Permanent Traffic Recorder (PTR) Monthly Traffic Volume Trend Report

MULTIMODAL PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

JUNE 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

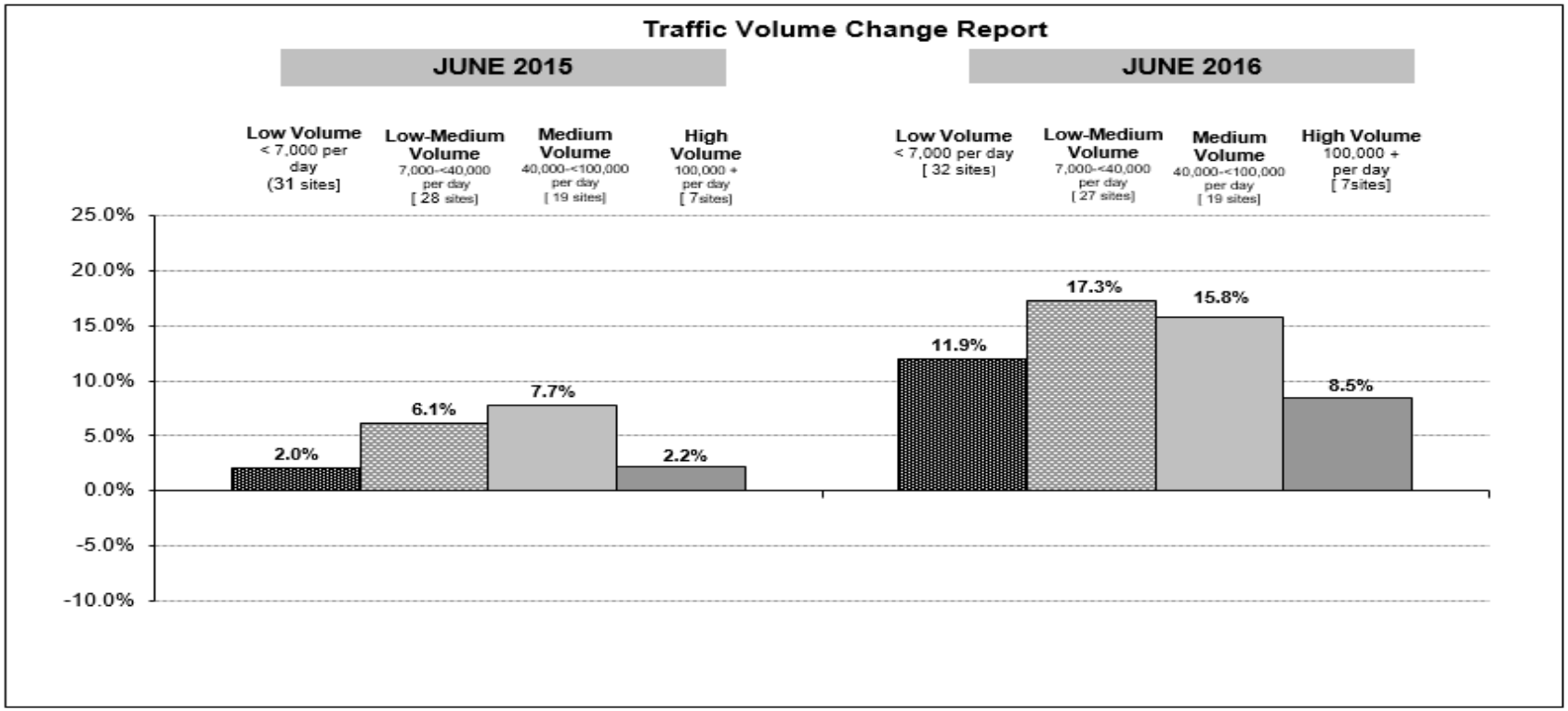
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 85 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 (+13.59**%)** when compared to the 5-year average from 2003 to 2007.

