

Measuring Delay and Congestion Annual Report

Congestion Report Dashboard of Indicators

2012 Congestion Report Dashboard of Indicators

Dollar values are inflation-adjusted, measured in 2011 dollars

	2007	2008	2009	2010	2011	Difference '10 vs. '11	Difference '09 vs. '11
Demographic and economic indicators							
State population (thousands)	6,525	6,608	6,672	6,725	6,768	0.6%	1.4%
Population density (persons per square mile)	98.1	99.3	100.3	101.2	101.8	0.6%	1.5%
Gasoline price per gallon (annual average)	\$3.18	\$3.54	\$2.68	\$3.10	\$3.72	20.0%	38.8%
Washington unemployment rate (annual)	4.6%	5.4%	9.4%	9.9%	9.2%	-0.7%	-0.2%
Washington rate of annual economic growth ¹	5.2%	0.8%	-2.8%	1.8%	2.0%	0.2%	4.8%
Washington real per capita income ²	\$45,287	\$45,816	\$43,675	\$43,761	\$44,350	1.3%	1.5%
System-wide congestion indicators							
Vehicle miles traveled							
All public roads vehicle miles traveled (VMT), in billions	56.964	55.447	56.461	57.191	56.965	-0.4%	0.9%
All public roads per capita VMT, in miles	8,780	8,417	8,467	8,505	8,417	-1.0%	-0.6%
State highways VMT, in billions	31.970	30.742	31.456	31.764	31.455	-1.0%	0.0%
State highways per capita VMT, in miles	4,928	4,667	4,717	4,724	4,648	-1.6%	-1.5%
System congestion							
Total state highway lane miles	18,425	18,500	18,571	18,630	18,642	0.1%	0.4%
Lane miles of state highway system congested	1,032	962	966	1,025	1,007	-1.8%	4.2%
Percent of state highway system congested ³	5.6%	5.2%	5.2%	5.5%	5.4%	-0.1%	0.2%
Delay on state highways							
Total vehicle hours of delay, in millions of hours ⁴	35.1	34.8	28.1	31.7	32.5	3%	16%
Annual hours of per capita delay on state highways ⁴	5.4	4.9	4.2	4.7	4.8	2%	14%
Cost of delay on state highways (2011 dollars in millions)							
Measured at maximum throughput speeds ⁴	\$842	\$835	\$674	\$760	\$780	3%	16%
Measured at posted speeds	\$1,230	\$1,200	\$1,046	\$1,126	\$1,142	1%	9%
Corridor-specific congestion indicators							
Congestion on 52 commute routes in the central Puget Sound region							
Annual Maximum Throughput Travel Time Index (MT ³ I) ⁵	1.45	1.25 ⁶	1.30	1.37	1.35	-1.4%	3.8%
Number of commute routes with MT ³ I > 1 ⁵	46	41 ⁶	43	45	44	N/A	N/A
WSDOT congestion relief projects							
Number of completed Nickel and TPA mobility projects as of December 31 of each year (cumulative)	33	43	65	73	82	9	17
Cumulative project value (dollars in millions)	\$963	\$1,289	\$2,212	\$2,596	\$2,802	\$206	\$590

Data source: Washington State Office of Financial Management; Economic and Revenue Forecast Council; Bureau of Economic Analysis, U.S. Department of Energy - Energy Information Administration; Bureau of Labor Statistics - Consumer Price Index; WSDOT State Highway Log.

Notes: Analysis in the 2012 *Congestion Report* examines 2009 and 2011 annual data; five years of data are provided here for information only. All dollar values are inflation-adjusted using the Consumer Price Index (CPI). 1 Measured as the percent change in annual Washington Real Gross Domestic Product (GDP). 2 Measured as total statewide personal income in chained dollars divided by state population. 3 Based on below 70% of posted speed. 4 Based on maximum throughput speed threshold (85% of posted speed). 5 MT³I greater than one means the commute route experiences congestion (for definition see p. 13). 6 2008 data not available for four of the 52 routes. For more information see gray box on p. 15 of the 2009 *Congestion Report*.