Permanent Traffic Recorder (PTR) Monthly Traffic Volume Trend Report

MULTIMODAL PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

March 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 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

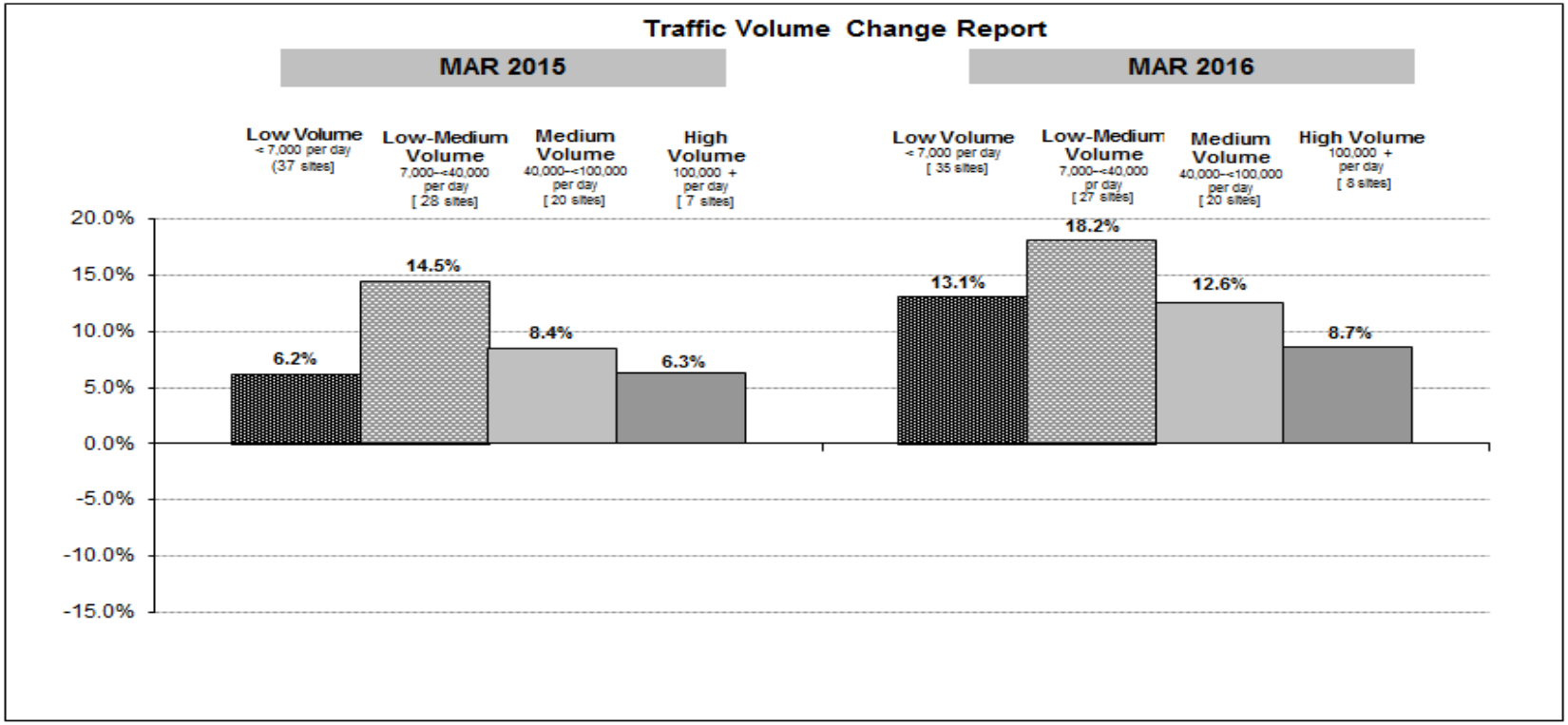
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 90 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 (+12.77**%)** when compared to the 5-year average from 2003 to 2007.

