Permanent Traffic Recorder (PTR) Monthly Traffic Volume Trend Report

MULTIMODAL PLANNING DIVISION
TRANSPORTATION DATA, GIS & MODELING OFFICE (TDGMO)

AUGUST 2016

Washington State Department of Transportation

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

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Permanent Traffic Recorder (PTR) Monthly Traffic Volume Trend Report Methodology

The (PTR) Monthly Traffic Volume Trend 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, GIS & Modeling 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

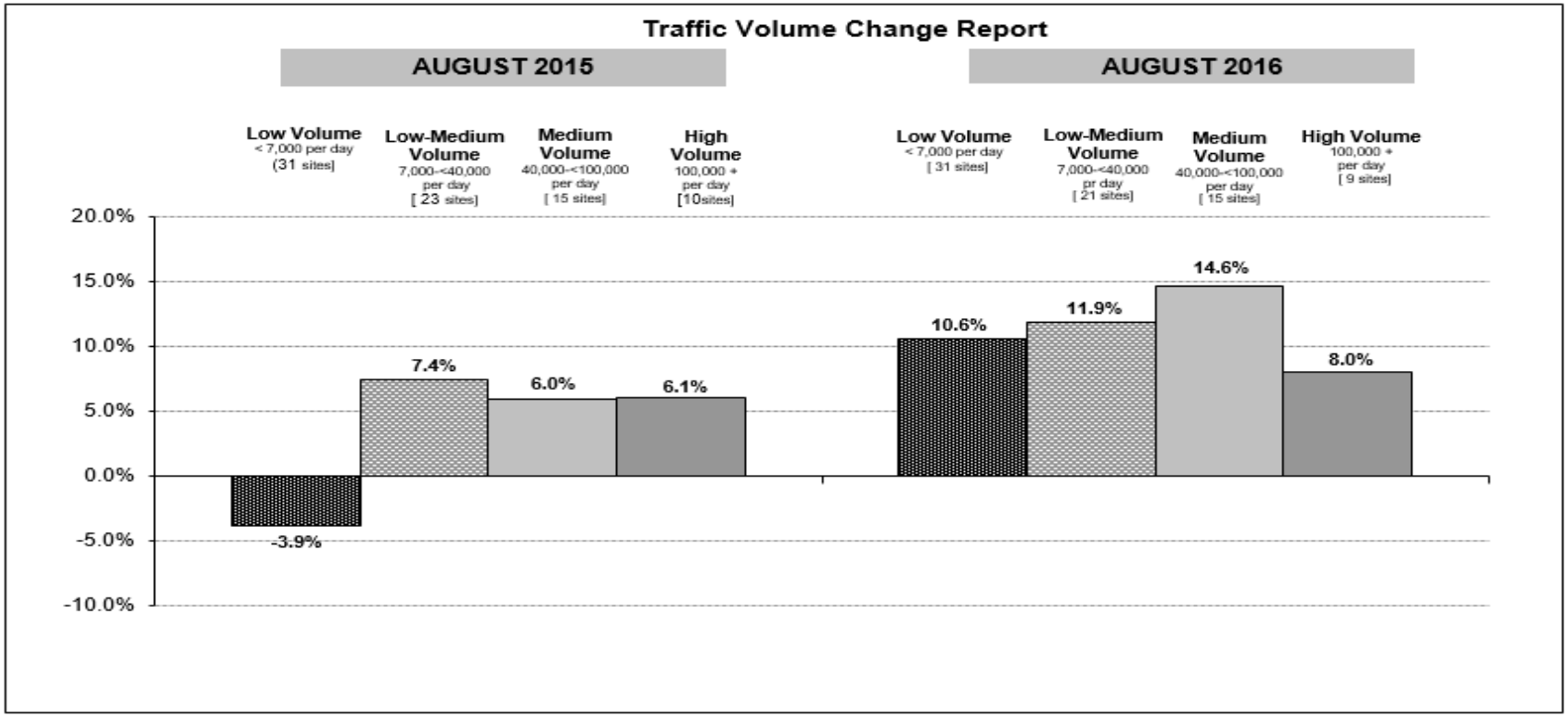
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 72 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 (+10.91**%)** when compared to the 5-year average from 2003 to 2007.

