R037	W/O RADER ROAD - WINTHROP	2,341	1.7%	Rec	Central	LOW
20	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,544	-8.6%		Eastern	LOW
24	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,712	21.3%		Central	LOW
26	43.06		R066	E/O SR 17 I/C - OTHELLO	2,811	13.3%	Rec	Central	LOW
27	77.3		P30	S/O GIBBS ROAD - SPOKANE VALLEY	6,410	-4.8%		Eastern	LOW
82	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	19,072	6.8%		Central	LOW-to-MEDIUM
82	48.5		P08	W/O SR 22 I/C - BUENA	27,415	5.0%		Central	LOW-to-MEDIUM
90	4.22		R017	AT E. END OF MT BAKER TUNNEL- SEATTLE	142,932	13.7%		Puget Sound	HIGH
90	23.54		S826	E/O JONES ROAD I/C - PRESTON	66,796	24.3%		Puget Sound	MEDIUM
90	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	40,400	11.7%	Rec	Puget Sound	LOW-to-MEDIUM
90	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	35,705	8.7%	Rec	Western	LOW-to-MEDIUM
90	52.24		S902	AT SR 906 OXING - SNOQUALMIE	34,049	8.9%	Rec	Western	LOW-to-MEDIUM
90	82.7		B04	W/O W FIRST STREET I/C - CLE ELUM	35,919	10.4%	Rec	Central	LOW-to-MEDIUM
90	136.59		R042	E/O HUNTZINGER ROAD I/C - VANTAGE	18,722	14.5%	Rec	Central	LOW-to-MEDIUM
90	180.33		R055	E/O SR 17 I/C - MOSES LAKE	13,577	4.1%	Rec	Central	LOW-to-MEDIUM
90	218.83		P10	W/O US 395 I/C - RITZVILLE	12,805	7.2%	Rec	Eastern	LOW-to-MEDIUM

**"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

**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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+
90	254.23		R014	E/O FISHTRAP ROAD I/C -FISHTRAP	21,178	9.7%		Eastern	LOW-to-MEDIUM
97	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,133	7.6%		Central	LOW-to-MEDIUM
97	178.19		R0475	S/O OLD BLEWETT ROAD -BLEWETT PASS	7,243	12.4%	Rec	Central	LOW
97	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	8,137	5.4%		Central	LOW
97	220.55		R084	N/O BRAYS ROAD - ORONDO	5,130	11.6%		Central	LOW
97	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	5,006	12.0%		Central	LOW
101	28.95		R074	N/O SR 4 - NEMAH	2,686	-0.8%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	2,859	9.0%		Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	22,866	-7.1%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	12,507	1.7%		Western	LOW-to-MEDIUM
101	324.8		P18	S/O EAGLE CREEK BRIDGE - LILLIWAUP	2,830	-5.3%	Rec	Puget Sound	LOW
101	361.37		R003N	N/O SR 8 - OLYMPIA	31,563	-1.6%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	49,940	-0.6%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	17,650	-1.9%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	5,946	-9.8%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	5,639	-7.0%		Western	LOW

+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

*"Rec" is Recreational Route

**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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+
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	62,668	36.6%		Eastern	MEDIUM
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,697	-6.6%		Eastern	LOW
195	22.2		P14	S/O SR 270 - PULLMAN	3,603	9.5%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,667	-4.6%		Eastern	LOW-to-MEDIUM
307	2.31		R096	S/O NE GUNDERSON RD.	17,899	11.4%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	63,397	7.0%		Central	MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	16,088	21.0%		Eastern	LOW-to-MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	9,317	15.3%		Eastern	LOW-to-MEDIUM
395	260		P26	S/O LOUISE AVENUE- ORIENT	682	-6.8%		Eastern	LOW
405	9.26		D1	AT 112TH AVE SE UXING - BELLEVUE	156,353	6.6%		Puget Sound	HIGH
410	116.26		S818W	W/O US 12 - CHINOOK PASS	2,617	-8.6%	Rec	Central	LOW
433	0.7		S503	AT COLUMBIA RIVER BR - LONGVIEW	22,586	6.2%		Western	LOW-to-MEDIUM
504	19.43		S840	E/O PRIVATE ROAD 1900 - KID VALLEY	1,069	-21.9%	Rec	Western	LOW
509	26.37		D14	N/O SR 518 I/C - BURIEN	60,602	-1.0%		Puget Sound	MEDIUM
512	1.53		D3	W/O SR 7 I/C PARKLAND	90,333	-3.9%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	59,923	-3.4%		Puget Sound	MEDIUM

