

I-5 Seismic Retrofit Project

SW Hood Avenue Bridge



Project Summary

The Oregon Department of Transportation (ODOT) is beginning construction on a seismic retrofit project for bridges along the Interstate 5 corridor in the Portland metropolitan area. The I-5 Bridge over SW Hood Avenue is one of five bridges between Portland's South Waterfront district and the Tualatin River to comprise the initial package of work. Construction on the whole project will begin in March 2014 and end in fall 2015 with work on this bridge wrapping up March 2015.

ODOT's initiative to retrofit the state's older bridges to meet modern seismic specifications will help I-5 remain passable in the event Oregon experiences a powerful earthquake. The sites selected to receive improvements represent the first phase of an expected multi-phase program to improve the seismic sufficiency of bridges throughout the region and state.

Key Elements of the SW Hood Avenue Bridge Project

- Strengthen bridge columns with in-fill walls and enlarge pier wall footings.
- Install lighting fixtures and ornamental security fencing.

Anticipated Traffic Impacts

- Alternating closure of one of the two travel lanes on SW Hood Avenue under I-5, around the clock.
- Vehicles will be unable to continue straight (east) onto SW Bancroft Street from SW Hood Avenue during construction. The existing traffic signal, at this location will not be operational.
- A fully signed detour route will be in place during the construction phase, which will last approximately 12 months. A temporary detour is necessary to manage traffic volumes in a dense urban environment with lane closures on SW Hood Avenue.
- Permit free flowing left turn onto SW Macadam Avenue northbound from SW Hood Avenue.

Project Location

The bridge is located on I-5 over SW Hood Avenue in Portland's South Waterfront district. Work will be taking place entirely underneath the bridge on SW Hood Avenue.

Project Hotline Number

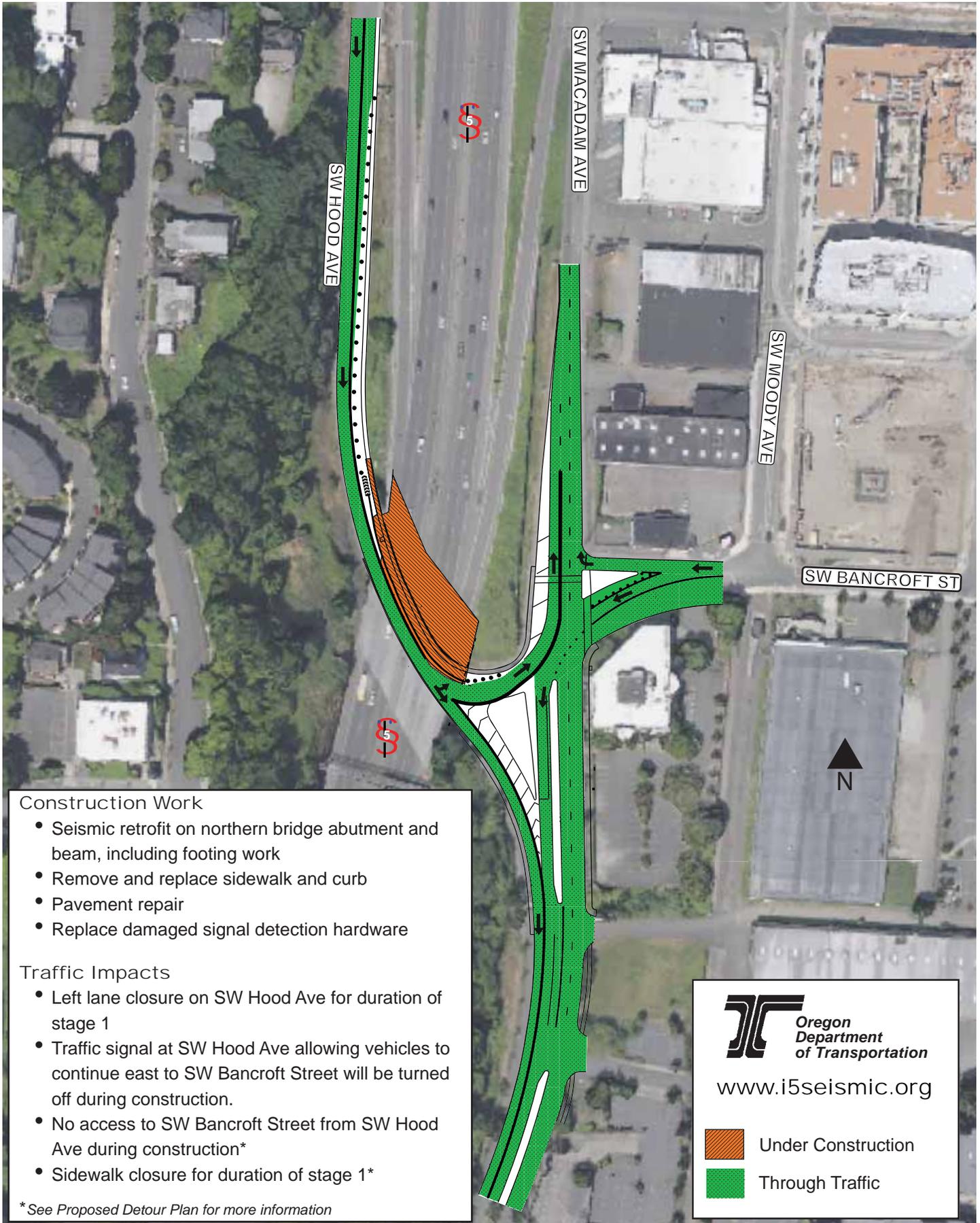
ODOT has received a noise variance from the City of Portland to allow nighttime construction work. To ensure minimal nighttime-noise impacts to the community, a 24-hour, 7 day a week hotline has been activated for the duration of the project.

