Permanent Traffic Recorder Data Collection Report

MULTI-MODAL PLANNING DIVISION
TRANSPORTATION DATA AND GIS OFFICE (TDGO)

JULY 2015

Washington State Department of Transportation

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.

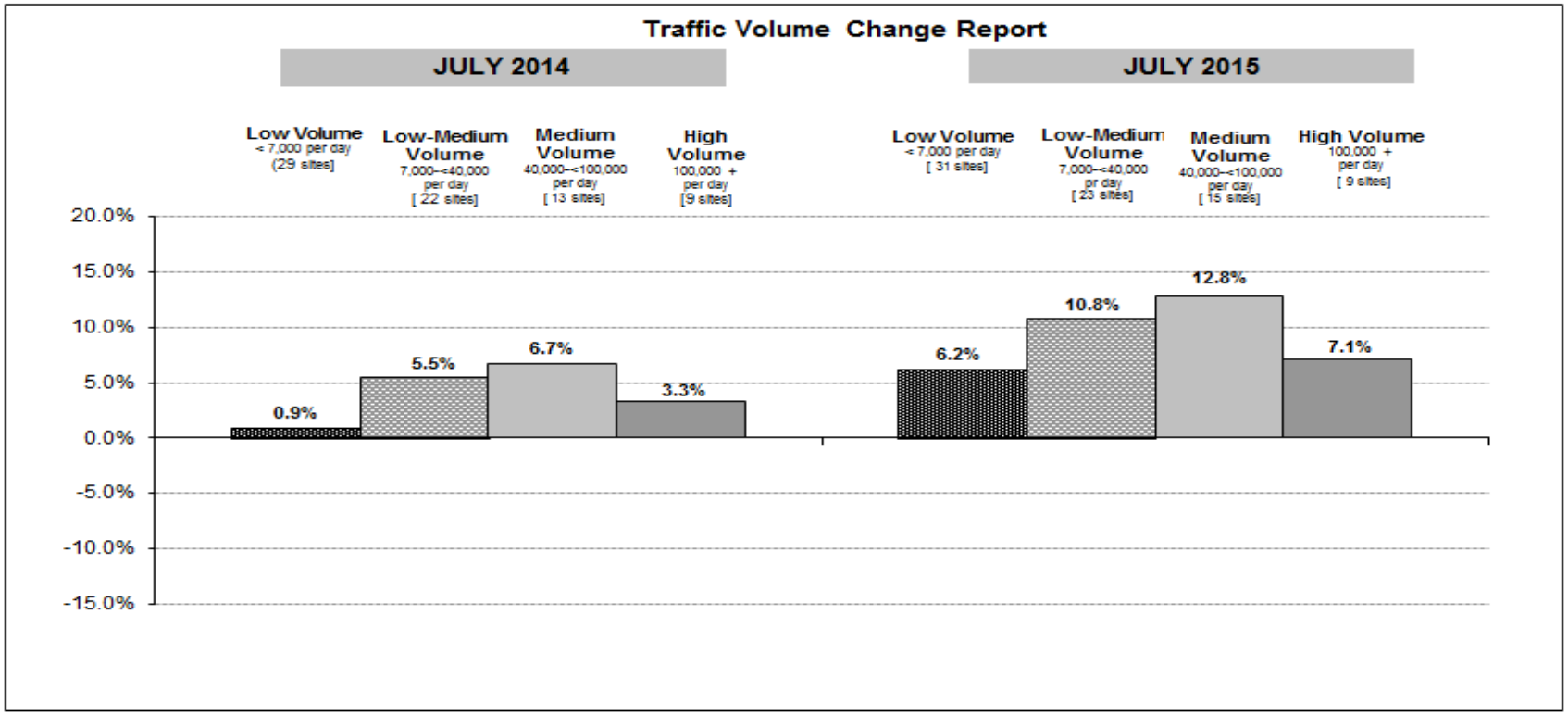
Executive Summary

This report provides information on traffic volume changes and trends. The data for this report is collected from 79 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 (+9.28**%)** when compared to the 5-year average from 2003 to 2007.