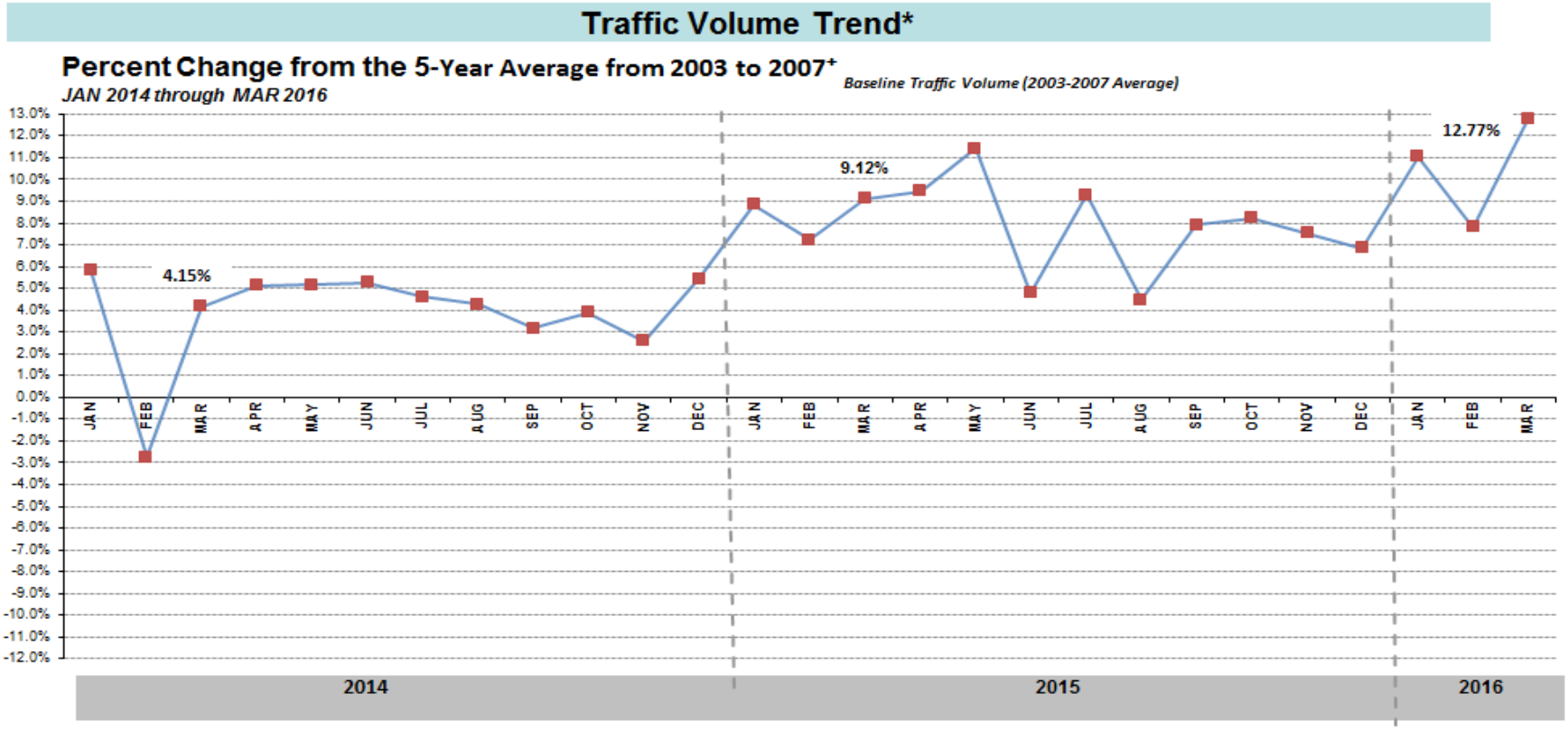
Traffic Volume Change Report for March 2016*