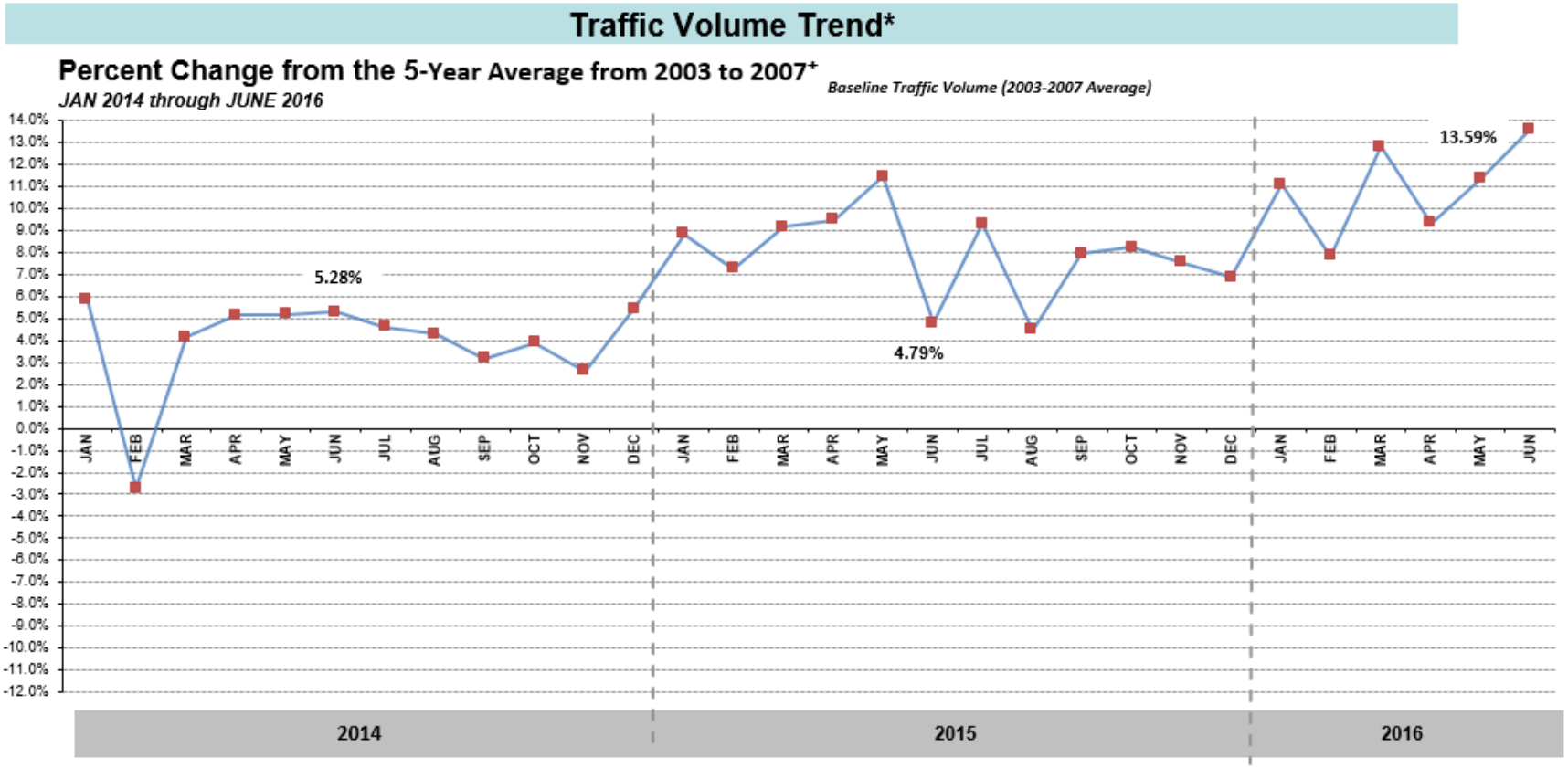
Traffic Volume Change Report for JUNE 2016*