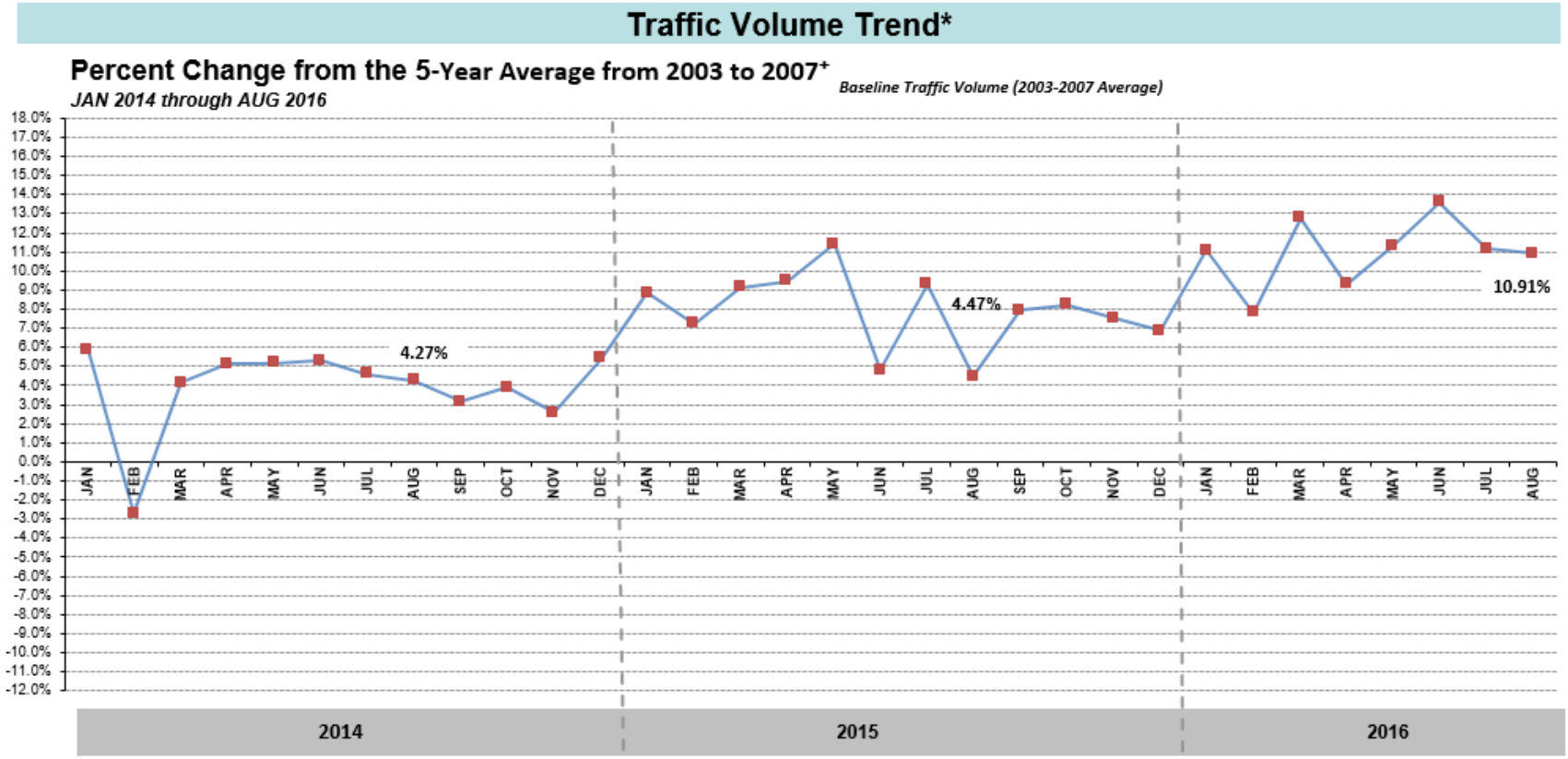
Traffic Volume Change Report for AUGUST 2016*

