

# Highway Construction Program

## Monthly Delivery Progress Report Watch List

**November 2015**

This report focuses on Capital Highway Program projects which have, or may have significant changes in scope, schedule, or budget. These projects are reported monthly by CPDM to identify when and how these delivery issues are resolved.

The Monthly Delivery Progress Report Watch List replaces the quarterly delivery progress report previously known as The Gray Notebook Watch List. A monthly report allows for timely reporting and improves transparency on delivery progress.

This report sorts projects into three categories: new projects being reported on, changes from last month, and projects previously reported that have no changes and are not yet resolved.

- **Projects are Removed** when delivery has been delayed out of the Six-Year Plan, when delivery has been attained, or when a significant issue has been mitigated and approved by WSDOT.
- **New projects this month.** These projects have been added to the watch list due to potential changes or issues in scope, schedule, or budget. This category also includes projects with changes that occurred and were resolved within the current month.
- **Changes from Prior Month.** Changes discussed in this section were on the previous month's watch list and have other issues that have happened; or they may have been resolved.
- **No Changes from Prior Month.** These projects were on the previous month's watch list and are being followed while an issue is in the process of being resolved.

For additional information on scope, schedule and budget for all projects, please visit [WSDOT's project pages](http://www.wsdot.wa.gov/projects/search/). This is the link that leads to the websites of individual projects: <http://www.wsdot.wa.gov/projects/search/>

To search for a particular project, please enter the state route, county, project title or PIN.

## Summary

Delivery Progress Report Summary Table as of November 30, 2015, with issues based on a monthly update.

<b>Removed in November 2015</b>	
<b>Project</b>	<b>Phase/Issue</b>
I-82/Valley Mall Blvd Vic to Yakima River Bridge – Paving (Yakima) 508208K	<b>Design: schedule delay</b>
SR 542/Marshall Hill Road - Culvert Repair (Whatcom) 154216C	<b>Construction: emergency repairs</b>

<b>New in November 2015</b>	
<b>Project</b>	<b>Phase/Issue</b>
I-5/ Mellen Street to Blakeslee Junction - Add Lanes, I/C Improvements (Lewis) 400511W	<b>Construction: schedule delay</b>
SR 542/Marshall Hill Road - Culvert Repair (Whatcom) 154216C	<b>Construction: emergency repairs</b>

<b>Changes from Prior Month</b>	
<b>Project</b>	<b>Phase/Issue</b>
I-5/93rd Ave SW Bridge – Special Repair (Thurston) 300504H	<b>Construction: emergency repairs</b>
I-82/Valley Mall Blvd Vic to Yakima River Bridge – Paving (Yakima) 508208K	<b>Design: schedule delay</b>
SR 99/S King St Vic to Roy St - Viaduct Replacement (King) 809936E	<b>Construction: schedule delay</b>
SR 410/White River Bridge 410/101 - Bridge Elements Repair (King, Pierce) 141001M	<b>Construction: cost increase</b>

## No Changes from Prior Month

Project	Phase/Issue
SR 92/Pilchuck River – CED (Snohomish) 109205A	Design: schedule delay
SR 161/24th St E to Jovita - Add Lanes (Pierce) 316118A	Construction: potential cost increase
SR 302/N of E Victor Rd - Culvert Replacement (Mason) 330224A	Design: schedule delay
SR 524/Yew Way - Railroad Crossing Improvements (Snohomish) 152413B	Design: schedule delay

## Project Detail

Below is the detail behind the above summary.

## New in November 2015

I-5/ Mellen Street to Blakeslee Junction - Add Lanes, I/C Improvements (Lewis)

**Issue: The operationally complete date was delayed 9 months.**

This project will provide potential congestion relief on this section of roadway by constructing collector-distributor lanes between the existing Mellen Street and Harrison Avenue interchanges. It will also widen I-5 from two lanes to three lanes in each direction north of Harrison Avenue. A new overcrossing will be constructed south of Mellen Street, the Harrison Avenue interchange will be improved, and a new bridge will be built over the railroad tracks at Blakeslee Junction. The Skookumchuck River Bridges will also be repaired and painted. These improvements will potentially improve traffic flow and safety.