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



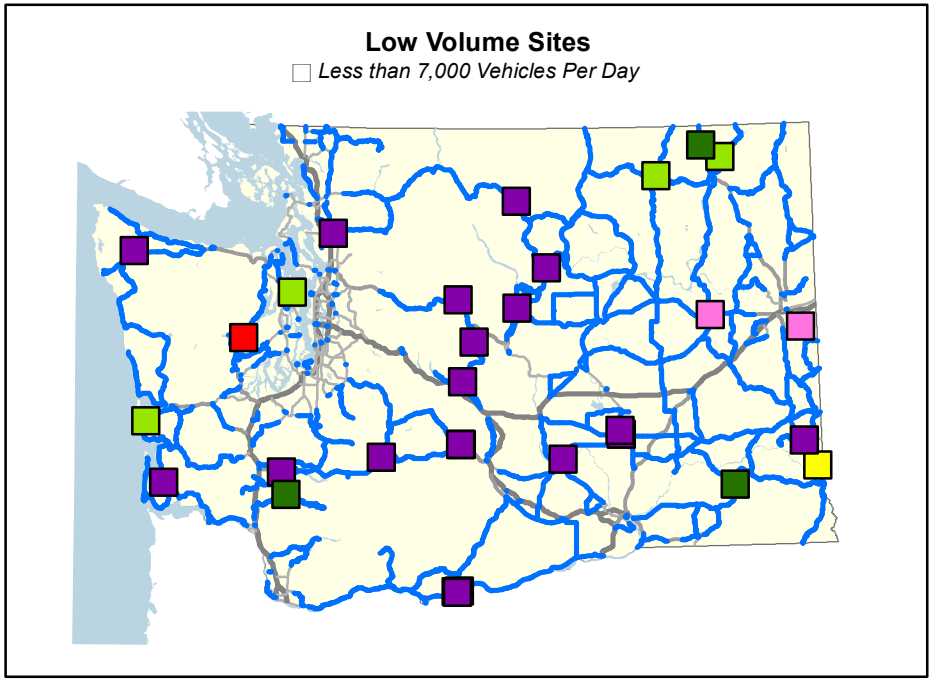
*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic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

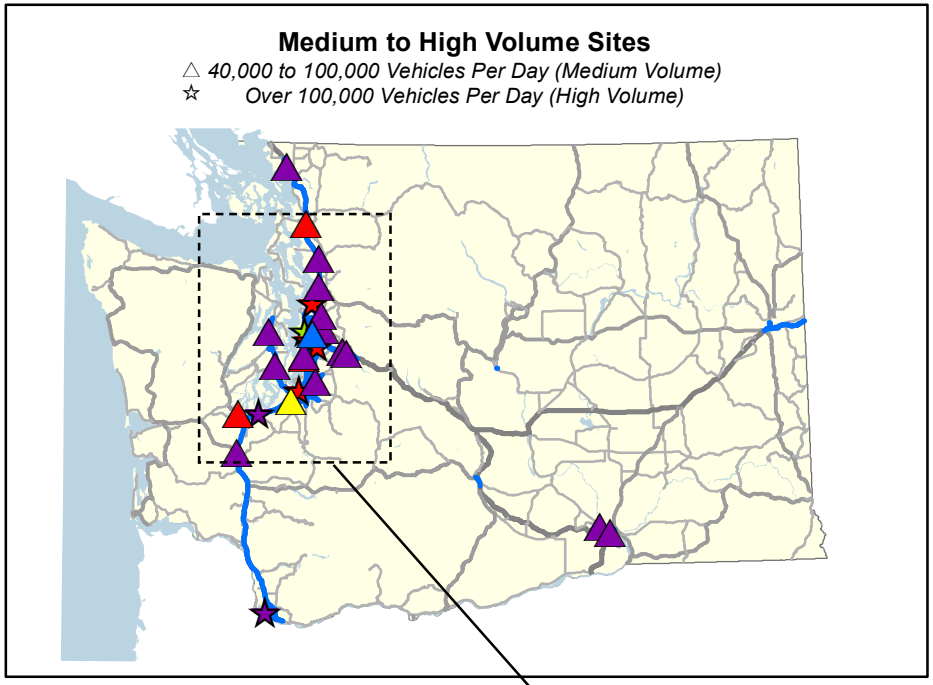
Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **June 2016** reflect an Increase of **(+13.59%).**

