

I-5: Capitol Hwy - OR 217

Multnomah County

Project Description

Install 18 new ODOT RealTime signs at key locations in both directions of Interstate 5 in Tigard and Southwest Portland. The new signs will consist of variable advisory speed signs (VAS) and variable message signs (VMS) across new sign bridges.

Purpose And Need

Travelers experience high congestion and high-crash rates during peak periods in this section of I-5 due to unexpected congestion and conditions in the Terwilliger curves and the I-5/I-405 split at the Marquam Bridge. RealTime signs have proven to help manage congestion in addition to improving safety, reliability, and green house gas emissions.

Proposed Solutions

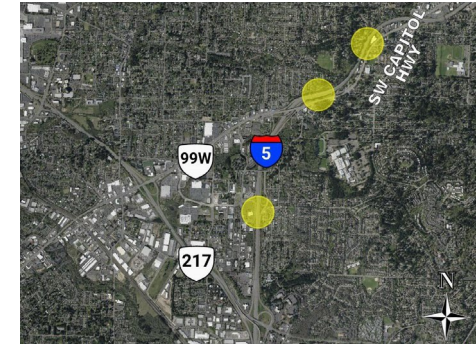
Install 18 new RealTime traveler information signs at key locations on I-5 through Tigard and Southwest Portland to improve safety and travel time predictability. Update outdated fiber optic cable network and repair and connect damaged or missing sections.

Anticipated Benefits

- Increases safety in the corridor by reducing the number and frequency of crashes.
- Improves operations by providing queue warning, traveler information and variable advisory speeds to better inform and prepare drivers.
- Increases travel time reliability during peak travel times.
- May accommodate future bus-on-shoulder service
- Variable message signs (VMS) alert drivers about crashes, congestion, road conditions, closures and other traffic-related information.
- VMS display estimate travel times to key destinations, so drivers can plan their arrival time or consider taking an alternate route.
- VAS signs display advisory speed based on the traffic ahead. The advisory speeds will change as real-time driving conditions change.

Estimated Project Cost

Estimated cost	\$15,917,009.
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Location of new ODOT RealTime signs on I-5



Example of variable speed signs on OR 217