Please call the ODOT noise hotline number at 503-412-2378 should any noise concerns arise. Your patience and understanding as we work to provide a sustainable and reliable transportation network is greatly appreciated.



SW Hood Avenue Construction Stage 1

Construction Begins: March 2014 Anticipated Duration: Approx. 6 Months



Construction Work

- Seismic retrofit on northern bridge abutment and beam, including footing work
- Remove and replace sidewalk and curb
- Pavement repair
- Replace damaged signal detection hardware

Traffic Impacts

- Left lane closure on SW Hood Ave for duration of stage 1
- Traffic signal at SW Hood Ave allowing vehicles to continue east to SW Bancroft Street will be turned off during construction.
- No access to SW Bancroft Street from SW Hood Ave during construction*
- Sidewalk closure for duration of stage 1*

* See Proposed Detour Plan for more information

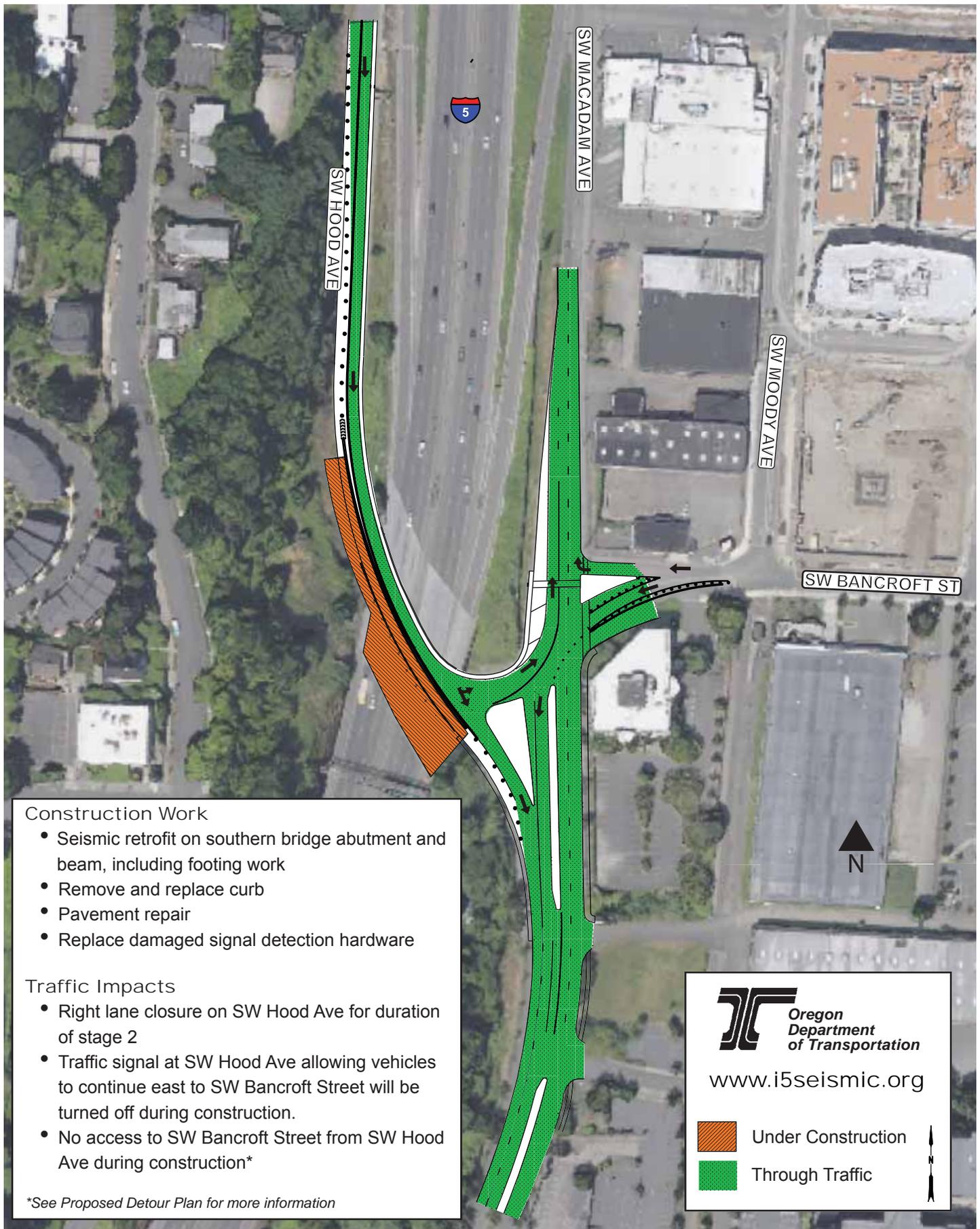


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-  Under Construction
-  Through Traffic

SW Hood Avenue Construction Stage 2

Construction Begins: Summer/Fall 2014 **Anticipated Duration:** Approx. 6 Months



Construction Work

- Seismic retrofit on southern bridge abutment and beam, including footing work
- Remove and replace curb
- Pavement repair
- Replace damaged signal detection hardware

Traffic Impacts

- Right lane closure on SW Hood Ave for duration of stage 2
- Traffic signal at SW Hood Ave allowing vehicles to continue east to SW Bancroft Street will be turned off during construction.
- No access to SW Bancroft Street from SW Hood Ave during construction*

*See Proposed Detour Plan for more information



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-  Under Construction
-  Through Traffic