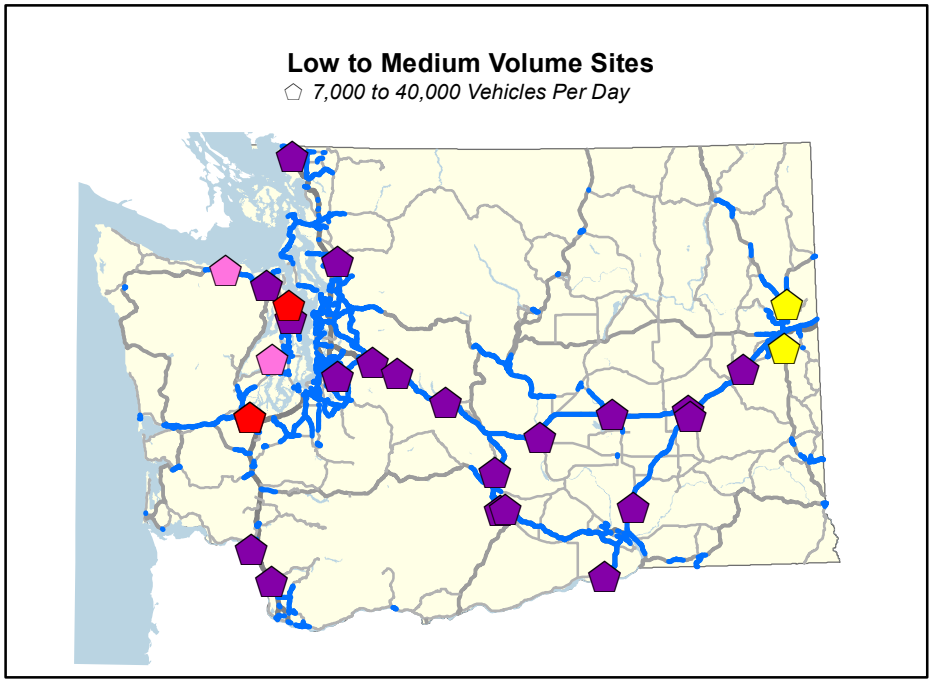


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2008-2012) based on highway volume. JUNE16 Preliminary data.
+Normal Traffic Volume 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 - June 2016