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



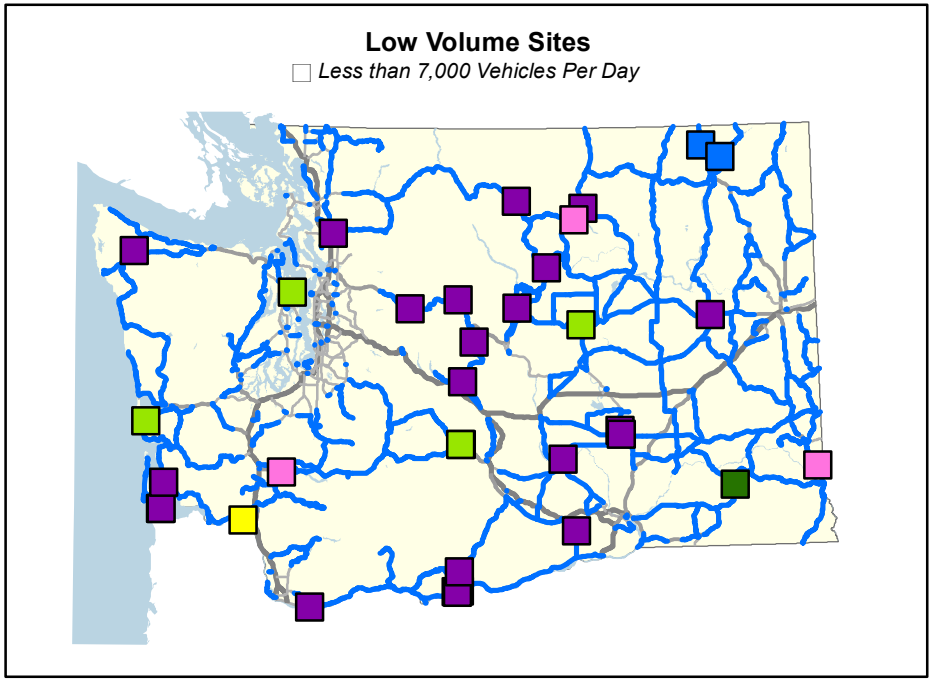
*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic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

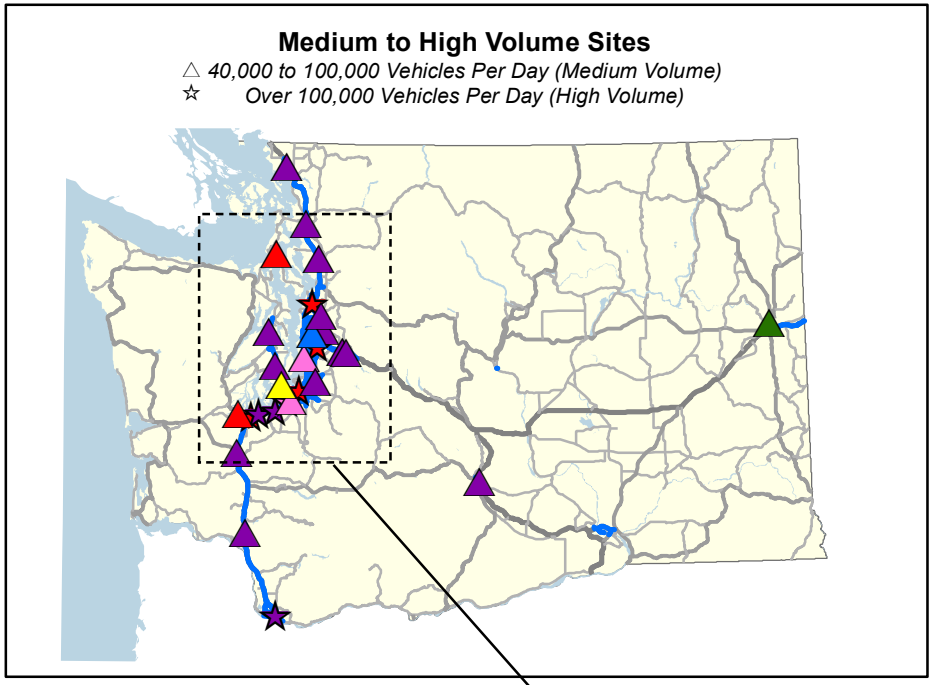
Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **March 2016** reflect an Increase of **(12.77%).**

