

Permanent Traffic Recorder Data Collection Report

STRATEGIC PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

JULY 2014



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.

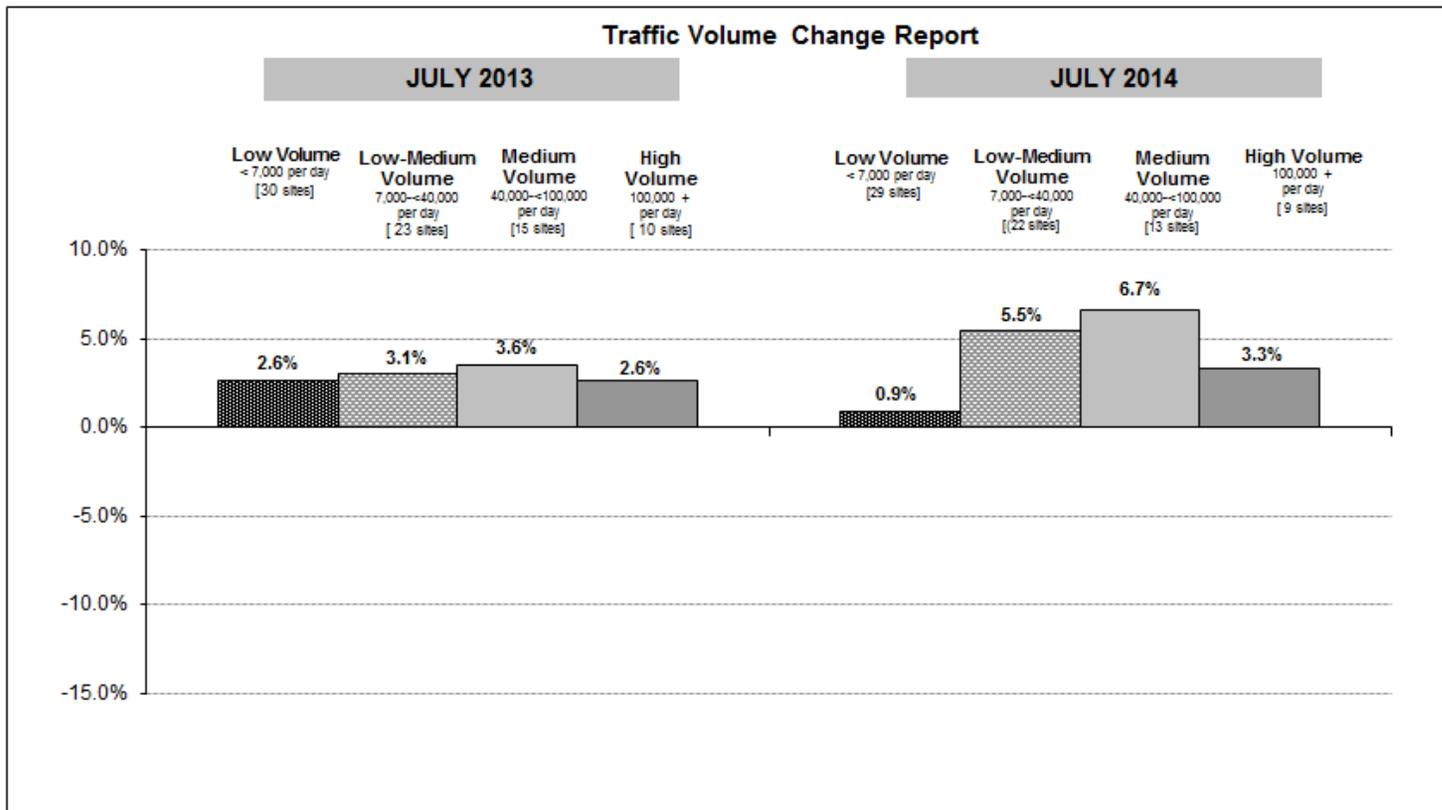
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 73 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 (+4.61%) when compared to the 5-year average from 2003 to 2007.