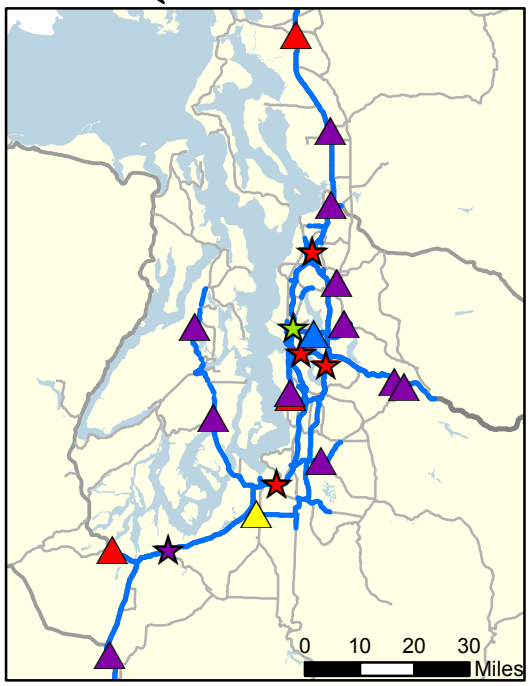




Percent Change

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
JUNE 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	0.26		R052	E/O SR 5 I/C - EVERETT	84,197	18.6%		Puget Sound	MEDIUM
002	80.2		R058	E/O NASON RIDGE ROAD - COLES CORNER	5,763	24.9%	Rec	Central	LOW
002	250.5		R064	W/O GUNNING RD - DAVENPORT	3,472	4.5%		Eastern	LOW
002	301.4		P28	S/O NORWOOD ROAD - CHATTAROY	19,659	1.3%		Eastern	LOW-to-MEDIUM
003	28.68		R089	S/O LAKE FLORA RD.- GRAPEVIEW	19,178	5.7%		Puget Sound	LOW-to-MEDIUM
003	44.33		R050	N/O NEWBERRY HILL I/C - SILVERDALE	55,069	22.7%		Western	MEDIUM
005	1.98		P5	S/O SR 500/39TH ST I/C -VANCOUVER	144,444	12.5%		Western	HIGH
005	20.14		R045	S/O SR 503 I/C - WOODLAND	82,855	17.9%		Western	LOW-to-MEDIUM
005	86.32		R019	S/O US 12 I/C - GRAND MOUND	71,592	11.4%		Puget Sound	MEDIUM
005	111.01		R060	S/O SR 510 I/C -LACEY	128,726	11.1%		Puget Sound	HIGH
005	136.8		S837	S/O SR 99 I/C - FIFE	205,607	6.5%		Puget Sound	HIGH
005	168.84		R046	N/O ROANOKE ST UXING - SEATTLE	212,091	-4.8%		Puget Sound	HIGH
005	184.48		P1	N/O 164TH STREET SW I/C - EVERETT	199,132	6.2%		Puget Sound	HIGH
005	207.78		R001	S/O SR 530 I/C - MARYSVILLE	96,995	11.4%		Puget Sound	MEDIUM
005	226.96		R093	N/O SR 536 I/C - MT. VERNON	76,744	8.4%		Western	MEDIUM
005	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	52,547	15.8%		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

Washington State Department of Transportation

PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JUNE 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+
005	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	32,851	19.5%		Western	LOW-to-MEDIUM
008	20.67		R003W	AT SR 101 OXING - OLYMPIA	20,175	11.5%		Puget Sound	LOW-to-MEDIUM
009	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	13,037	10.9%		Puget Sound	LOW-to-MEDIUM
009	32.98		R083	N/O 53RD AVE NE - BRYANT	2,511	18.5%		Puget Sound	LOW
012	77.78		R075	E/O KENNEDY ROAD-SALKUM	8,119	10.6%		Western	LOW
012	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	2,378	14.1%	Rec	Western	LOW
012	185.25		S818S	S/O SR 410 - WHITE PASS	3,033	10.5%	Rec	Central	LOW
012	185.62		S818E	E/O SR 410 - NACHES	5,758	5.9%	Rec	Central	LOW
012	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,328	-6.2%		Central	LOW
014	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,666	18.9%		Central	LOW
014	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,870	-11.6%		Central	LOW
016	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	55,736	24.0%		Puget Sound	MEDIUM
017	30.37		R020	S/O LEE ROAD - OTHELLO	7,406	32.2%		Central	LOW
018	5.26		P20	E/O SR 164 I/C - AUBURN EAST	68,846	21.6%		Puget Sound	MEDIUM
018	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	41,980	39.2%		Puget Sound	LOW-to-MEDIUM
018	27.62		S838	S/O I-90 I/C - ECHO GLEN	30,001	39.6%		Puget Sound	MEDIUM