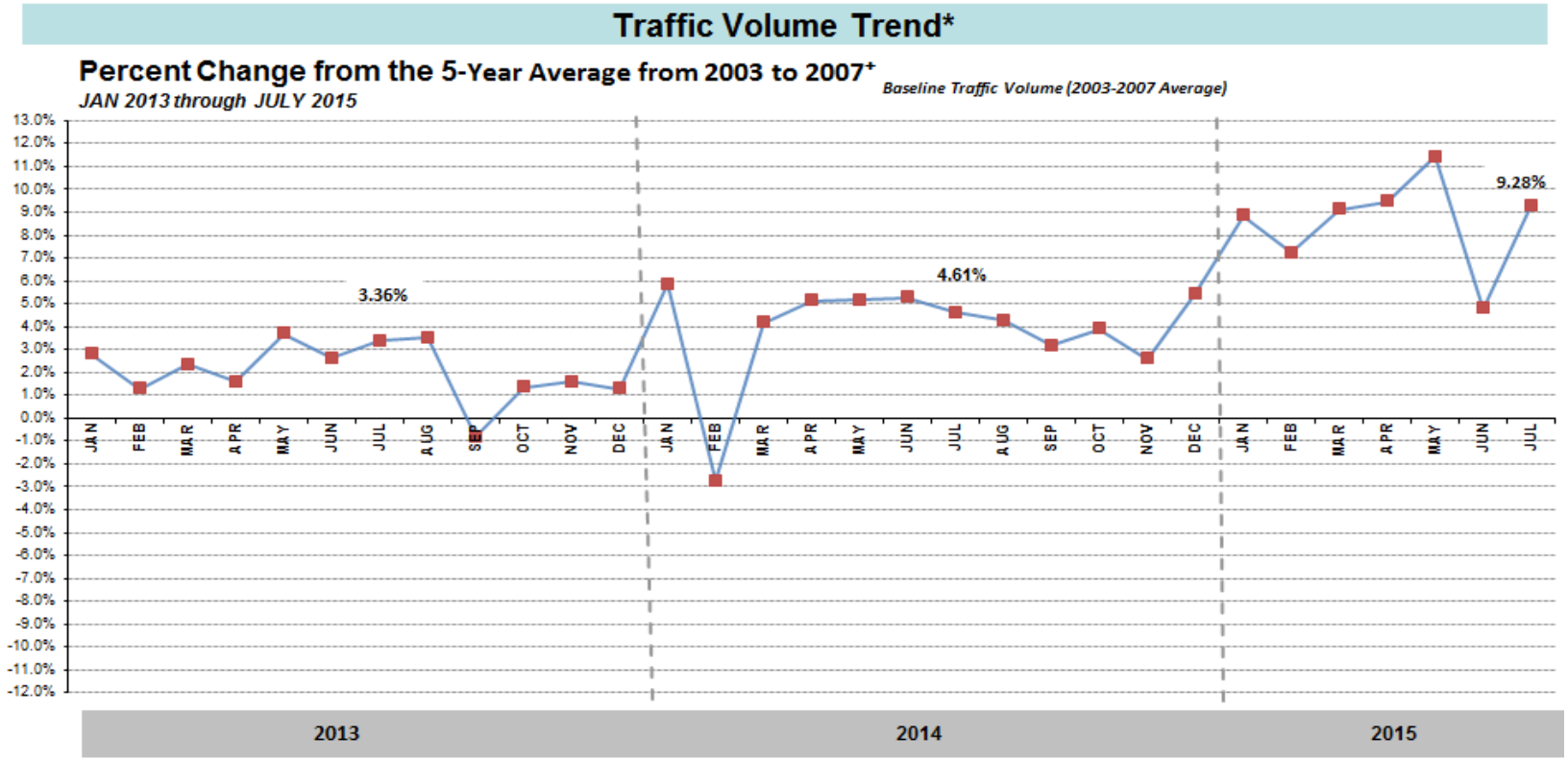
Traffic Volume Change Report for July 2015*

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



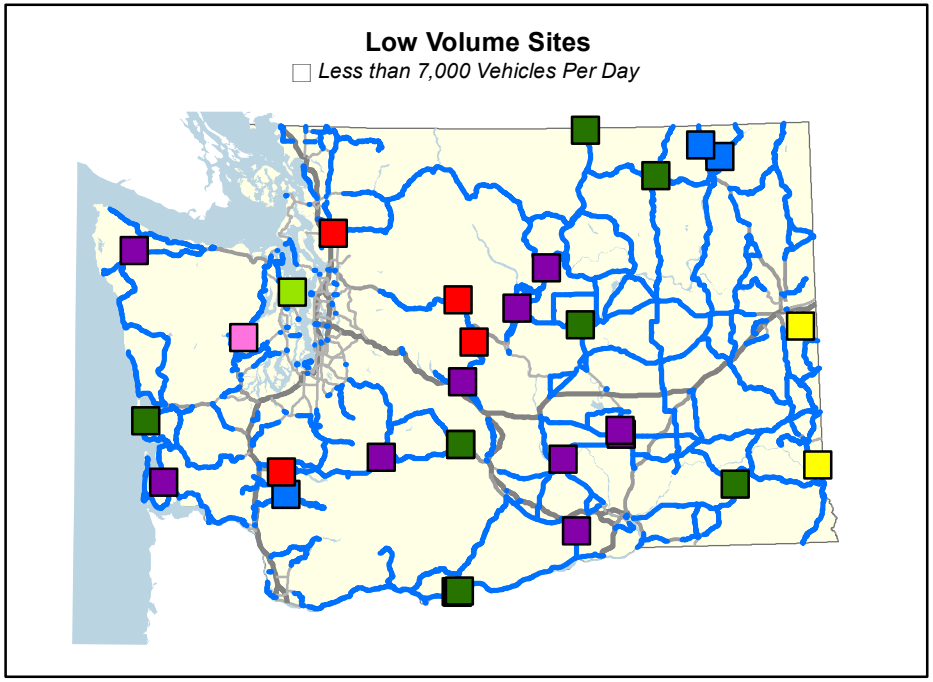
*Normal Traffic Volume is the expected level of volume for the month, which was forecasted by the five-year average (2003-2007) of traffic volume as a baseline (0.0%).
Unit of volume measurement is monthly average daily traffic (MADT).
Source: Transportation Data and GIS Office from Permanent Traffic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