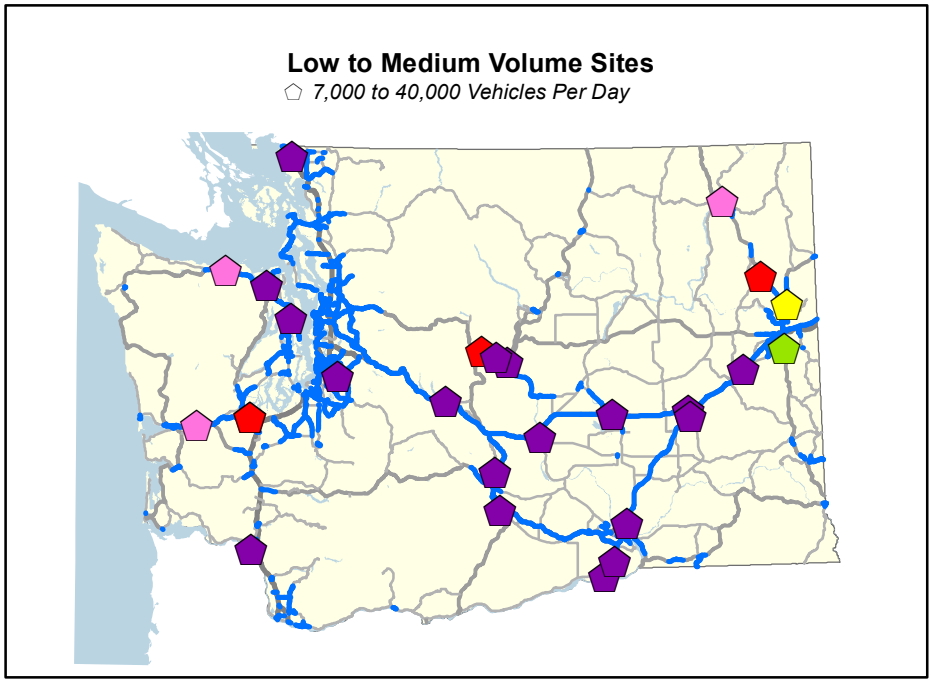


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. MAR16 Preliminary data.
+Normal Traffic Volume 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 - March 2016