Traffic Volume Change Report for JULY 2014*

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

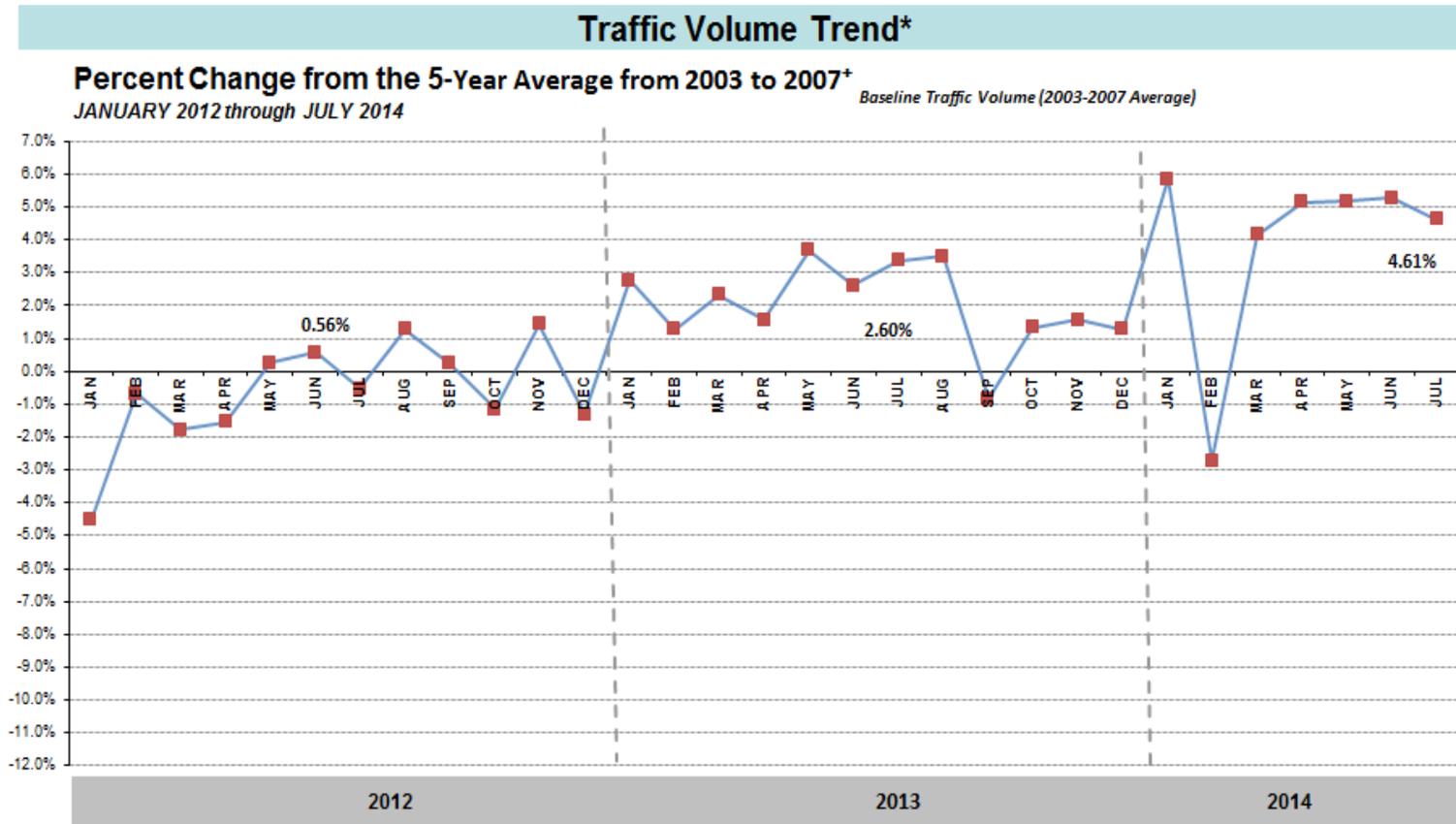


*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).

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 **July 2014** reflect an increase of **(+4.61%)**.