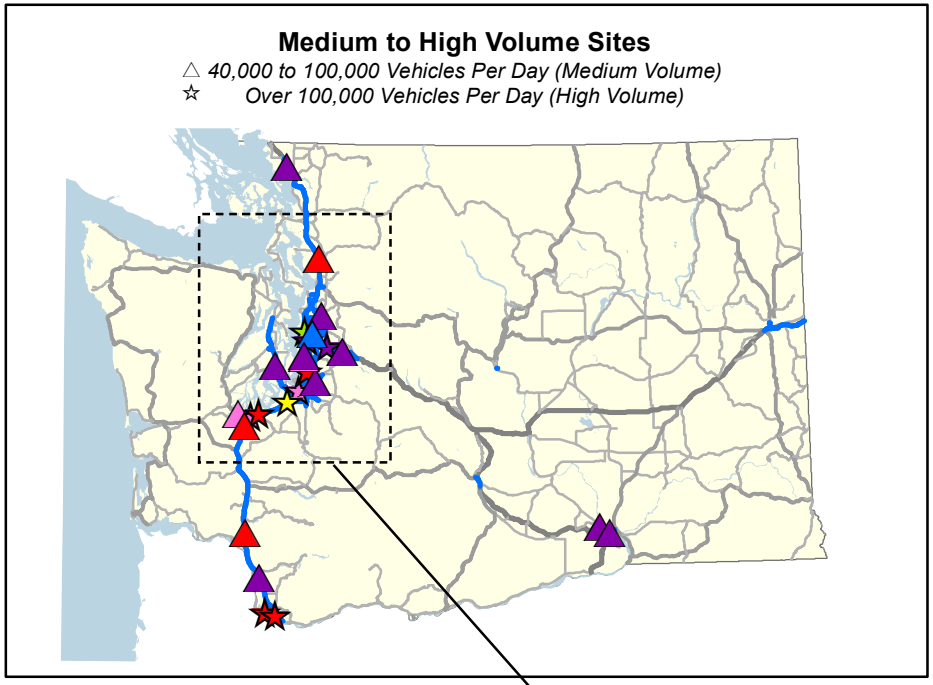
Compared to the traffic volume trend (average daily traffic) the overall traffic volumes for **July 2015** reflect an Increase of **(9.28%).**