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

*Alternate Route

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JUNE 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+
020	191.9		R037	W/O RADER ROAD - WINTHROP	2,612	13.5%	Rec	Central	LOW
020	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,623	-5.8%		Eastern	LOW
024	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	5,375	38.4%		Central	LOW
025	97		P27	N/O BOSSBURG ROAD - BOSSBURG	400	-3.6%		Eastern	LOW
026	43.06		R066	E/O SR 17 I/C - OTHELLO	3,077	24.1%	Rec	Central	LOW
027	77.3		P30	S/O GIBBS ROAD - SPANGLE	7,022	4.3%		Eastern	LOW
082	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	21,092	18.1%		Central	LOW-to-MEDIUM
082	48.5		P08	W/O SR 22 I/C - BUENA	30,506	16.9%		Central	LOW-to-MEDIUM
082	132.03		R086	E/O SR 14 - WALLULA	24,426	33.4%		Central	LOW-to-MEDIUM
090	4.22		R017	E. END OF MT BAKER TUNNEL- SEATTLE	137,374	9.2%		Puget Sound	HIGH
090	23.54		S826	E/O JONES ROAD I/C - PRESTON	71,825	33.7%		Puget Sound	MEDIUM
090	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	44,450	22.9%	Rec	Puget Sound	LOW-to-MEDIUM
090	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	38,949	18.5%	Rec	Western	LOW-to-MEDIUM
090	82.7		B04	W/O W FIRST STREET I/C - CLE ELUM	38,179	17.3%	Rec	Central	LOW-to-MEDIUM
090	136.59		R042	E/O HUNTZINGER ROAD I/C - VANTAGE	19,543	19.6%	Rec	Central	LOW-to-MEDIUM
090	180.33		R055	E/O SR 17 I/C - MOSES LAKE	14,603	12.0%	Rec	Central	LOW-to-MEDIUM

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090	218.83		P10	W/O US 395 I/C - RITZVILLE	13,950	16.7%	Rec	Eastern	LOW-to-MEDIUM
090	254.23		R014	E/O FISHTRAP ROAD I/C -FISHTRAP	23,670	22.6%		Eastern	LOW-to-MEDIUM
097	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	14,445	18.3%		Central	LOW-to-MEDIUM
097	178.19		R047S	S/O OLD BLEWETT ROAD -BLEWETT PASS	7,628	18.3%	Rec	Central	LOW
097	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	9,213	19.3%		Central	LOW
097	220.55		R084	N/O BRAYS ROAD - ORONDO	5,924	28.9%		Central	LOW
097	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	5,622	25.8%		Central	LOW
101	28.95		R074	N/O SR 4 - NEMAH	3,065	13.2%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	3,390	29.3%		Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	25,756	4.6%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	14,393	17.1%		Western	LOW-to-MEDIUM
101	324.8		P18	S/O EAGLE CREEK BRIDGE - LILLIWAUP	3,196	6.9%	Rec	Puget Sound	LOW
101	361.37		R003N	N/O SR 8 - OLYMPIA	34,683	8.1%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	54,769	9.0%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	19,746	9.8%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	6,294	-4.5%		Puget Sound	LOW

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JUNE 2016

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105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	5,859	-3.4%		Western	LOW
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	69,333	51.1%		Eastern	MEDIUM
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	5,064	0.7%		Eastern	LOW
195	22.2		P14	S/O SR 270 - PULLMAN	4,046	23.0%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	9,154	0.7%		Eastern	LOW-to-MEDIUM
307	2.31		R096	S/O NE GUNDERSON RD.	19,039	18.5%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	66,558	12.4%		Central	MEDIUM
395	36.24		R061	N/O E ELM RD - ELTOPIA	17,954	35.0%		Eastern	LOW-to-MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	10,017	23.9%		Eastern	LOW-to-MEDIUM
395	260		P26	N/O COUNTY ROAD - ORIENT	681	-6.9%		Eastern	LOW
405	9.26		D1	AT 112TH AVE SE UXING - BELLEVUE	159,154	8.5%		Puget Sound	HIGH
410	116.26		S818W	W/O SR 12 - CHINOOK PASS	3,029	5.8%	Rec	Central	LOW
433	0.7		S503	AT COLUMBIA RIVER BR - LONGVIEW	24,320	14.3%		Western	LOW-to-MEDIUM
504	19.43		S840	E/O PRIVATE ROAD 1900 - KID VALLEY	1,276	-6.8%	Rec	Western	LOW
509	26.37		D14	N/O SR 518 I/C - BURIEN	70,086	14.5%		Puget Sound	MEDIUM
512	1.53		D3	W/O SR 7 I/C PARKLAND	94,869	1.0%		Puget Sound	MEDIUM

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JUNE 2016

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518	0.35		D13	E/O SR 509 I/C - SEATAC	65,942	6.3%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING - TOLLPlAZA	76,795	-27.4%		Puget Sound	MEDIUM
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	84,805	19.8%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	55,527	26.6%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	6,186	21.8%	Rec	Central	LOW