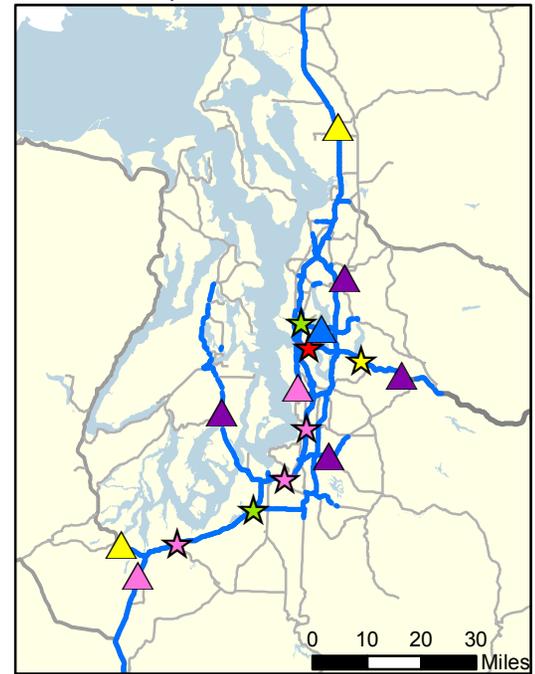
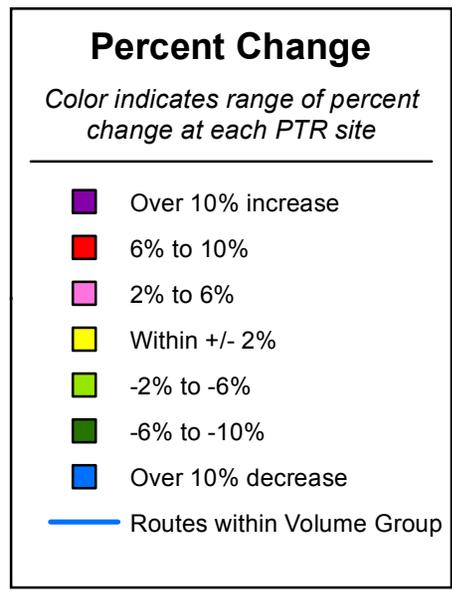
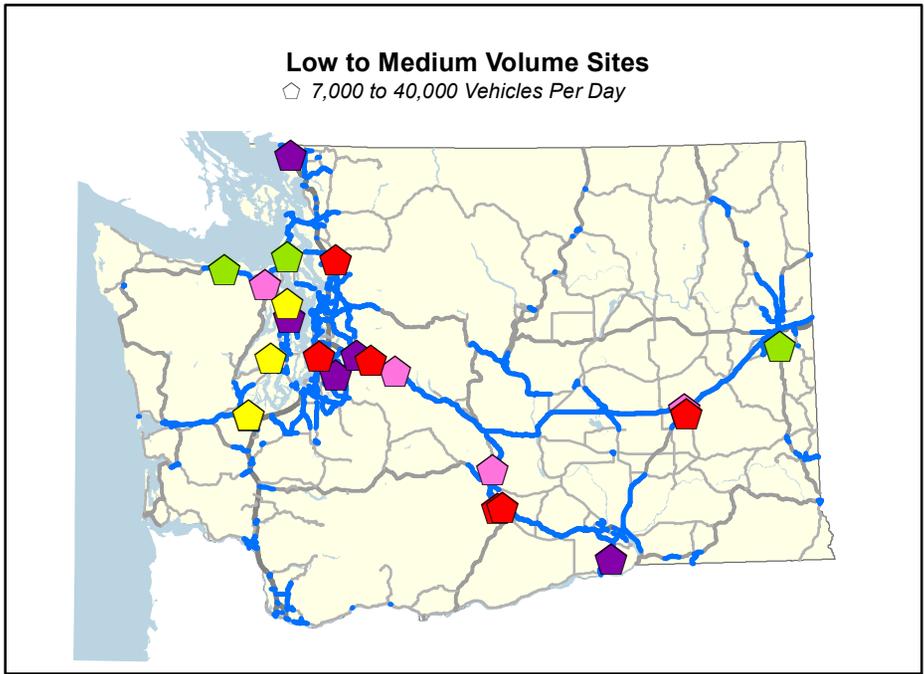