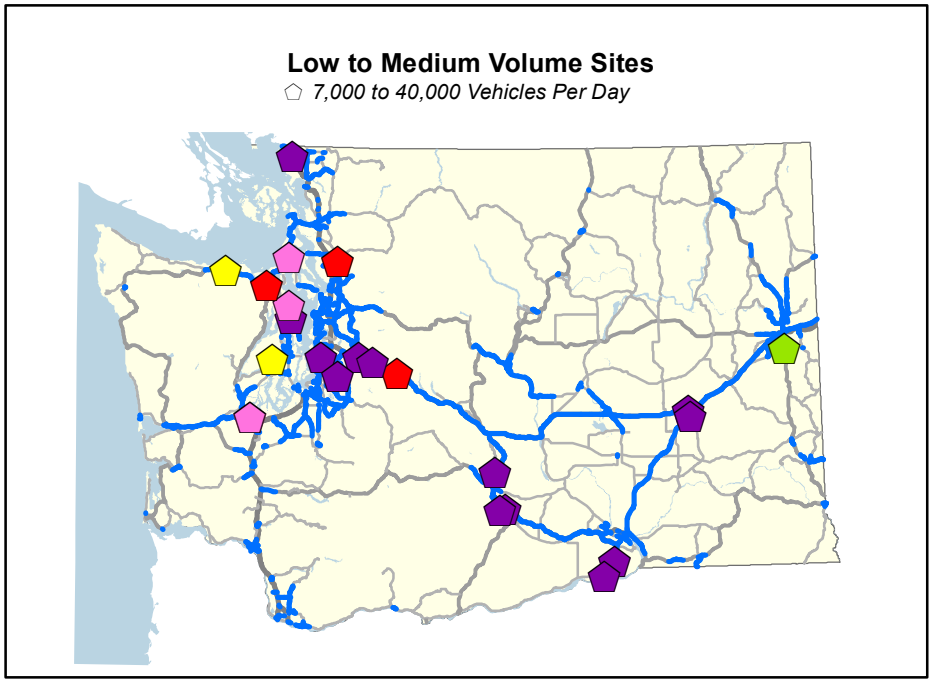


*Traffic Volume Trend is a weighted average of traffic volume changes among all reportable Permanent Traffic Recorder (PTR) sites. Weights are calculated proportional to the amount of monthly vehicle miles traveled (VMT, 2006-2012) based on highway volume. JULY15 Preliminary data.
+Normal Traffic Volume 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 - July 2015



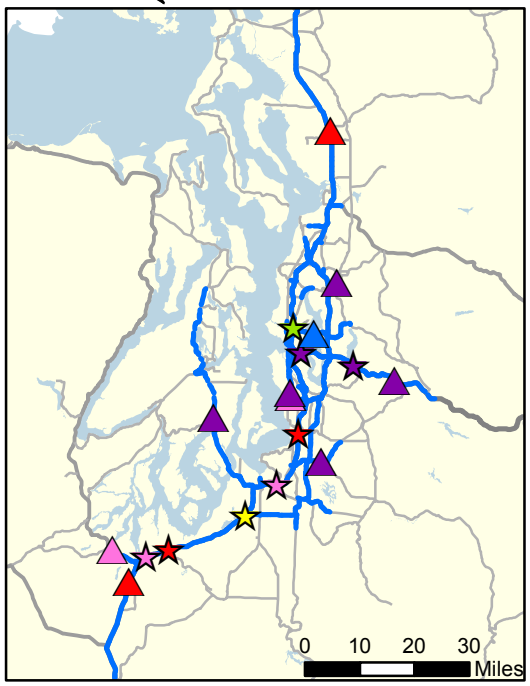




Percent Change

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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Transportation Data and GIS Office
Travel Data and Analysis Branch
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360-570-2392 or 360-570-2396 (E-mail) tdgoadc@wsdot.wa.gov

PERMANENT TRAFFIC RECORDER SITE MONTHLY COMPARISON TO PREVIOUS 5-YEAR AVERAGE OF SAME MONTH
JULY 2015

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	6,152	9.1%	Rec	Central	LOW
002	179.1		P02	E/O J SE - COULEE CITY	1,081	-6.6%	Rec	Central	LOW
003	28.68		R089	S/O LAKE FLORA RD.- GRAPEVIEW	19,631	2.0%		Puget Sound	LOW-to-MEDIUM
005	1.98		P5	S/O SR 500/39TH ST I/C -VANCOUVER	139,916	8.5%		Western	HIGH
005	20.14		R045	S/O SR 503 I/C - WOODLAND	84,316	13.1%		Western	MEDIUM
005	44.3		P8	N/O WEIGH STATION - KELSO	64,658	7.6%		Western	MEDIUM
005	100.54		R097	S/O TUMWATER BLVD	84,185	9.9%		Puget Sound	MEDIUM
005	106.7		P4	AT BOULEVARD RD UXING - OLYMPIA	154,134	3.1%		Puget Sound	HIGH
005	111.01		R060	S/O SR 510 I/C -LACEY	127,964	7.3%		Puget Sound	HIGH
005	126.76		R092	S/O SR 512 I/C - TACOMA	158,283	0.0%		Puget Sound	HIGH
005	136.8		S837	S/O SR 99 I/C - FIFE	203,192	5.4%		Puget Sound	HIGH
005	148.07		S809	S/O SR 516 I/C - MIDWAY	216,822	6.8%		Puget Sound	HIGH
005	168.84		R046	N/O ROANOKE ST UXING - SEATTLE	210,677	-3.0%		Puget Sound	HIGH
005	207.78		R001	S/O SR 530 I/C - MARYSVILLE	99,214	9.1%		Puget Sound	MEDIUM
005	261.33		P04	N/O SLATER ROAD I/C - FERNDALE	54,495	14.4%		Western	MEDIUM
005	269.41		S803	S/O BIRCH BAY/LYNDEN RD I/C- CUSTER	35,818	19.4%		Western	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

