

# Highway Construction Program

## Monthly Delivery Progress Report Watch List

**March 2016**

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/or 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](#). 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 March 31, 2016, with issues based on a monthly update.

<b>New in March 2016</b>	
<b>Project</b>	<b>Phase/Issue</b>
SR 3/Belfair Area - Widening and Safety Improvements (Mason) 300344D	<b>Construction: detention pond failure, potential cost increase and schedule delay</b>
I-5/NB Spokane St to Lake WA Ship Canal Bridge - Special Bridge Repair (King) 100522C	<b>Design: element change, cost increase</b>
SR 112/Nordstrom Creek - Remove Fish Barrier (Clallam) 311242A	<b>Design: schedule delay</b>
US 195/N Fork Palouse River Bridge - Special Repair (Whitman) 619503M <i>Related Projects:</i> <ul style="list-style-type: none"> <li>• SR 26/N Fork Palouse River Bridge - Special Repair (Whitman) 602613F</li> <li>• US 195/N Fork Palouse River Bridge - Replace Rail (Whitman) 619503L</li> </ul>	<b>Design: schedule delay</b>

<b>Changes from Prior Month</b>	
<b>Project</b>	<b>Phase/Issue</b>
SR 99/S King St Vic to Roy St - Viaduct Replacement (King) 809936E	<b>Construction: schedule delay</b>

<b>No Changes from Prior Month</b>	
<b>Project</b>	<b>Phase/Issue</b>

SR 161/24th St E to Jovita - Add Lanes (Pierce) 316118A	<b>Construction: potential cost increase</b>
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<b>Removed in March 2016</b>	
<b>Project</b>	<b>Phase/Issue</b>
I-5/NB Spokane St to Lake WA Ship Canal Bridge - Special Bridge Repair (King) 100522C	<b>Design: element change, cost increase</b>
US 195/N Fork Palouse River Bridge - Special Repair (Whitman) 619503M <i>Related Projects:</i> <ul style="list-style-type: none"> <li>• SR 26/N Fork Palouse River Bridge - Special Repair (Whitman) 602613F</li> <li>• US 195/N Fork Palouse River Bridge - Replace Rail (Whitman) 619503L</li> </ul>	<b>Design: schedule delay</b>

## Project Detail

Below is the detail behind the above summary.

## New in March 2016

SR 3/Belfair Area - Widening and Safety Improvements (Mason)

**Issue: Due to excessive rainfall and a higher than expected water table, three detention ponds on this project flooded over. The ponds are currently being re-designed, which may increase the cost and delay the project.**

This project addresses traffic congestion, safety, and the need for pedestrian facilities from SR 106 to NE Belfair Street. These roadway improvements include the continuation of the existing two-way left turn lane from the vicinity of the intersection of SR 3 and Romance Hill Road to the intersection of SR 3 and SR 106. Other improvements include pedestrian and bicycle facilities, storm sewer improvements, and

mitigation requirements. When complete, this project will relieve congestion and enhance motorist safety.

Higher than normal rainfall caused the water table to rise, which caused three newly installed detention ponds to fail. The rise in the high water table meant that the water flowed into the ponds from underneath, raising the pond liner and causing the walls of the ponds to blow out. The ponds are being re-designed to address the high water table, and to keep them within the right of way.

WSDOT is working on a cost estimate and will also determine whether the re-design will cause a delay to the operationally complete date.

#### I-5/NB Spokane St to Lake WA Ship Canal Bridge - Special Bridge Repair (King)

**Issue: Advanced the replacement of 31 expansion joints and increased the cost estimate by \$3.9 million. This project is being reported and removed from this list.**

The special bridge repair on I-5 at the south and north ends of the I-5 NB Lanes Viaduct Structure, near the Mercer Street on ramp, has expansion joints that have deteriorated and outlived their useful lifespan. This project replaces the expansion joints between the concrete pavement panels and the south approach slabs of Galer-Lakeview Bridge and Express Galer-Lakeview Bridge on northbound I-5 east of Lake Union. The project's cost was estimated at \$271,000.