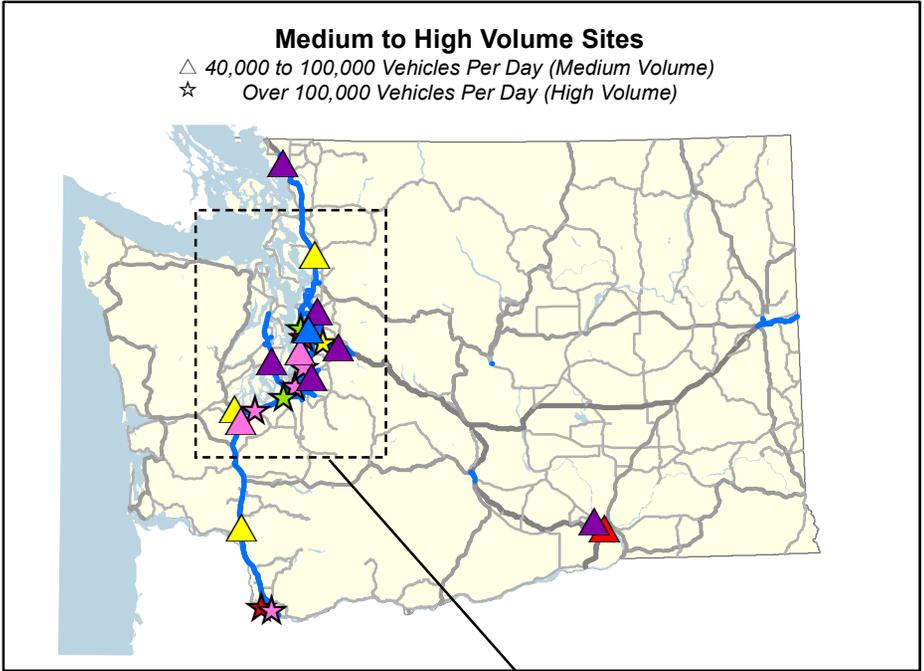
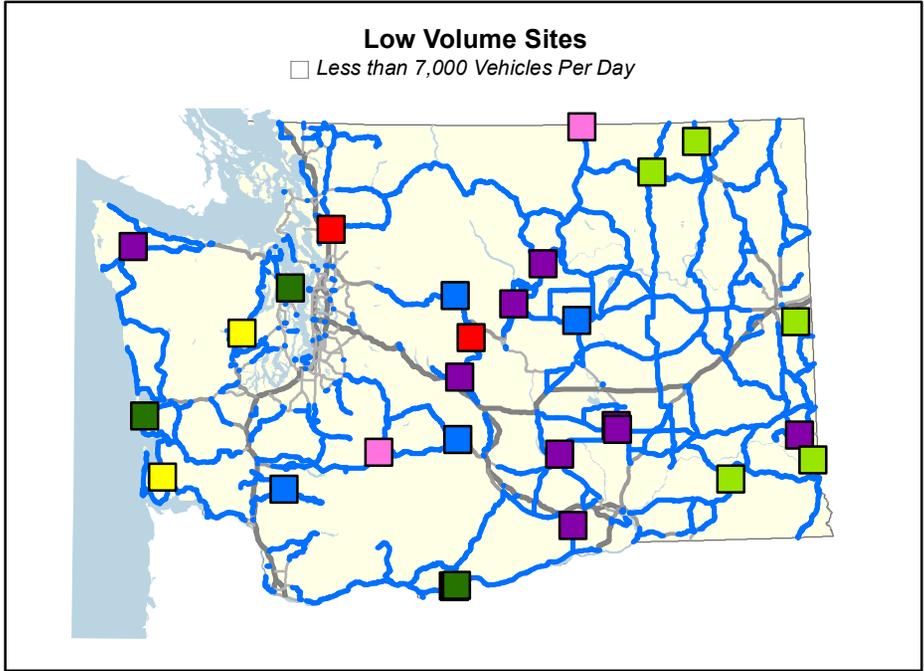