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008	20.67		R003W	AT SR 101 OXING - OLYMPIA	21,746	6.3%		Puget Sound	LOW-to-MEDIUM
009	28.75		P21	N/O HIGHLAND DRIVE - ARLINGTON	12,629	6.9%		Puget Sound	LOW-to-MEDIUM
009	32.98		R083	N/O 53RD AVE NE - BRYANT	2,663	8.6%		Puget Sound	LOW
012	77.78		R075	E/O KENNEDY ROAD-SALKUM	8,893	6.2%		Western	LOW
012	135.1		R040W	W/O COAL CREEK BRIDGE - PACKWOOD	3,155	10.7%	Rec	Western	LOW
012	185.25		S818S	S/O SR 410 - WHITE PASS	3,597	6.1%	Rec	Central	LOW
012	376.98		P05	W/O TUCANNON RIVER BR - DAYTON	2,411	-6.1%		Central	LOW
014	100.64		R076	W/O SR 14 MARYHILL SPUR -MARYHILL	2,745	13.2%		Central	LOW
014	102.27		R077	W/O MARYHILL RD - STONEHENGE	1,972	-9.0%		Central	LOW
016	18.65		R088	W/O SR 302 PURDY SPUR - BURLEY	53,745	17.2%		Puget Sound	MEDIUM
017	30.37		R020	S/O LEE ROAD - OTHELLO	7,071	22.6%		Central	LOW
018	5.26		P20	E/O SR 164 I/C - AUBURN EAST	65,316	13.1%		Puget Sound	MEDIUM
018	12.55		D12	AT 180TH AVE SE UXING - COVINGTON	40,461	29.7%		Puget Sound	LOW-to-MEDIUM
018	27.62		S838	S/O I-90 I/C - ECHO GLEN	29,356	28.2%		Puget Sound	LOW-to-MEDIUM
020	20.02		S706	E/O RHODODENDRON PARK DR - COUPEVILLE	9,852	2.6%		Puget Sound	LOW-to-MEDIUM
020	304.6		S820	W/O FAIRGROUNDS ROAD-REPUBLIC	2,666	-6.5%		Eastern	LOW

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+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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024	43.5		S612	AT COLUMBIA RVR BRIDGE - VERNITA BRIDGE	4,912	24.2%		Central	LOW
025	97		P27	N/O BOSSBURG ROAD - BOSSBURG	372	-17.3%		Eastern	LOW
026	43.06		R066	E/O SR 17 I/C - OTHELLO	3,227	22.3%	Rec	Central	LOW
027	77.3		P30	S/O GIBBS ROAD - SPANGLE	7,075	2.0%		Eastern	LOW
082	24.83		R048	E/O SELAH CR REST AREA ON RAMP - SELAH	20,530	13.2%		Central	LOW-to-MEDIUM
082	48.5		P08	W/O SR 22 I/C - BUENA	30,441	20.0%		Central	LOW-to-MEDIUM
082	121.2		P09	W/O COFFIN RD I/C - PLYMOUTH	22,717	22.4%		Eastern	LOW-to-MEDIUM
082	132.03		R086	E/O SR 14 - WALLULA	24,060	22.7%		Central	LOW-to-MEDIUM
090	4.22		R017	E. END OF MT BAKER TUNNEL- SEATTLE	136,165	11.2%		Puget Sound	HIGH
090	14.65		S825	W/O SR 900 I/C- ISSAQUAH	136,071	10.9%		Puget Sound	HIGH
090	23.54		S826	E/O JONES ROAD I/C - PRESTON	71,296	25.8%		Puget Sound	MEDIUM
090	33.56		R039	W/O 468TH AVE SE I/C-NORTH BEND	44,499	10.4%	Rec	Puget Sound	LOW-to-MEDIUM
090	47.71		S901	AT TINKHAM ROAD UXING -TINKHAM RD	40,432	9.9%	Rec	Western	LOW-to-MEDIUM
090	218.83		P10	W/O US 395 I/C- RITZVILLE	14,869	10.8%	Rec	Eastern	LOW-to-MEDIUM
097	66.3		P03	S/O PROGRESSIVE ROAD WYE CONN - WAPATO	13,882	11.5%		Central	LOW-to-MEDIUM
097	178.19		R047S	S/O OLD BLEWETT ROAD -BLEWETT PASS	7,844	7.9%	Rec	Central	LOW