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



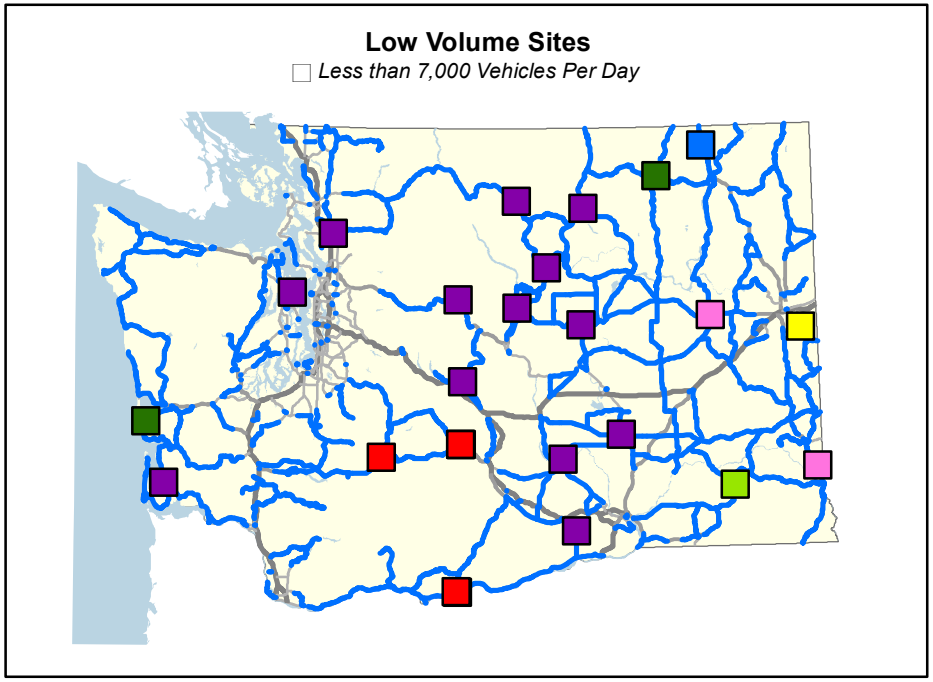
*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic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

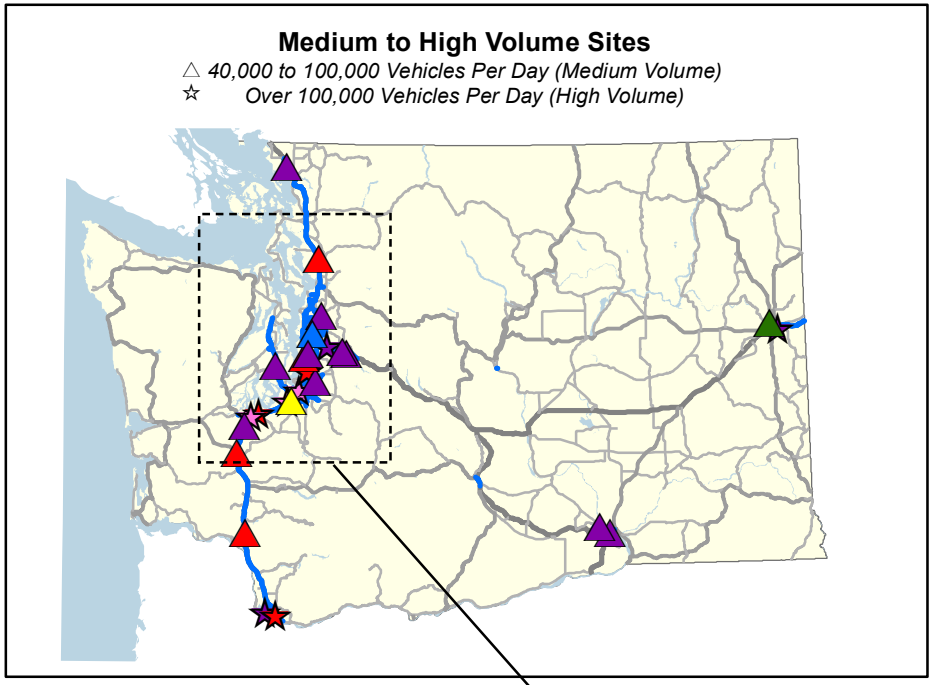
Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **August 2016** reflect an Increase of **(+10.91%).**