The operationally complete date has been delayed by 9 months from December 2015 to September 2016. Work on the Skookumchuck bridges was not finished in time for the paving to be completed before the end of the 2015 season. Paving and associated work will occur in summer 2016.

### SR 542/Marshall Hill Road - Culvert Repair (Whatcom)

**Issue: Severe storms in November 2015 damaged the culvert and SR 542. This project is being reported and removed from this list.**

A severe storm from November 13th to 15th, 2015 damaged a culvert on SR 542, about a half-mile west of Mosquito Lake Road. A sinkhole appeared adjacent to the eastbound lane of SR 542 and was directly above an existing culvert located approximately 40 feet below the roadway surface. Further investigation revealed a separated or collapsed section of the culvert pipe which caused the sinkhole. As of November 30th, an emergency contract will reduce the highway to one lane so emergency repairs can be made to the damaged culvert.

The cost estimate for the emergency repair is \$500,000.

## Changes from Prior Month

### I-5/93rd Ave SW Bridge – Special Repair (Thurston)

**Changes from Prior Report: The cost estimate is available.**

An oversize load traveling northbound on I-5 struck the 93rd Avenue overpass at exit 99 on September 13, 2015. The bridge was damaged and will require structural repair and replacement of bridge elements. As a result, the lane width on the bridge has been reduced and shifted to keep traffic away from the damaged area until a permanent repair is completed.

Update to the October report: The cost estimate for the permanent repair to the bridge is \$650,000.

### I-82/Valley Mall Blvd Vic to Yakima River Bridge – Paving (Yakima)

**Changes from Prior Report: Construction was delayed by 1 year from 2016 to 2017. This project is being removed from this list.**

Previously reported: This project, estimated at \$1.4 million, is in the design phase. This project will grind and inlay both lanes of I-82 and part of the shoulders to extend the service life of the pavement. During a field review, the current pavement condition at this location revealed less deterioration than anticipated. As a result, WSDOT has delayed advertisement from March 2016 to fall 2016. Deferring the advertisement has

delayed the project's construction season by 1 year from 2016 to 2017, and the operationally complete date by 1 year from fall 2016 to fall 2017.

Update to the September report: Following a field review, current pavement conditions revealed less deterioration than anticipated. As a result, WSDOT approved a one year delay to this project. Construction will begin in 2017.

#### SR 99/S King St Vic to Roy St - Viaduct Replacement (King)

##### **Changes from Prior Report: Seattle Tunnel Partners (STP) and Hitachi Zosen rotate the cutterhead.**

Previously reported: STP's most recent schedule indicates that tunneling will be ready to resume during late December 2015. STP's projected tunnel opening date is now April 2018. STP and manufacturer Hitachi Zosen continue to weld pieces together, and reconnect hoses and wires. STP informed WSDOT the schedule change provides time to complete the tunneling machine repairs successfully. WSDOT cannot verify any of the dates shown in STP's schedule.

After STP and crane crews from Mammoet, Inc. lowered the SR 99 tunneling machine's 2,000-ton front end into the access pit, crews began reconnecting the front end to the portion of the machine that remains in the ground. Pieces of the machine's shield are also being lowered into the pit and reinstalled. Crews have additional reassembly work, including welding pieces back together and reconnecting hundreds of wires and hoses that are integral to the tunneling operation. STP has successfully lowered the final three pieces of the tunneling machine into the access pit for reassembly. Crews will weld the pieces back together, in addition to reconnecting hundreds of cables and hoses so testing can begin. (For the complete Watch List report, please see the [July 2014 Watch List](#) at the Project Delivery Reports Archive website.)

Update to the October report: STP and manufacturer Hitachi Zosen have successfully rotated the tunneling machine's cutterhead. November highlights included the continued testing of pumps and the conveyor system that carries excavated material out of the tunnel.