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. JULY 14 Preliminary data.
 +Normal Traffic Volume 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 - Weather - snowstorms, floods.

Volume Change at Permanent Traffic Recorder Sites - July 2014



**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JULY 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	80.2		R058	E/O NASON RIDGE ROAD	4,692	-16.8%	Rec	Central	LOW
2	179.1		P02	E/O J SE - COULEE CITY	977	-15.6%	Rec	Central	LOW
3	28.68		R089	S/O LAKE FLORA RD.- GRAPEVIEW	18,972	-1.4%		Puget Sound	LOW-to-MEDIUM
5	1.98		P5	S/O SR 500/39TH ST I/C - VANCOUVER	137,439	6.6%		Western	HIGH
5	44.3		P8	N/O KELSO WEIGH STATION	60,769	1.1%		Western	MEDIUM
5	100.54		R097	S/O TUMWATER BLVD	79,203	3.4%		Puget Sound	MEDIUM
5	111.01		R060	S/O SR 510 I/C - LACEY	125,462	5.2%		Puget Sound	HIGH
5	126.76		R092	S/O SR 512 I/C - TACOMA	153,250	-3.2%		Puget Sound	HIGH
5	136.8		S837	S/O SR 99 I/C - FIFE	199,327	3.3%		Puget Sound	HIGH
5	148.07		S809	S/O SR 516 I/C - MIDWAY	207,268	2.1%		Puget Sound	HIGH
5	168.84		R046	S/O NE 45TH STREET I/C - SEATTLE	206,090	-5.1%		Puget Sound	HIGH
5	207.78		R001	S/O SR 530 I/C - MARYSVILLE	92,563	1.8%		Puget Sound	MEDIUM
5	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	55,057	15.6%		Western	MEDIUM
5	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C - CUSTER	36,753	22.5%		Western	LOW-to-MEDIUM
8	20.67		R003W	AT US 101 OXING - OLYMPIA	20,604	0.7%		Puget Sound	LOW-to-MEDIUM
9	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	12,648	7.1%		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
JULY 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+
9	32.98		R083	N/O 53RD AVE NE - BRYANT	2,630	7.3%		Puget Sound	LOW
12	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	2,962	4.0%	Rec	Western	LOW
12	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,500	-2.7%		Central	LOW
14	100.64		R076	W/O SR 14 MAR YHILL SPUR -MARYHILL	2,564	5.7%		Central	LOW
14	102.27		R077	W/O MAR YHILL RD - STONEHENGE	1,972	-9.0%		Central	LOW
16	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	51,005	11.2%		Puget Sound	MEDIUM
17	30.37		R020	S/O LEE ROAD - OTHELLO	6,928	20.2%		Central	LOW
18	5.26		P20	E/O SR 164 I/C - AUBURN EAST	63,555	10.0%		Puget Sound	MEDIUM
18	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	38,613	23.8%		Puget Sound	LOW-to-MEDIUM
18	27.62		S838	S/O I-90 I/C - ECHO GLEN	28,584	24.8%		Puget Sound	LOW-to-MEDIUM
20	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	9,177	-4.5%		Puget Sound	LOW-to-MEDIUM
20	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,763	-3.1%		Eastern	LOW
24	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,682	18.4%		Central	LOW
26	43.06		R066	E/O SR 17 I/C - OTHELLO	3,069	16.3%	Rec	Central	LOW
27	77.3		P30	S/O GIBBS ROAD - SPOKANE VALLEY	6,652	-4.1%		Eastern	LOW
82	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	18,905	4.3%		Central	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