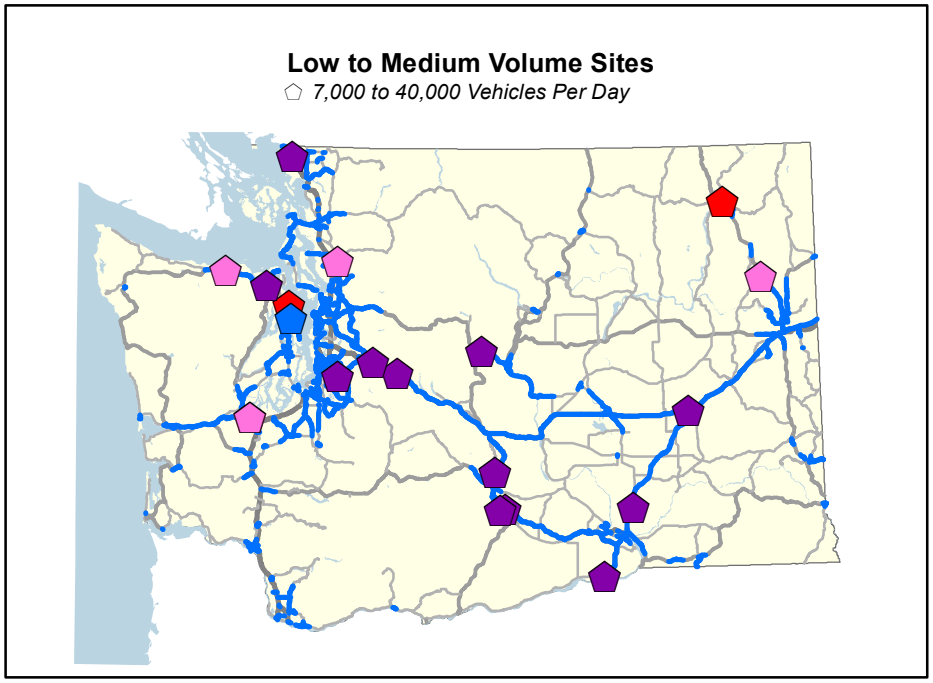


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. AUG16 Preliminary data.
+Normal Traffic Volume 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 - August 2016



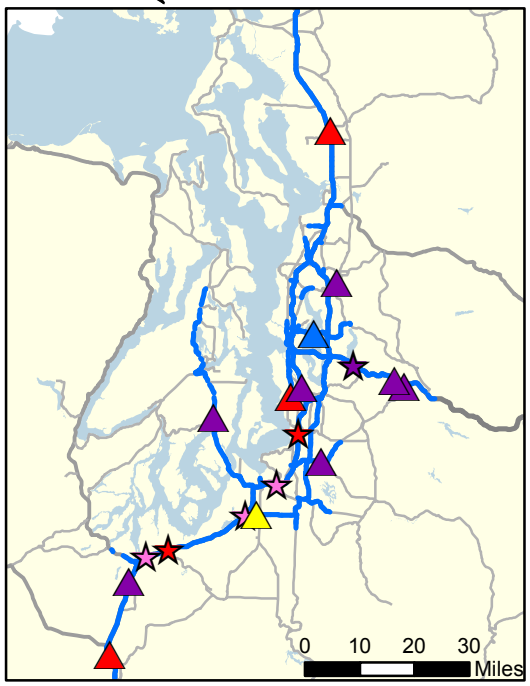




Percent Change

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

PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
AUGUST 2016

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	6,615	15.5%	Rec	Central	LOW
002	104.84		R047E	E/O US 97 - DRYDEN	21,061	16.0%		Central	LOW-to-MEDIUM
002	179.1		P02	E/O J SE - COULEE CITY	1,275	11.1%	Rec	Central	LOW
002	250.5		R064	W/O GUNNING RD - DAVENPORT	3,764	2.5%		Eastern	LOW
002	289.79		R021	N/O WALTON AVE - SPOKANE DIVISION ST	43,508	-7.7%		Eastern	MEDIUM
005	1.98		P5	S/O SR 500/39TH ST I/C -VANCOUVER	145,089	11.7%		Western	HIGH
005	44.3		P8	N/O WEIGH STATION - KELSO	66,303	8.8%		Western	MEDIUM
005	86.32		R019	S/O US 12 I/C - GRAND MOUND	75,579	8.4%		Puget Sound	MEDIUM
005	100.54		R097	S/O TUMWATER BLVD	86,145	10.0%		Puget Sound	MEDIUM
005	106.7		P4	AT BOULEVARD RD UXING - OLYMPIA	159,281	5.1%		Puget Sound	HIGH
005	111.01		R060	S/O SR 510 I/C -LACEY	131,107	8.0%		Puget Sound	HIGH
005	126.76		R092	S/O SR 512 I/C - TACOMA	161,084	2.1%		Puget Sound	HIGH
005	136.8		S837	S/O SR 99 I/C - FIFE	205,548	5.7%		Puget Sound	HIGH
005	148.07		S809	S/O SR 516 I/C - MIDWAY	218,509	7.9%		Puget Sound	HIGH
005	207.78		R001	S/O SR 530 I/C - MARYSVILLE	103,582	9.6%		Puget Sound	MEDIUM
005	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	55,733	14.6%		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