For more updates on the Alaskan Way Viaduct Replacement project, please see the Alaskan Way Viaduct website at <http://www.wsdot.wa.gov/projects/viaduct/>

#### SR 410/White River Bridge 410/101 - Bridge Elements Repair (King, Pierce)

##### **Changes from Prior Report: The operationally complete date was delayed by 5 months.**

Previously reported: A WSDOT inspection found the overhead support structure of the SR 410 White River Bridge was damaged, likely by a truck with an over-height load. The bridge was closed on April 4th after WSDOT crews discovered damage to the bridge's overhead support structure during a routine inspection. The bridge has an arched steel overhead support structure, which is signed for 15 feet. Low clearance warning signs were posted along the shoulder approaching the bridge. PCL Civil Constructors, Inc. was selected to do the temporary repair work, estimated at \$350,000, to allow the bridge to open to traffic.

The estimated total cost for the permanent repair has increased from \$1.2 million to \$1.9 million and the work was advanced by 5 months from January 2016 to August 2015 with construction beginning in October 2015 and completing by the end of November 2015. (For the complete Watch List report, please see the [April 2015 Watch List](#) at the Project Delivery Reports Archive website.)

Update to the August report: WSDOT has delayed the construction start by 7 months, from September 2015 to April 2016, which has delayed the completion date by 5 months to April 2016. The bridge will be closed to traffic for repairs which may require multiple weekend closures. Travelers will be required to use a 20-mile detour route impacting local businesses and schools in Enumclaw and Buckley as well as numerous holiday events and the opening of the ski resort. After receiving community input about the severity of the impacts on the community, the project is being delayed until April 2016. WSDOT will monitor the temporary repairs and continue to work with the community to revise the closure schedule and address local concerns.

## No Changes from Prior Month

SR 92/Pilchuck River – CED (Snohomish)

**Status: No change.**

Previously reported: The advertisement date has been delayed by 5 months from November 2015 to spring 2016 due to delays with attaining the environmental permit, which in turn has delayed the right of way acquisitions. The environmental permitting process and coordination with resource agencies has taken longer than originally anticipated. In addition, resource agencies may require design changes which would require a formal Environmental Species Act consultation and further delay the environmental permit, right of way acquisitions, and subsequently, the spring 2016 advertisement date. (For the complete report, please see the [June 2015 Watch List](#) at the Project Delivery Reports Archive website.)

SR 161/24th St E to Jovita - Add Lanes (Pierce)

**Status: No change.**

Previously reported: There is a potential cost increase due to a pending claim by the contractor. The project was completed on August 21, 2014. (For the complete report, please see the [September 2014 Watch List](#) at the Project Delivery Reports Archive website.)

SR 302/N of E Victor Rd - Culvert Replacement (Mason)

**Status: No change.**

Previously reported: WSDOT has delayed the schedule to allow time to obtain environmental permits and a permanent construction easement from a private property owner. The design has changed from constructing a wall to armoring with rock at the culvert's outlet location on the beach. Armoring will prevent wave action from further eroding the slope. The new design extends to private property and requires a permanent easement. The redesign has delayed the schedule from the 2015 construction season to the 2016 construction season. (For the complete Watch List report, please see the [April 2014 Watch List](#) at the Project Delivery Reports Archive website.)

SR 524/Yew Way - Railroad Crossing Improvements (Snohomish)

**Status: No change.**

Previously reported: WSDOT is now planning to advertise in early fall 2015, which remains at risk due to possible delays with obtaining the easement from the Port of Seattle. This delay will likely delay the construction completion to spring 2016 due to potential paving restrictions on behalf of weather. (For the complete report, please see the [June 2015 Watch List](#) at the Project Delivery Reports website.)

Update to the June 2015 report: The advertisement date remains at risk and has been further delayed to winter 2016 which will delay the construction completion to fall 2016. Initially, the completion of right of way plans was delayed because WSDOT determined that an easement for a portion of SR 524 roadway which crosses the railroad tracks had not been previously granted from the Port of Seattle (railroad owner) to either Snohomish County or WSDOT. The right of way plans were revised and WSDOT is currently seeking to acquire the right of way easement necessary for completing the work from the Port of Seattle.