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**PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JULY 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+
82	48.5		P08	W/O SR 22 I/C - BUENA	27,057	6.7%		Central	LOW-to-MEDIUM
82	121.2		P09	W/O COFFIN RD I/C - PLYMOUTH	21,438	15.5%		Eastern	LOW-to-MEDIUM
90	4.22		R017	AT E. END OF MT BAKER TUNNEL- SEATTLE	130,239	6.3%		Puget Sound	HIGH
90	14.65		S825	W/O SR 900 I/C - ISSAQUAH	122,898	0.1%		Puget Sound	HIGH
90	23.54		S826	E/O JONES ROAD I/C - PRESTON	68,026	20.0%		Puget Sound	MEDIUM
90	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	43,866	8.8%	Rec	Puget Sound	LOW-to-MEDIUM
90	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	38,313	4.1%	Rec	Western	LOW-to-MEDIUM
90	218.83		P10	W/O US 395 I/C - RITZVILLE	14,015	4.4%	Rec	Eastern	LOW-to-MEDIUM
97	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,406	7.7%		Central	LOW-to-MEDIUM
97	178.19		R047S	S/O OLD BLEWETT ROAD -BLEWETT PASS	7,957	9.5%	Rec	Central	LOW
97	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	8,952	-0.3%		Central	LOW
97	220.55		R084	N/O BRAYS ROAD - ORONDO	6,539	29.9%		Central	LOW
97	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	5,709	12.4%		Central	LOW
97	335.3		P22	S/O OLD HIGHWAY ROAD - OROVILLE	2,806	5.7%		Central	LOW
101	28.95		R074	N/O SR 4 - NEMAH	3,611	0.9%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	3,623	10.6%		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)

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101	254.35		R069	AT WEIGH STATION-PORT ANGELES	24,681	-4.9%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	14,773	2.2%		Western	LOW-to-MEDIUM
101	324.8		P18	S/O EAGLE CREEK BRIDGE - LILLIWAUP	3,725	-1.5%	Rec	Puget Sound	LOW
101	361.37		R003N	N/O SR 8 - OLYMPIA	34,123	3.5%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	53,878	0.9%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	19,879	-1.1%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	6,655	-8.3%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	6,399	-9.9%		Western	LOW
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	61,107	38.3%		Eastern	MEDIUM
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,780	-3.5%		Eastern	LOW
195	22.2		P14	S/O SR 270 - PULLMAN	3,647	10.4%		Eastern	LOW
195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,226	-5.8%		Eastern	LOW-to-MEDIUM
205	28.84		R051	N/O MILL PLAIN I/C - VANCOUVER	119,520	4.5%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,746	23.6%		Central	LOW
307	2.31		R096	S/O NE GUNDERSON RD.	17,949	13.1%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	62,392	6.7%		Central	MEDIUM

+Volume Group

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395	93.01	P7C		S/O I-90 I/C - RITZVILLE	9,768	9.8%		Eastern	LOW-to-MEDIUM
395	260	P26		S/O LOUISE AVENUE- ORIENT	948	-3.2%		Eastern	LOW
410	116.26	S818W		W/O US 12 - CHINOOK PASS	3,068	-10.3%	Rec	Central	LOW
504	19.43	S840		E/O PRIVATE ROAD 1900 - KID VALLEY	1,480	-22.6%	Rec	Western	LOW
509	26.37	D14		N/O SR 518 I/C - BURIEN	60,803	3.0%		Puget Sound	MEDIUM
520	4	D10		W/O 76TH AVE NE UXING -TOLLPIAZA	65,284	-34.8%		Puget Sound	MEDIUM
522	13.3	P19		W/O SR 9 I/C - WOODINVILLE	50,195	15.4%		Puget Sound	MEDIUM
599	1.15	S839		E/O SR 99 I/C - TUKWILA	42,976	8.8%		Puget Sound	LOW-to-MEDIUM
970	6.85	R057		W/O TEANAWAY RD - TEANAWAY	6,528	13.3%	Rec	Central	LOW