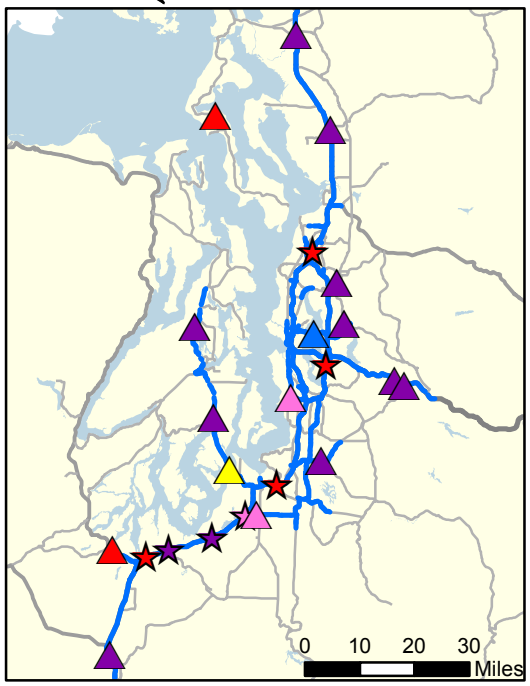




Percent Change

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



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PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
MAR 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	50.12		R038	E/O NE OLD CASCADE HWY - SKYKOMISH	4,550	19.1%	Rec	Western	LOW
002	80.2		R058	E/O NASON RIDGE ROAD - COLES CORNER	3,072	17.7%	Rec	Central	LOW
002	104.84		R047E	E/O US 97 - DRYDEN	13,852	8.8%		Central	LOW-to-MEDIUM
002	113.1		P01	W/O RED APPLE RD - CASHMERE	21,362	16.5%		Central	LOW-to-MEDIUM
002	119.77		R053	E/O US97AR I/C - WENATCHEE	23,622	25.2%		Central	LOW-to-MEDIUM
002	179.1		P02	E/O J SE - COULEE CITY	486	-2.8%	Rec	Central	LOW
002	250.5		R064	W/O GUNNING RD - DAVENPORT	2,757	10.4%		Eastern	LOW
002	289.79		R021	N/O WALTON AVE - SPOKANE DIVISION ST	42,071	-8.4%		Eastern	MEDIUM
002	301.4		P28	S/O NORWOOD ROAD - CHATTAROY	16,477	-0.4%		Eastern	LOW-to-MEDIUM
003	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	51,712	21.8%		Western	MEDIUM
004	55.05		R078	W/O SR 432 AND COAL CREEK RD - LONGVIEW SR	5,297	-0.4%		Western	LOW
005	44.3		P8	N/O WEIGH STATION - KELSO	52,925	10.8%		Western	MEDIUM
005	86.32		R019	S/O US 12 I/C - GRAND MOUND	64,124	11.2%		Puget Sound	MEDIUM
005	106.7		P4	AT BOULEVARD RD UXING - OLYMPIA	146,387	6.1%		Puget Sound	HIGH
005	111.01		R060	S/O SR 510 I/C-LACEY	121,028	13.6%		Puget Sound	HIGH
005	119.39		R091	N/O DUPONT I/C-DUPONT	126,661	14.1%		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	126.76		R092	S/O SR 512 I/C - TACOMA	150,224	4.0%		Puget Sound	HIGH
005	136.8		S837	S/O SR 99 I/C - FIFE	195,931	8.3%		Puget Sound	HIGH
005	184.48		P1	N/O 164TH STREET SW I/C - EVERETT	188,242	6.4%		Puget Sound	HIGH
005	207.78		R001	S/O SR 530 I/C - MARYSVILLE	90,405	14.0%		Puget Sound	MEDIUM
005	226.96		R093	N/O SR 536 I/C - MT. VERNON	71,504	10.5%		Western	MEDIUM
005	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	49,445	16.8%		Western	MEDIUM
005	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	29,823	18.6%		Western	LOW-to-MEDIUM
008	20.67		R003W	AT SR 101 OXING - OLYMPIA	17,474	8.0%		Puget Sound	LOW-to-MEDIUM
009	32.98		R083	N/O 53RD AVE NE - BRYANT	1,951	15.9%		Puget Sound	LOW
012	12.3		B02	W/O MONTE BRADY LOOP RD WYE CONN	20,259	3.9%		Western	LOW-to-MEDIUM
012	77.78		R075	E/O KENNEDY ROAD-SALKUM	6,362	5.2%		Western	LOW
012	185.62		S818E	E/O SR 410 - NACHES	2,908	-1.7%	Rec	Central	LOW
012	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	1,841	-7.0%		Central	LOW
014	17.7		P07	E/O 32ND ST - WASHOUGAL	6,565	11.2%		Western	LOW
014	100.64		R076	W/O SR 14 MARYHILL SPUR - MARYHILL	1,963	13.1%		Central	LOW
014	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,448	-15.4%		Central	LOW

*"Rec" is Recreational Route

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- 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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016	8.43		R044	W/O TACOMA NARROWS BR - TACOMA	82,257	-1.4%		Puget Sound	MEDIUM
016	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	50,816	22.6%		Puget Sound	MEDIUM
017	30.37		R020	S/O LEE ROAD - OTHELLO	6,824	27.4%		Central	LOW
018	5.26		P20	E/O SR 164 I/C - AUBURN EAST	61,937	22.4%		Puget Sound	MEDIUM
018	12.55		D12	AT 180TH AVE SE UKING - COVINGTON	36,320	40.9%		Puget Sound	LOW-to-MEDIUM
018	27.62		S838	S/O I-90 I/C - ECHO GLEN	24,520	41.4%		Puget Sound	MEDIUM
020	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	8,688	6.2%		Puget Sound	MEDIUM
020	191.9		R037	W/O RADER ROAD - WINTHROP	928	12.6%	Rec	Central	LOW
024	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,504	35.6%		Central	LOW
025	97		P27	N/O BOSSBURG ROAD - BOSSBURG	325	-12.8%		Eastern	LOW
026	43.06		R066	E/O SR 17 I/C - OTHELLO	2,762	20.0%	Rec	Central	LOW
082	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	17,345	20.6%		Central	LOW-to-MEDIUM
082	34.02		P29	W/O SR 24 I/C - YAKIMA	51,260	20.2%		Central	MEDIUM
082	121.2		P09	W/O COFFIN RD I/C - PLYMOUTH	19,201	30.0%		Eastern	LOW-to-MEDIUM
082	132.03		R086	E/O SR 14 - WALLULA	21,043	35.1%		Central	LOW-to-MEDIUM
090	23.54		S826	E/O JONES ROAD I/C - PRESTON	61,861	32.4%		Puget Sound	MEDIUM