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AUGUST 2016

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005	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	36,279	17.1%		Western	LOW-to-MEDIUM
008	20.67		R003W	AT SR 101 OXING - OLYMPIA	22,566	8.0%		Puget Sound	LOW-to-MEDIUM
009	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	12,542	3.0%		Puget Sound	LOW-to-MEDIUM
009	32.98		R083	N/O 53RD AVE NE - BRYANT	2,786	16.7%		Puget Sound	LOW
012	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	3,394	9.5%	Rec	Western	LOW
012	185.25		S818S	S/O SR 410 - WHITE PASS	3,257	0.5%	Rec	Central	LOW
012	185.62		S818E	E/O SR 410 - NACHES	6,434	4.3%	Rec	Central	LOW
012	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,519	-2.2%		Central	LOW
014	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,734	8.8%		Central	LOW
016	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	56,492	22.2%		Puget Sound	MEDIUM
018	5.26		P20	E/O SR 164 I/C - AUBURN EAST	69,192	21.2%		Puget Sound	MEDIUM
018	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	42,804	34.7%		Puget Sound	LOW-to-MEDIUM
018	27.62		S838	S/O I-90 I/C - ECHO GLEN	30,984	31.2%		Puget Sound	MEDIUM
020	191.9		R037	W/O RADER ROAD - WINTHROP	3,238	11.5%	Rec	Central	LOW
020	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,754	-8.9%		Eastern	LOW
024	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	5,687	40.4%		Central	LOW

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

*Alternate Route

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026	43.06		R066	E/O SR 17 I/C - OTHELLO	3,532	14.8%	Rec	Central	LOW
027	77.3		P30	S/O GIBBS ROAD - SPANGLE	7,033	1.6%		Eastern	LOW
082	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	21,685	16.7%		Central	LOW-to-MEDIUM
082	48.5		P08	W/O SR 22 I/C - BUENA	29,919	16.0%		Central	LOW-to-MEDIUM
082	132.03		R086	E/O SR 14 - WALLULA	25,658	27.2%		Central	LOW-to-MEDIUM
090	14.65		S825	W/O SR 900 I/C - ISSAQUAH	138,587	11.7%		Puget Sound	HIGH
090	23.54		S826	E/O JONES ROAD I/C - PRESTON	73,893	28.4%		Puget Sound	MEDIUM
090	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	47,567	15.4%	Rec	Puget Sound	LOW-to-MEDIUM
090	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	42,176	11.9%	Rec	Western	LOW-to-MEDIUM
090	218.83		P10	W/O US 395 I/C - RITZVILLE	15,321	11.7%	Rec	Eastern	LOW-to-MEDIUM
090	285.23		R036	W/O SPRAGUE AVE I/C - SPOKANE	130,798	15.4%		Eastern	HIGH
097	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	14,461	12.7%		Central	LOW-to-MEDIUM
097	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	10,051	15.4%		Central	LOW
097	220.55		R084	N/O BRAYS ROAD - ORONDO	6,270	25.9%		Central	LOW
097	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	5,997	19.9%		Central	LOW
097	293.42		R068	N/O COPPLE ROAD - OMAK	6,635	10.3%		Central	LOW

+Volume Group
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101	28.95		R074	N/O SR 4 - NEMAH	4,335	10.9%	Rec	Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	27,415	4.6%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	16,224	11.9%		Western	LOW-to-MEDIUM
101	361.37		R003N	N/O SR 8 - OLYMPIA	35,417	5.7%		Puget Sound	LOW-to-MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	21,412	9.8%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	9,164	28.1%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	6,673	-6.2%		Western	LOW
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	66,015	49.1%		Eastern	MEDIUM
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	5,558	4.7%		Eastern	LOW
205	28.84		R051	N/O MILL PLAIN I/C - VANCOUVER	127,698	9.5%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,874	21.9%		Central	LOW
307	2.31		R096	S/O NE GUNDERSON RD.	10,921	-30.0%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	67,455	15.0%		Central	MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	18,982	26.7%		Eastern	LOW-to-MEDIUM
395	190.29		R063	S/O SR 292 - LOON LAKE	10,468	5.1%		Eastern	LOW-to-MEDIUM
395	235.6		R070	N/O GREENWOOD LOOP RD	9,353	6.1%		Eastern	LOW-to-MEDIUM

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395	260		P26	N/O COUNTY ROAD - ORIENT	797	-12.0%		Eastern	LOW
410	116.26		S818W	W/O SR 12 - CHINOOK PASS	3,358	6.9%	Rec	Central	LOW
512	1.53		D3	W/O SR 7 I/C PARKLAND	94,720	0.3%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	66,393	8.0%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING -TOLLPIAZA	74,315	-27.4%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	56,620	25.2%		Puget Sound	MEDIUM
599	1.15		S839	E/O SR 99 I/C - TUKWILA	47,477	14.9%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	6,890	18.9%	Rec	Central	LOW