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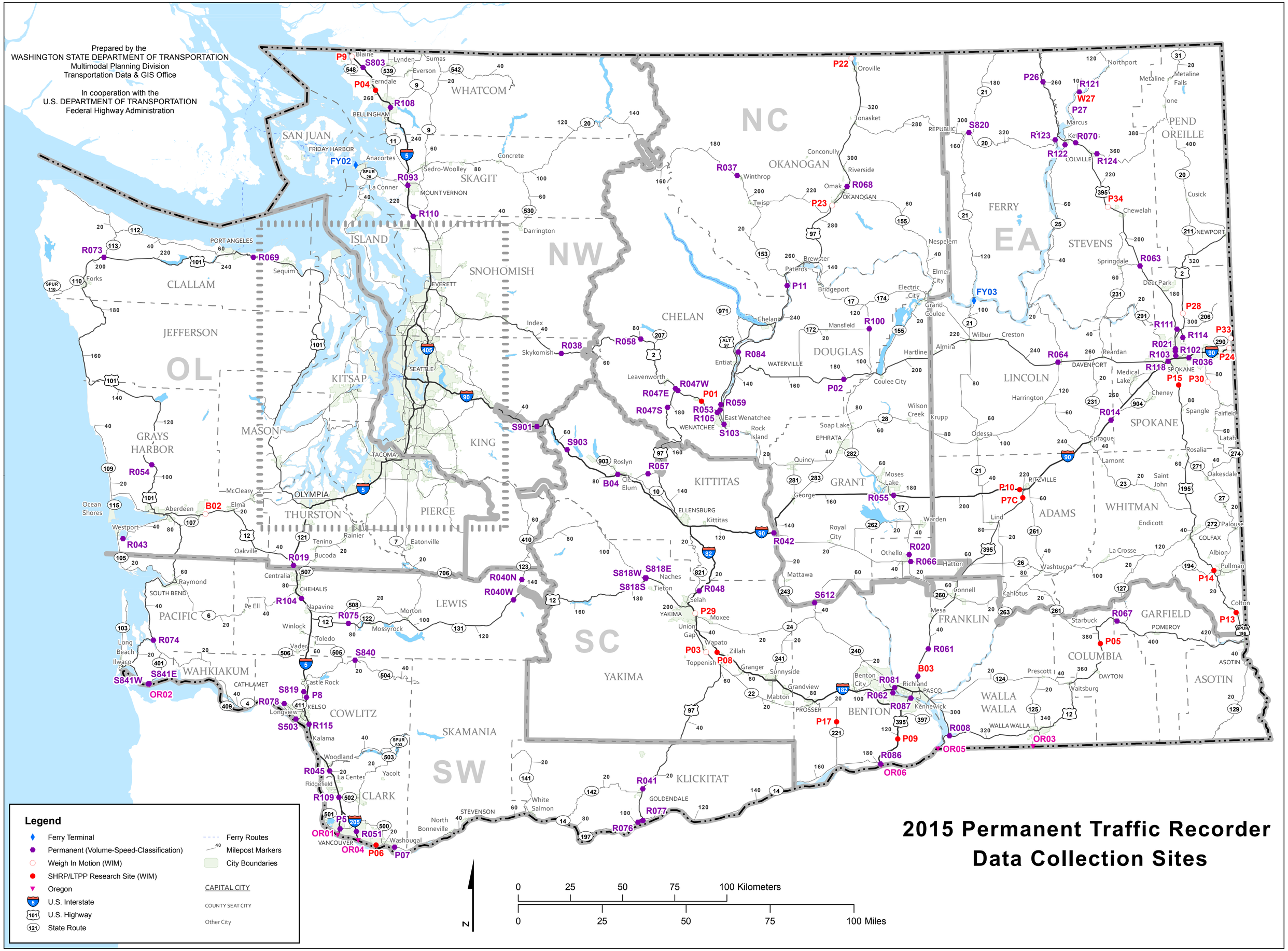

2015 Permanent Traffic Recorder Data Collection Sites

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