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090	82.7		B04	W/O W FIRST STREET I/C - CLE ELUM	27,569	18.0%	Rec	Central	LOW-to-MEDIUM
090	136.59		R042	E/O HUNTZINGER ROAD I/C - VANTAGE	14,253	19.7%	Rec	Central	LOW-to-MEDIUM
090	180.33		R055	E/O SR 17 I/C - MOSES LAKE	10,856	18.7%	Rec	Central	LOW-to-MEDIUM
090	218.83		P10	W/O US 395 I/C - RITZVILLE	10,562	25.0%	Rec	Eastern	LOW-to-MEDIUM
090	254.23		R014	E/O FISHTRAP ROAD I/C - FISHTRAP	17,940	21.1%		Eastern	LOW-to-MEDIUM
097	13.41		R041	N/O STATE FRONTAGE RD - GOLDENDALE	4,793	13.7%		Central	LOW
097	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,614	19.9%		Central	LOW-to-MEDIUM
097	178.19		R047S	S/O OLD BLEWETT ROAD - BLEWETT PASS	4,502	15.2%	Rec	Central	LOW
097	201.53	*AR	R059	N/O CHME GARDEN RD/WAREHOUSE RD - WENATC	6,203	25.5%		Central	LOW
097	220.55		R084	N/O BRAYS ROAD - ORONDO	4,618	13.3%		Central	LOW
097	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	4,230	24.6%		Central	LOW
097	286.16		P23	S/O SR 20 - OKANOGAN	3,801	3.4%		Central	LOW
097	293.42		R068	N/O COPPLE ROAD - OMAK	5,248	13.1%		Central	LOW
101	0.6		S841W	NW/O SR 401 - CHINOOK	5,860	17.2%		Western	LOW
101	28.95		R074	N/O SR 4 - NEMAH	2,206	16.0%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	2,450	15.0%		Western	LOW

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101	254.35		R069	AT WEIGH STATION-PORT ANGELES	22,910	3.4%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES-DISCOVERY BA	11,392	13.5%		Western	LOW-to-MEDIUM
101	361.37		R003N	N/O SR 8 - OLYMPIA	31,677	7.7%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	49,074	7.5%		Puget Sound	MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN - KINGST	5,048	-5.8%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	4,872	-6.0%		Western	LOW
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,815	3.8%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,431	-3.0%		Eastern	LOW-to-MEDIUM
205	28.84		R051	N/O MILL PLAIN I/C - VANCOUVER	119,670	10.4%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,304	24.0%		Central	LOW
307	2.31		R096	S/O NE GUNDERSON RD.	18,209	18.2%		Puget Sound	LOW-to-MEDIUM
395	27.2		B03	S/O VINEYARD DR - PASCO	16,734	31.6%		Central	LOW-to-MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	7,871	20.7%		Eastern	LOW-to-MEDIUM
395	190.29		R063	S/O SR 292 - LOON LAKE	8,469	6.8%		Eastern	LOW-to-MEDIUM
395	235.6		R070	N/O GREENWOOD LOOP RD	7,612	3.3%		Eastern	LOW-to-MEDIUM
395	260		P26	N/O COUNTY ROAD - ORIENT	531	-13.3%		Eastern	LOW

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401	0.15		S841E	NE/O US 101-MEGLER	2,364	11.0%		Western	LOW
405	9.26		D1	AT 112TH AVE SE UXING - BELLEVUE	151,647	9.0%		Puget Sound	HIGH
410	116.26		S818W	W/O SR 12 - CHINOOK PASS	1,431	-5.1%	Rec	Central	LOW
433	0.7		S503	AT COLUMBIA RIVER BR - LONGVIEW	22,031	15.4%		Western	LOW-to-MEDIUM
512	1.53		D3	W/O SR 7 I/C PARKLAND	93,345	2.6%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	60,801	5.6%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING - TOLLPLAZA	71,340	-30.4%		Puget Sound	MEDIUM
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	81,728	19.5%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	52,149	25.1%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	3,553	21.9%	Rec	Central	LOW