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097	201.53	*AR	R059	N/O OHME GARDEN RD/WAREHOUSE RD - WENATC	9,951	10.9%		Central	LOW
097	220.55		R084	N/O BRAYS ROAD - ORONDO	6,184	22.8%		Central	LOW
097	250.35		P11	N/O COUNTY ROAD NO 1525 - PATEROS	6,179	21.6%		Central	LOW
097	335.3		P22	S/O OLD HIGHWAY ROAD - OROVILLE	2,439	-8.2%		Central	LOW
101	28.95		R074	N/O SR 4 - NEMAH	3,947	10.3%	Rec	Western	LOW
101	203.93		R073	E/O SR 113/BURNT MOUNTAIN RD	3,848	17.5%		Western	LOW
101	254.35		R069	AT WEIGH STATION-PORT ANGELES	26,020	0.3%		Western	LOW-to-MEDIUM
101	281.15		R023	S/O ORCAS AND HOLLAND DRIVES -DISCOVERY BA	15,668	8.3%		Western	LOW-to-MEDIUM
101	324.8		P18	S/O EAGLE CREEK BRIDGE - LILLIWAUP	3,900	3.1%	Rec	Puget Sound	LOW
101	361.37		R003N	N/O SR 8 - OLYMPIA	34,221	3.8%		Puget Sound	LOW-to-MEDIUM
101	362.02		R003E	E/O SR 8 - OLYMPIA	55,967	4.8%		Puget Sound	MEDIUM
104	13.92		R085	AT HOOD CANAL BRIDGE	20,866	3.8%		Puget Sound	LOW-to-MEDIUM
104	19.48		R095	W/O OLD PORT GAMBLE ROAD WYE CONN -KINGST	6,833	-5.9%		Puget Sound	LOW
105	31.92		R043	AT ELK RIVER BRIDGE - WESTPORT	6,639	-6.5%		Western	LOW
182	6.34		R081	AT COLUMBIA RIVER BRIDGE-PASCO	63,831	44.5%		Eastern	MEDIUM
195	6.01		P13	S/O BAUER RD 9440 - UNIONTOWN	4,973	0.4%		Eastern	LOW

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195	87.7		P15	N/O WASHINGTON RD - SPANGLE	8,316	-4.8%		Eastern	LOW-to-MEDIUM
205	28.84		R051	N/O MILL PLAIN I/C - VANCOUVER	123,688	8.2%		Western	HIGH
221	13.1		P17	S/O SELLARDS RD - PROSSER	2,788	25.5%		Central	LOW
307	2.31		R096	S/O NE GUNDERSON RD.	18,542	16.8%		Puget Sound	LOW-to-MEDIUM
395	18.58		R087	AT COLUMBIA RIVER BRIDGE - KENNEWICK	66,006	12.8%		Central	MEDIUM
395	93.01		P7C	S/O I-90 I/C - RITZVILLE	10,487	17.9%		Eastern	LOW-to-MEDIUM
395	260		P26	N/O COUNTY ROAD - ORIENT	880	-10.2%		Eastern	LOW
410	116.26		S818W	W/O SR 12 - CHINOOK PASS	3,194	-6.7%	Rec	Central	LOW
504	19.43		S840	E/O PRIVATE ROAD 1900 - KID VALLEY	1,367	-28.5%	Rec	Western	LOW
509	26.37		D14	N/O SR 518 I/C - BURIEN	65,084	10.3%		Puget Sound	MEDIUM
518	0.35		D13	E/O SR 509 I/C - SEATAC	61,991	3.2%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING -TOLLPIAZA	70,659	-29.4%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	52,968	21.8%		Puget Sound	MEDIUM
599	1.15		S839	E/O SR 99 I/C - TUKWILA	44,926	13.7%		Puget Sound	LOW-to-MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	6,394	11.0%	Rec	Central	LOW

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518	0.35		D13	E/O SR 509 I/C - SEATAC	60,113	-3.1%		Puget Sound	MEDIUM
520	4		D10	W/O 76TH AVE NE UXING -TOLLPlAZA	69,286	-34.5%		Puget Sound	MEDIUM
520	12.01		S547	E/O W.LAKE SAMM PKWY I/C	78,239	10.5%		Puget Sound	MEDIUM
522	13.3		P19	W/O SR 9 I/C - WOODINVILLE	51,543	17.5%		Puget Sound	MEDIUM
970	6.85		R057	W/O TEANAWAY RD - TEANAWAY	5,545	9.2%	Rec	Central	LOW

