Region's reliability

Travel time reliability summary

Source: FHWA NPMRDS

Corridors with least reliable travel*

Corridor location	Time of day	Travel time buffer (minutes) 2013	2015	Change	% Change
I-5 NB	PM	35.5	38.4	+2.9	8.2%
I-5 SB	PM	34.0	46.1	+12.1	35.6%
I-205 NB	PM	31.2	43.4	+12.2	39.1%
I-405 NB	PM	3.7	6.7	+3.0	81.1%
I-405 SB	PM	4.4	6.2	+1.8	40.9%
US 26 EB	PM	16.2	17.8	+1.6	9.8%
OR 217 SB	PM	7.6	8.1	+0.5	6.6%

Corridors with most significant increases in buffer time*

Corridor location	Time of day	Travel time buffer (minutes) 2013	2015	Change	% Change
I-5 SB	PM	34.0	46.1	+12.1	35.6%
I-205 NB	PM	31.2	43.4	+12.2	39.1%
I-405 NB	PM	3.7	6.7	+3.0	81.1%
I-405 SB	PM	4.4	6.2	+1.8	40.9%
US 26 WB	PM	2.0	5.4	+3.4	170%

Corridors with largest increases in mid-day buffer time*

Corridor location	Time of day	Travel time buffer (minutes) 2013	2015	Change	% Change
I-5 NB	Mid-Day	10.0	14.5	+4.5	45.0%
I-205 NB	Mid-Day	4.0	8.1	+4.1	102.5%
I-205 SB	Mid-Day	4.2	9.6	+5.4	128.6%
US 26 EB	Mid-Day	3.7	7.0	+3.3	89.2%
OR 217 SB	Mid-Day	2.1	5.0	+2.9	138.1%

*Selection based on buffer time weighted for length of corridor

Corridor with improved buffer time* and reliability

Corridor location	Time of day	Travel time buffer (minutes) 2013	2015	Change	% Change
I-84 EB	PM	12.0	6.8	-5.2	43.3%

Reliability on I-84 EB has shown a decrease in both average and buffer travel time during the PM peak. This is due to the CBOS auxiliary lane extension project constructed in 2014 at the I-84 EB exit ramp to I-205 NB.

Corridor that experienced sustainable reliability

OR 217 SB	PM	7.6	8.1	+0.5	+6.6%

Even though OR 217 SB is among the region's top unreliable travel corridors and also has large increase in mid-day buffer time, its PM travel time has decreased and the buffer time change is among the lowest in the region.

This is the result of the ATM project that was deployed in 2014. In corridors with no improvements, degradation in average and buffer travel time is seen across all hours of the day, whereas for OR 217 the PM has improved.

BUFFER TIME is a measure of **RELIABILITY;** it is the **EXTRA TIME** or cushion a traveler should **ADD TO THEIR TRIP** to ensure **ON TIME ARRIVAL.**

INCREASING BUFFER TIME equates to **RELIABILITY GETTING WORSE.**