+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

*"Rec" is Recreational Route

**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 2014**

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+
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	76,420	8.0%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	50,770	15.8%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	5,530	8.9%	Rec	Central	LOW

+Volume Group

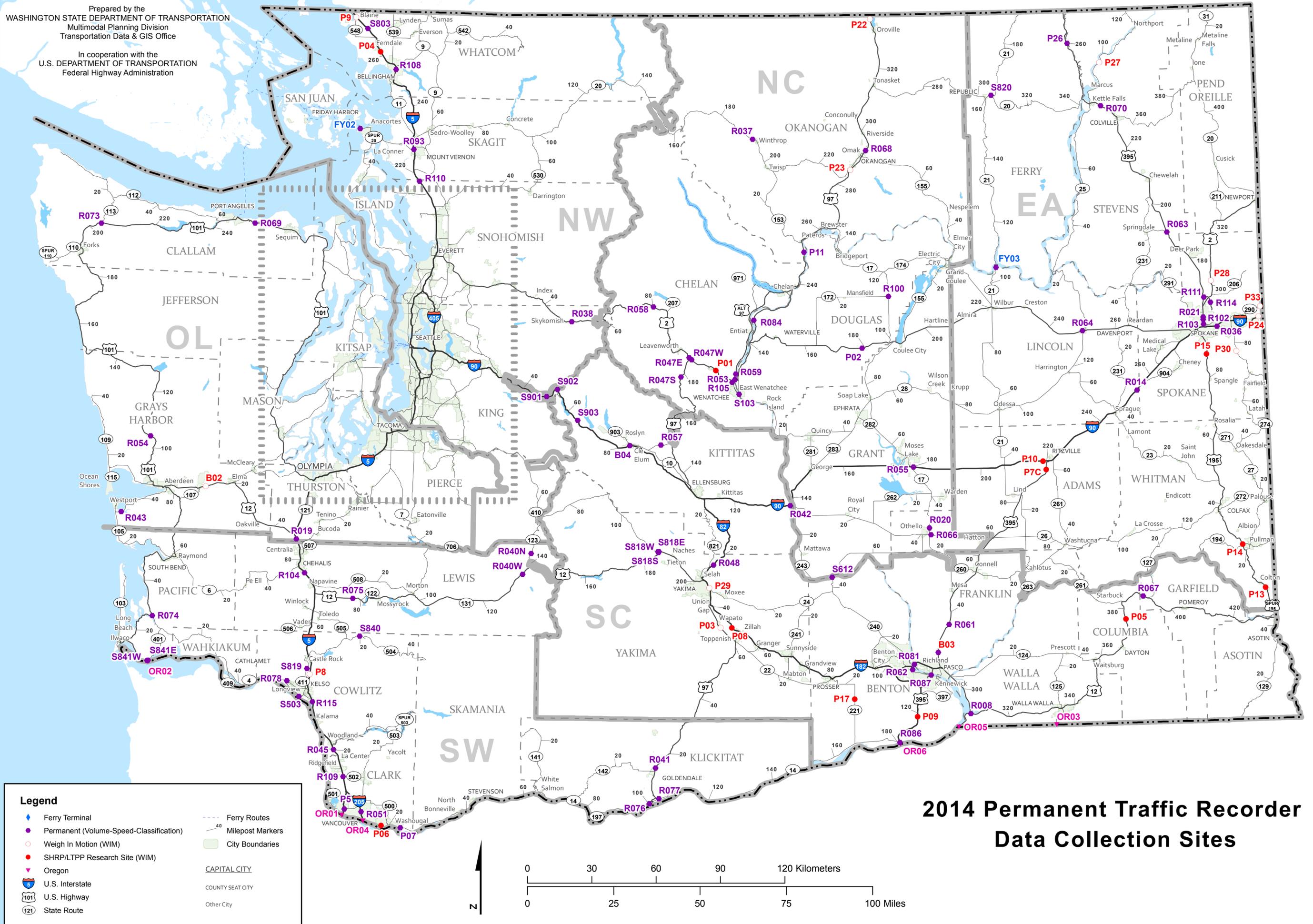
LOW (< 7,000 vehicles per day)
LOW-To-MEDIUM (7,000 -<40,000 vehicles per day)
MEDIUM (40,000 -< 100,000 vehicles per day)
HIGH (100,000 + vehicles per day)

*Alternate Route

**"Rec" is Recreational Route

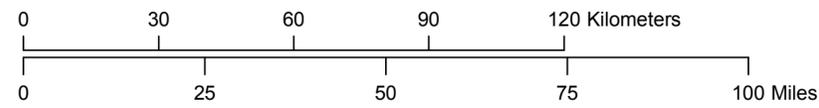
Prepared by the
 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 Multimodal Planning Division
 Transportation Data & GIS Office