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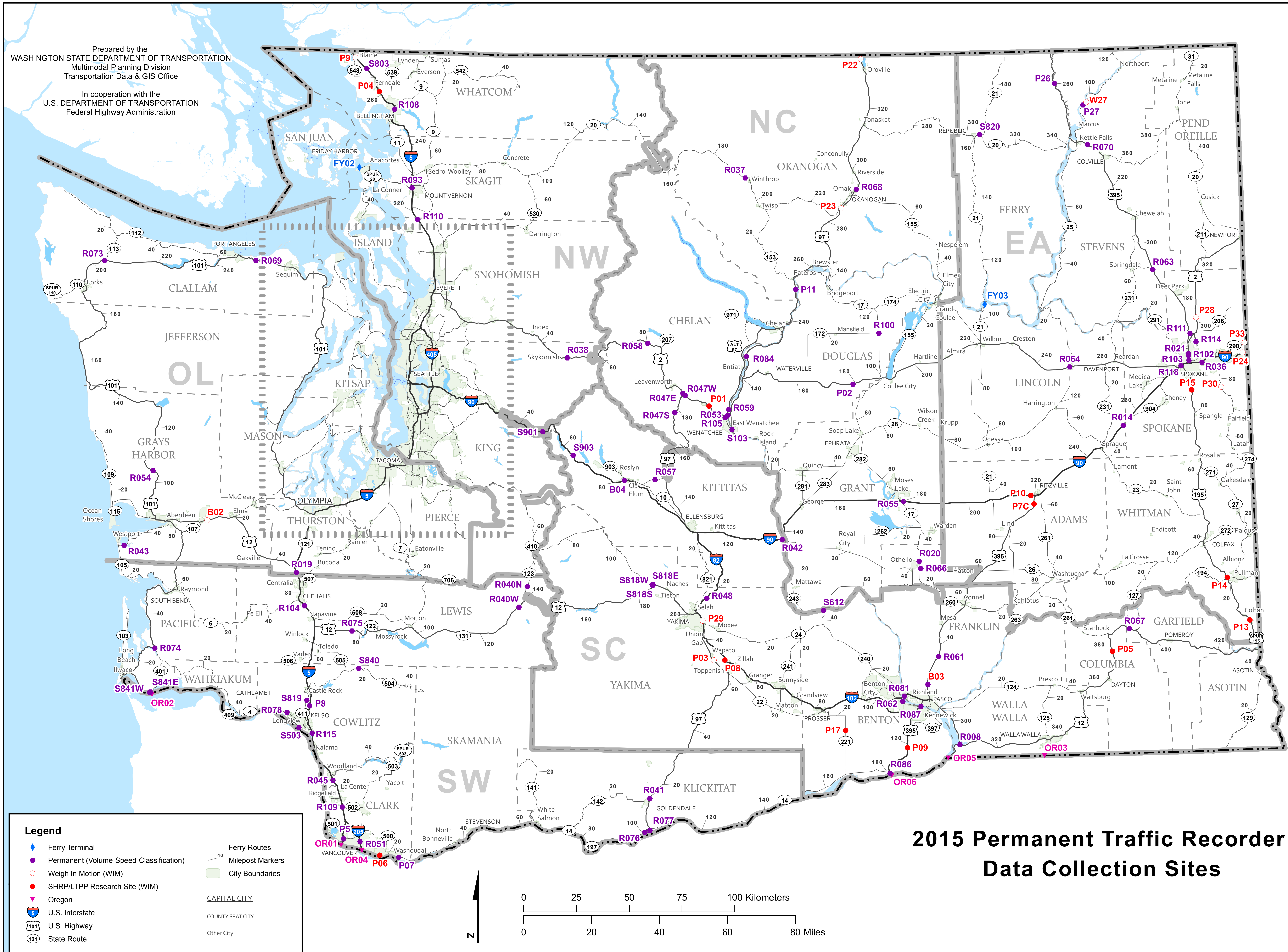
Prepared by the
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Multimodal Planning Division
Transportation Data & GIS Office
In cooperation with the
U.S. DEPARTMENT OF TRANSPORTATION
Federal Highway Administration
2015 Permanent Traffic Recorder
Data Collection Sites
Legend
Ferry Terminal
Permanent (Volume-Speed-Classification)
Weigh In Motion (WIM)
SHRP/LTPP Research Site (WIM)
Oregon
U.S. Interstate
U.S. Highway
State Route
Ferry Routes
Milepost Markers
City Boundaries
CAPITAL CITY
COUNTY SEAT CITY
Other City
0 25 50 75 100 Kilometers
0 20 40 60 80 Miles
N
NW
NC
EA
OL
SC
SW
WHATCOM
SAN JUAN
SKAGIT
ISLAND
SNOHOMISH
CLALLAM
JEFFERSON
KITSAP
MASON
KING
GRAYS HARBOR
THURSTON
PIERCE
PACIFIC
LEWIS
WAHKIAKUM
COWLITZ
SKAMANIA
CLARK
OKANOGAN
CHELAN
DOUGLAS
KITTITAS
GRANT
YAKIMA
KLICKITAT
BENTON
FRANKLIN
FERRY
STEVENS