+Volume Group

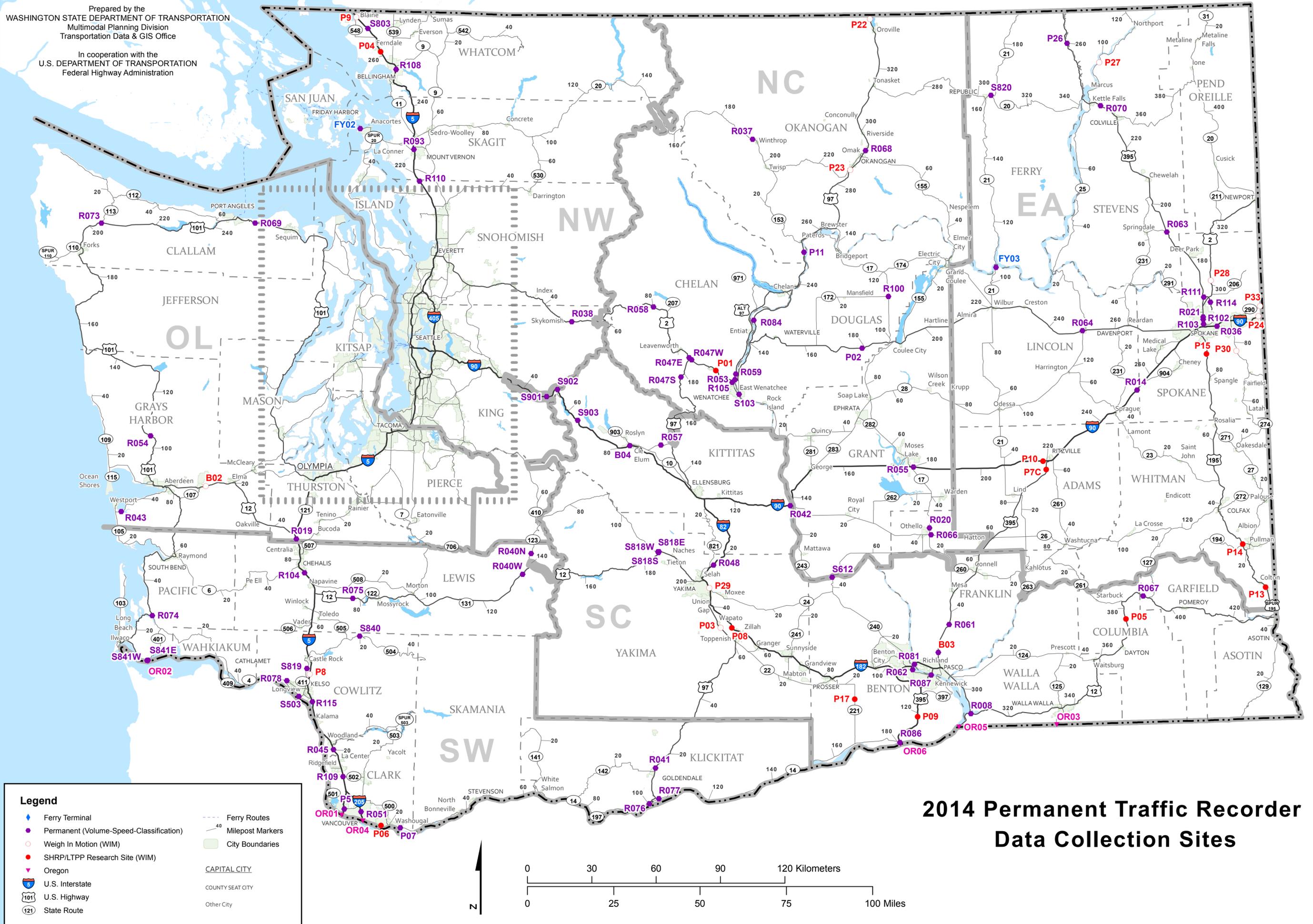
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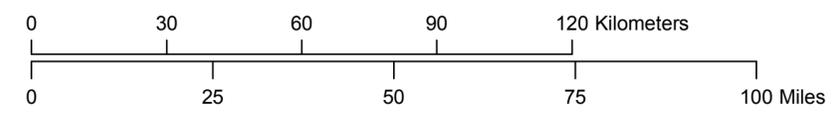
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 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
 Multimodal Planning Division
 Transportation Data & GIS Office