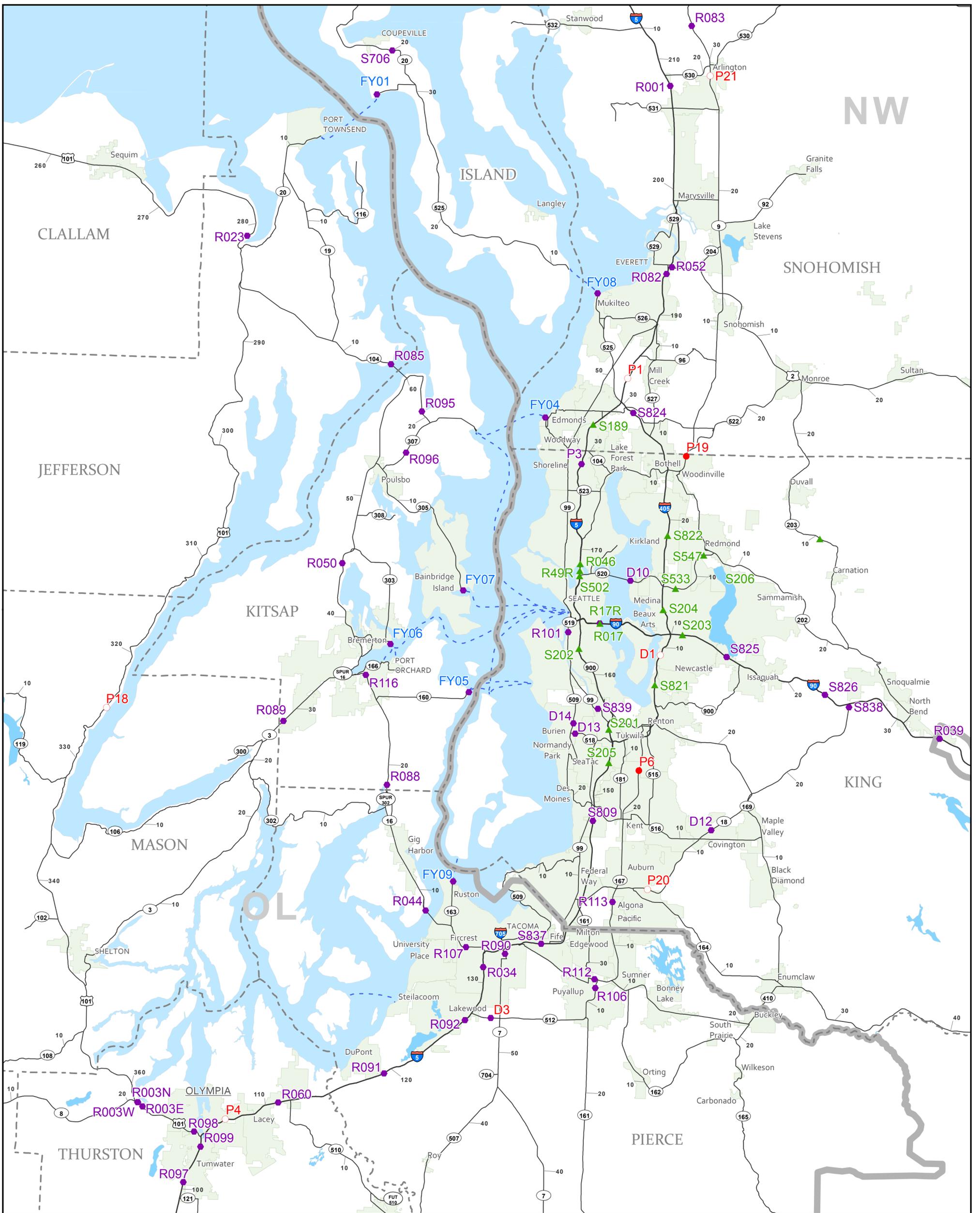
In cooperation with the
 U.S. DEPARTMENT OF TRANSPORTATION
 Federal Highway Administration



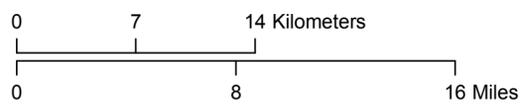
2014 Permanent Traffic Recorder Data Collection Sites

- 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
 - 40 Milepost Markers
 - City Boundaries
 - CAPITAL CITY
 - COUNTY SEAT CITY
 - Other City





2014 Permanent Traffic Recorder Data Collection Sites



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