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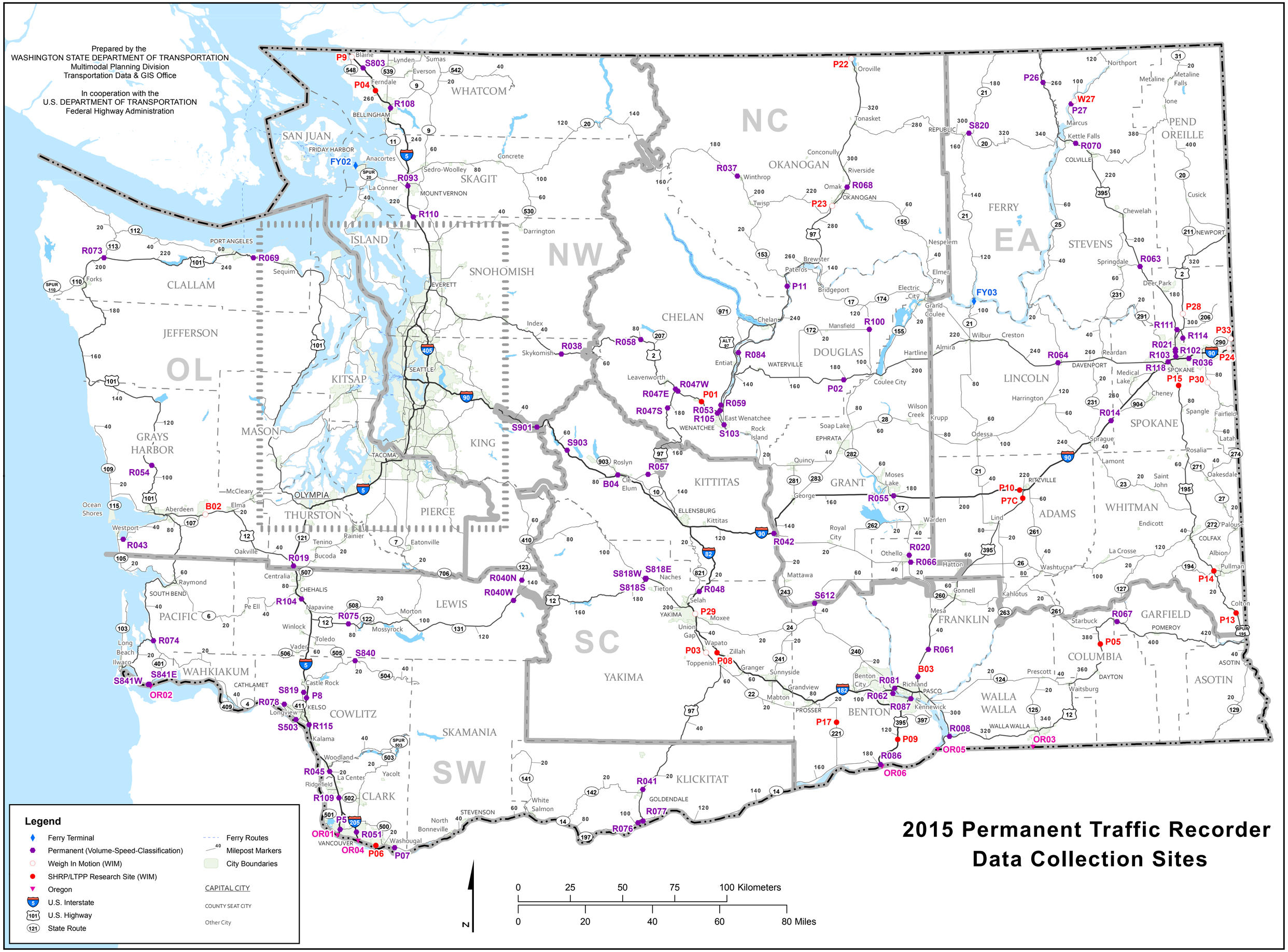

2015 Permanent Traffic Recorder Data Collection Sites

2015 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