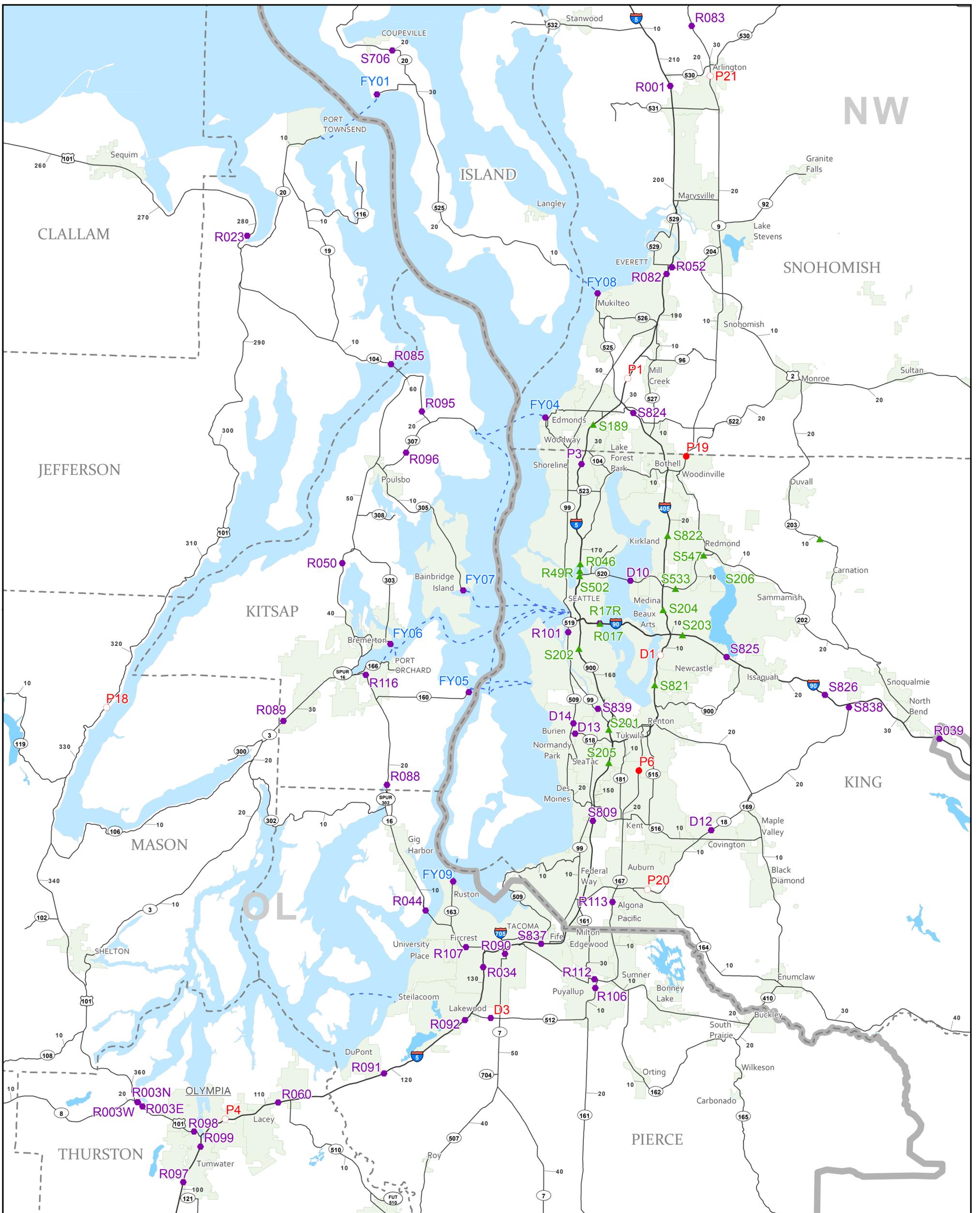
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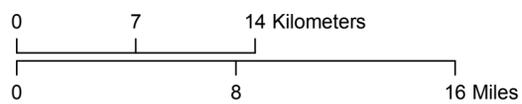
2014 Permanent Traffic Recorder Data Collection Sites

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