PEND OREILLE
LINCOLN
SPOKANE
ADAMS
WHITMAN
WALLA WALLA
COLUMBIA
GARFIELD
ASOTIN
P9
S803
P04
R108
FY02
R093
R110
R073
R069
R054
B02
R043
R019
R104
R075
R074
S840
S841W
S841E
OR02
R078
S819
P8
S503
R115
R045
R109
P5
OR01
R051
OR04
P06
P07
R038
R058
S901
S903
B04
R057
R037
R068
P23
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FY03
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P28
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R114
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R021
R102
R103
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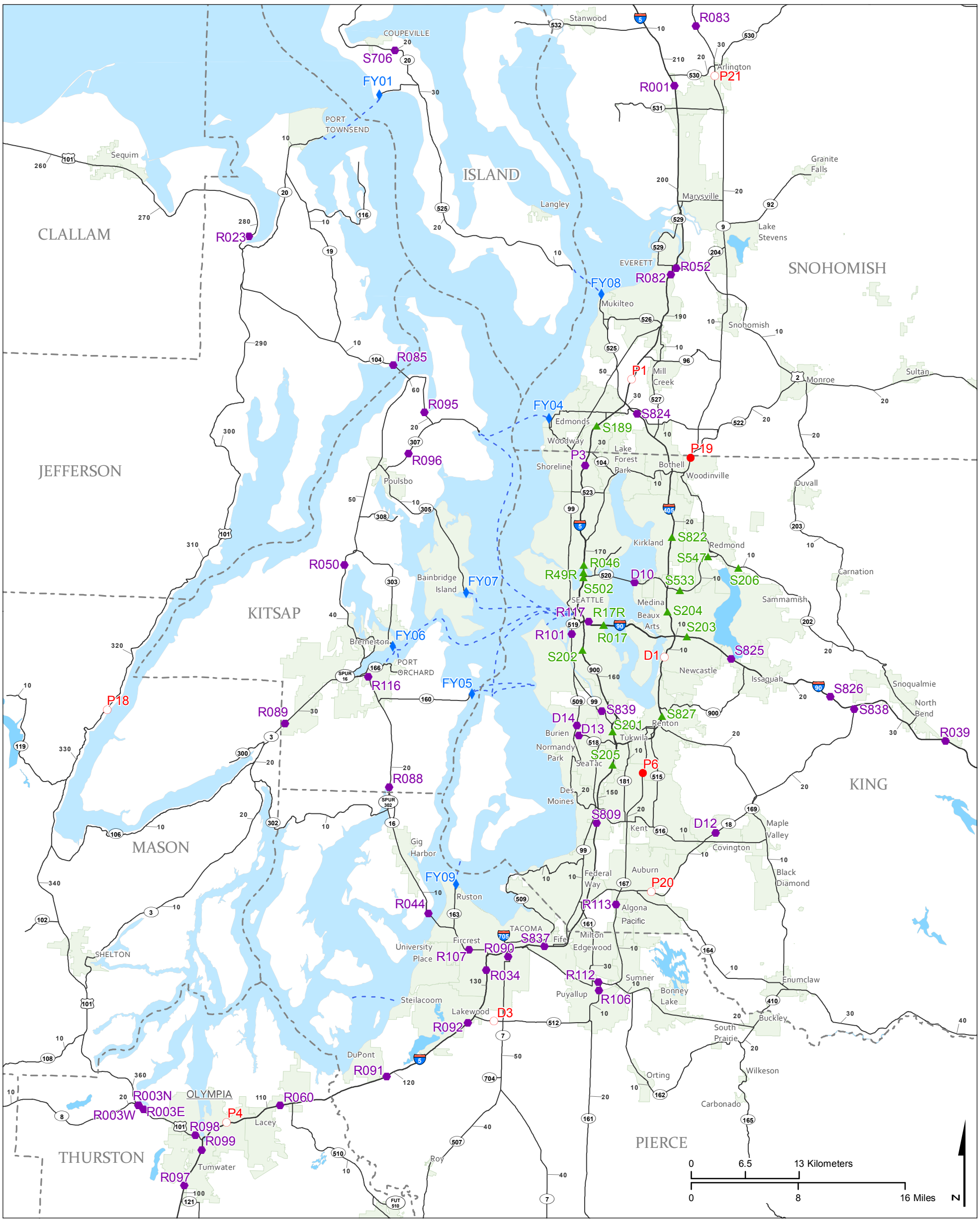

2015 Permanent Traffic Recorder Data Collection Sites

LEGEND

- Seattle (NWR)
- Ferry Terminal
- 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

The data in this map is provided by the Travel Data & Analysis Branch and was mapped by the GIS & Roadway Data Branch within the Transportation Data & GIS Office