



WSDOT Projects

I-405 - Renton - Slide Repair and Culvert Replacement

Project Status

December 2007

Tri-State Construction crews have begun work to fix a sinkhole and replace a damaged culvert under I-405 in Renton. The sinkhole and culvert damage was caused by historic rainfall during the Dec. 3 storm.

From Tuesday, Dec. 11 through Friday, Dec. 14, crews may close the right lane of northbound I-405 overnight between SR 167 and SR 169 in Renton for repairs.

Around-the-clock right-lane closures could begin as early as Saturday, Dec. 15 and last up to two weeks while crews complete necessary repairs. WSDOT will keep the right lane open during the morning commute.

We expect construction to take up to eight weeks. The new culvert will prevent a roadway failure in a storm.



Crews will complete repairs to a damaged culvert beneath I-405 in Renton. See [large project map](#).

Project Facts

- During culvert installation Thunder Hills Creek will be diverted using a pumping station and three 24-inch pipes.
- The temporary pipeline will carry the creek along the northbound shoulder of I-405, to Talbot Road, underneath I-405, and into a wetland.
- The temporary pipeline will be 2000 feet long.

Why is WSDOT completing emergency repairs to I-405 in Renton?

On Dec. 3, heavy rainfall overwhelmed a culvert beneath I-405 in Renton. The resulting rush of water created a sinkhole beneath the road surface, resulting in a collapse of a section of the culvert and threatening the stability of this section of the freeway. Crews have made temporary repairs to fix the sinkhole, but permanent repairs must be made to replace the culvert to prevent significant damage to I-405 in the next storm.

Work on the culvert replacement will occur in two stages. First, crews will install a pump and pipe system to divert Thunder Hills Creek away from the damaged culvert. Three 24-inch pipes will carry the creek along the northbound shoulder of I-405, on Talbot Road (SR 515) underneath I-405 and into a wetland. The work along the shoulder will require crews to close the northbound right lane intermittently for up to two weeks.

Once the pipeline is installed, crews will then use a hydraulic jack to install a new culvert underneath I-405. This work will take up to six weeks, and will require overnight lane closures.

The End Result

We expect construction to last up to eight weeks. The new culvert will prevent a roadway failure in a storm.

Project Benefits

Safety: The repairs will stabilize the road for drivers and will protect against future flood damage that could threaten the stability of I-405.

What is the project timeline?

Crews expect to begin repairs as soon as Dec. 11. Repairs will take approximately eight weeks to complete.

Public Involvement

Your thoughts and opinions are important to us. For more details about the project, contact WSDOT Project Engineer Lisa Hodgson at hodgsol@wsdot.wa.gov.

Environmental Protection

As we design and build the repairs, we will take steps to minimize the effect on the environment. Please visit the [WSDOT Environmental Services Web site](#) for more information.

Increasing safety is one of our priorities

Repairing this stretch of highway will ensure that the road remains safe for drivers well into the future. Replacing the I-culvert beneath the road surface will protect against future damage from floods.

Will this project impact tribal resources?

At WSDOT we seek to address the concerns of the tribal nations using the process outlined in Section 106 of [The National Historic Preservation Act](#) and the WSDOT Tribal Consultation Policy adopted in 2003 by the Transportation Commission as part of the WSDOT [Centennial Accord Plan](#).

Financial Information

The repairs will cost at least \$5 million.

How can I get more information?**Contact:**

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