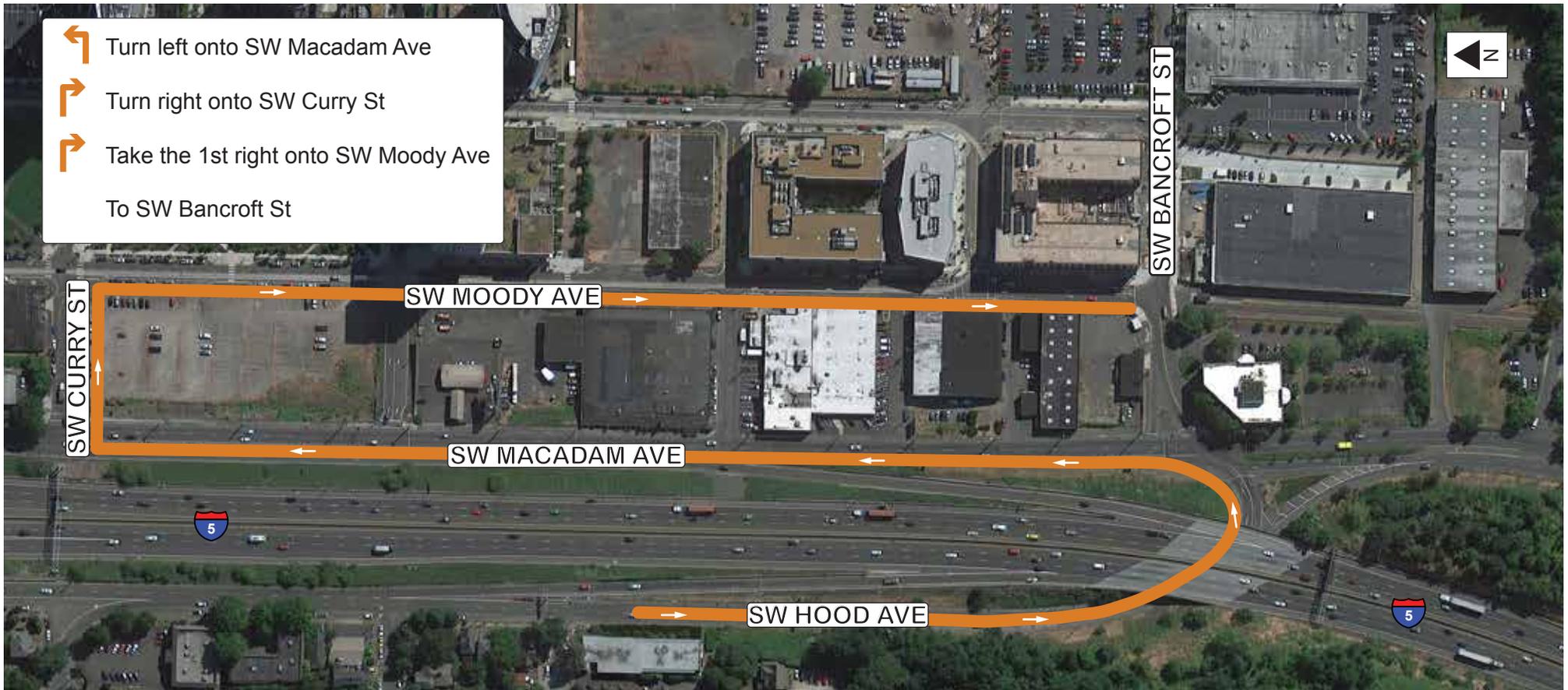
I-5 Seismic Retrofit Project - Detour Plan

SW Hood Avenue Bridge

This detour will be fully signed for the duration of construction.

To access SW Bancroft Street from SW Hood Avenue:*

Due to the removal and replacement of the sidewalk and curb during stage 1 of the construction work, pedestrians are encouraged to use the Hooley/Gibbs Street pedestrian bridge in order to access SW Macadam Avenue.**



* The detour route will be in place for the duration of the construction work. Motorists traveling southbound on SW Hood Avenue will be able to access the I-5 southbound on-ramp. Construction is anticipated to occur March 2014 to March 2015

** The sidewalk will reopen at the completion of stage I work; however, bicyclists and pedestrians are encouraged to continue using the stage I detour route until all construction work is complete.