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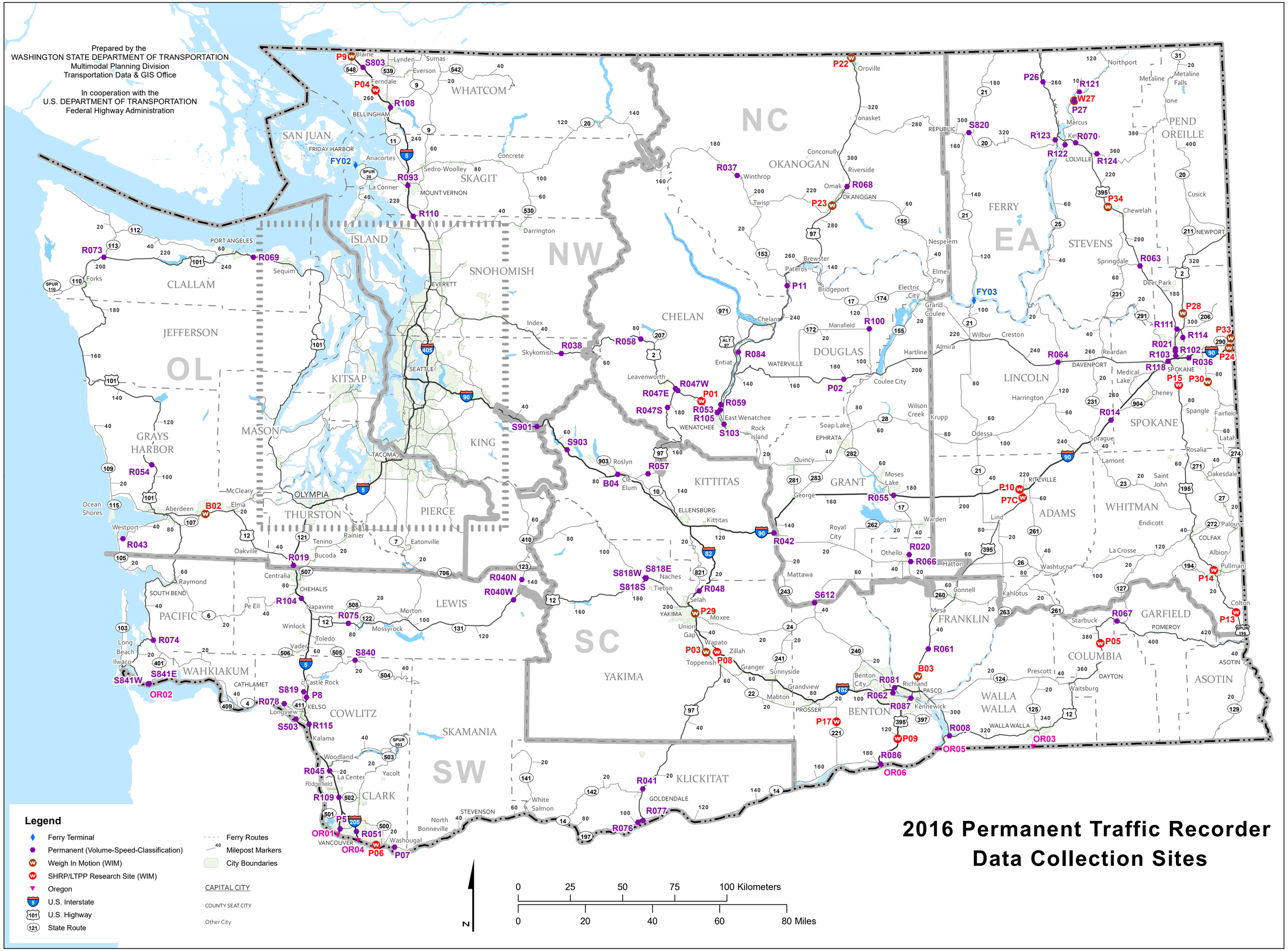

2016 Permanent Traffic Recorder Data Collection Sites

2016 Permanent Traffic Recorder Data Collection Sites

0 6.5 13 Kilometers

0 8 16 Miles

N

Legend

- Ferry Terminal
- Northwest Region Volume Recorder
- 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