Due to recent expansion joint failures, the agency began looking for opportunities to reduce delays to the traveling public and gain construction efficiencies. As a result, 31 expansion joints on 7 bridges on I-5 near this project were identified as needing replacement and were added to this project. The additional work expanded the project limits by 5 miles and increased the cost estimate by \$3.9 million, from \$271,000 to \$4.2 million. This work can be accomplished within the project's original schedule and is on track to be advertised in fall 2016 and operationally complete in fall 2018.

#### SR 112/Nordstrom Creek - Remove Fish Barrier (Clallam)

**Issue: A delay with acquiring a temporary construction easement has delayed the advertisement and may delay the construction to 2017.**

The existing culvert under State Route 112 at Nordstrom Creek is a fish barrier. This project will replace the culvert with a fish passable structure, which will make the stream more maneuverable for salmon that spawn in the creek, extending usable habitat.

Advertisement has been delayed from March 2016 to April 2016 due to delays with acquiring a temporary construction easement. Permit restrictions for in-water work to

replace the culvert keeps the advertisement date at risk and may delay the construction by one year, from 2016 to 2017.

#### US 195/N Fork Palouse River Bridge - Special Repair (Whitman)

##### *Related Projects:*

- SR 26/N Fork Palouse River Bridge - Special Repair (Whitman)
- US 195/N Fork Palouse River Bridge - Replace Rail (Whitman)

**Issue: The concrete girder damage on the US 195 Bridge was more extensive, which changed the solution from girder repair to superstructure replacement. This change has delayed the contract one construction season. This project is being reported and removed from this list.**

These projects rehabilitate the SR 26 and US 195 bridges in Colfax. WSDOT will replace the bridge rail and repair the sidewalk on the SR26 bridge, and replace the bridge rail and repair the girder over piers 3 and 4 on the US 195 bridge. These projects are combined into one contract to reduce the impact to the community, and for construction efficiencies. The overall cost estimate for the one contract on the three projects is \$2.7 million.

Following a recent bridge inspection, deterioration on the US 195 bridge concrete girders was more extensive than originally anticipated. The WSDOT Bridge Office reviewed rehabilitation options and recommended a superstructure replacement instead of a rehabilitation option. The superstructure replacement option will increase the estimated cost by \$200,000, and is expected to gain an additional 20 years of service life for the structure.

Additional design time will be needed due to this change. Delays are anticipated for the advertisement date from spring 2016 to spring 2017, and the operationally complete date from fall 2016 to fall 2017. This project is now planned for the 2017 construction season.

## Changes from Prior Month

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

**Changes from Prior Report: Bertha reaches planned maintenance stop.**

*Previously reported:*

*“Suspension for cause” lifted*

WSDOT reported in February that the “suspension for cause” had been lifted; Seattle Tunnel Partners (STP) resumed mining. STP will be permitted to tunnel forward and install approximately 25 concrete tunnel rings. During this time, they must demonstrate implementation of changes to ensure they can safely continue mining. Changes include updated work and quality plans, realignment of key personnel, quality assurance protocols, and restructured daily meetings. Barging activities are still restricted pending submittal of additional documentation. STP is using trucks to remove excavated soil.

*Background: “suspension for cause” applied*

On January 14, WSDOT notified STP that they must "suspend for cause" tunneling operations involving the tunneling machine and the loading of barges. This action was taken in response to two recent safety incidents involving a large sinkhole and a soil-removal barge.

STP’s projected tunnel opening date is May 2018. WSDOT cannot verify any of the dates shown in STP’s schedule.

*Update to the February 2016 report:* WSDOT lifted the “suspension for cause” on February 23, and STP resumed mining. On March 12, Bertha, the SR 99 tunneling machine, reached a planned maintenance stop near Yesler Way. The machine has mined a total of 1,560 feet. STP is planning to spend up to one month inspecting the machine and performing planned maintenance before resuming mining.

(For the complete Watch List report, please see the [July 2014](#) Watch List at the [Project Delivery Reports Archive](#) website.)

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/>

## No Changes from Prior Month

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.)