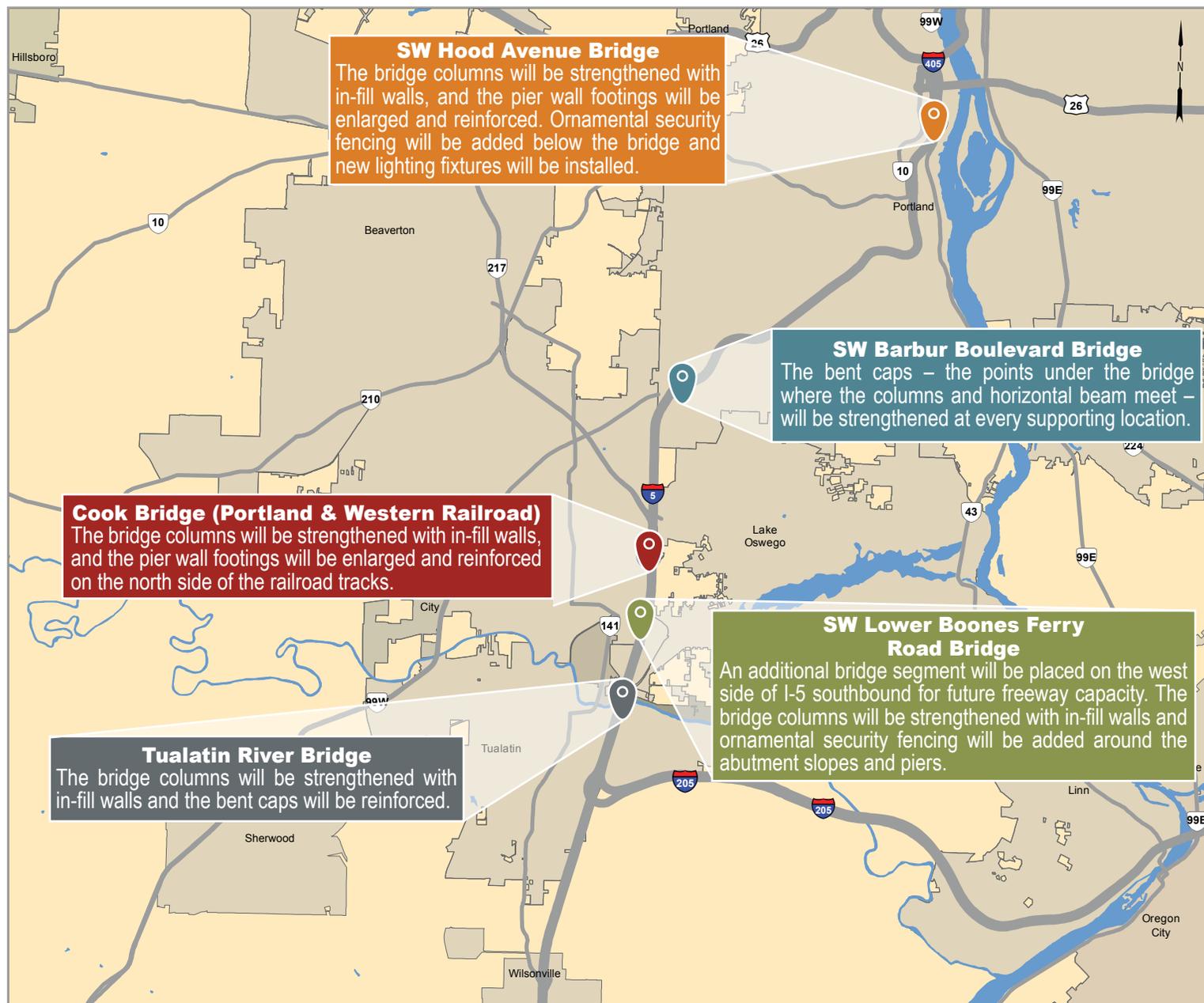


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Why Seismic Retrofitting?

According to research conducted by the Oregon Department of Geology and Mineral Industries, there is a 40 percent chance that an earthquake similar to the 2011 Tohoku Earthquake in Japan will take place along the Oregon coast sometime in the next 50 years. In response to these findings, ODOT conducted a seismic vulnerability study of the state highway bridges to assess the risks to Oregon's only north-south interstate highway. Only a small portion of I-5 would remain passable if the state suffered a substantial seismic event; most of the older bridges would either collapse or experience severe damage and become impassable without major and very costly repair work. The seismic retrofit project will strengthen bridges and give them the ability to withstand a major earthquake. Construction will take place March 2014 to Fall 2015.



For more information or to sign-up for electronic updates, contact:

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