

# Alaskan Way Viaduct **REPLACEMENT** PROGRAM

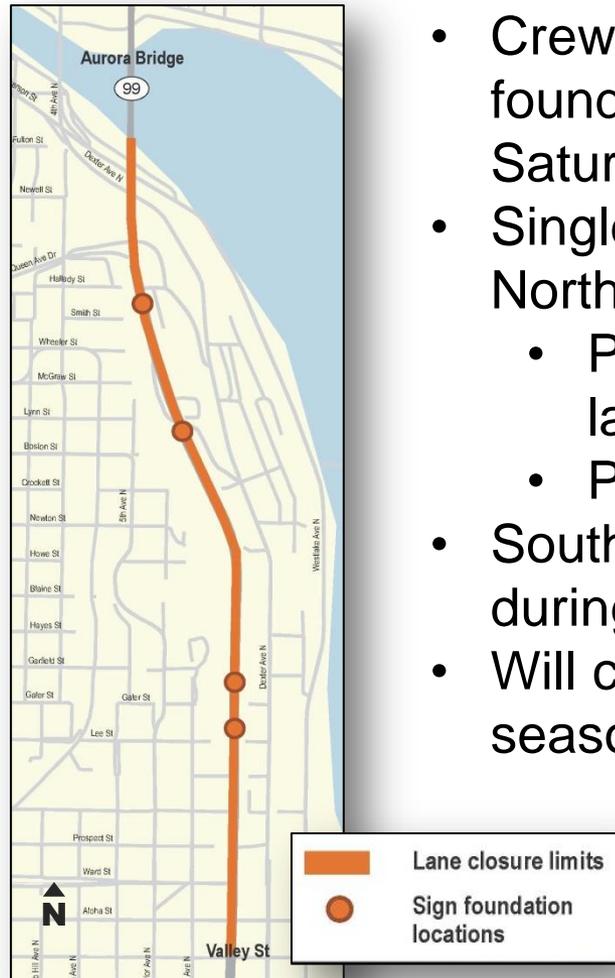


Seattle City Council  
Feb. 9, 2015

# Today's **Agenda**



- Aurora Avenue North lane closures
- SR 99 Tunnel Project update
- Settlement update, ongoing monitoring



- Crews will use lane closures to install large foundations for four sign structures starting Saturday, March 7.
- Single-lane closures on SR 99 / Aurora Avenue North between Valley Street and the Aurora Bridge.
  - Phase 1: One southbound and one northbound lane closed.
  - Phase 2: One southbound lane closed.
- Southbound bus-only lane restriction will be lifted during work.
- Will complete work prior to busy summer event season.

*Lane closures on*

# **Aurora Avenue North**



Access pit excavation completed  
Jan. 30, 2015

OxBlue®

*Repairing*

# **BERTHA**

*Installing cradle beam  
supports in the access pit  
Feb. 3, 2015*



*Repairing*

**BERTHA**



*Modular lift tower, Jan. 20, 2015*

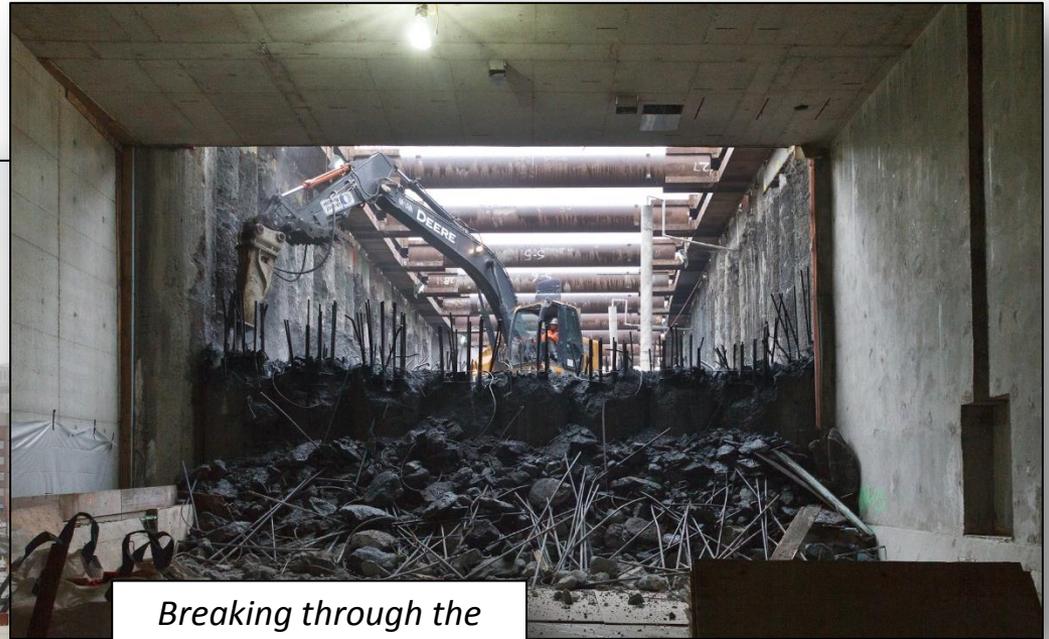
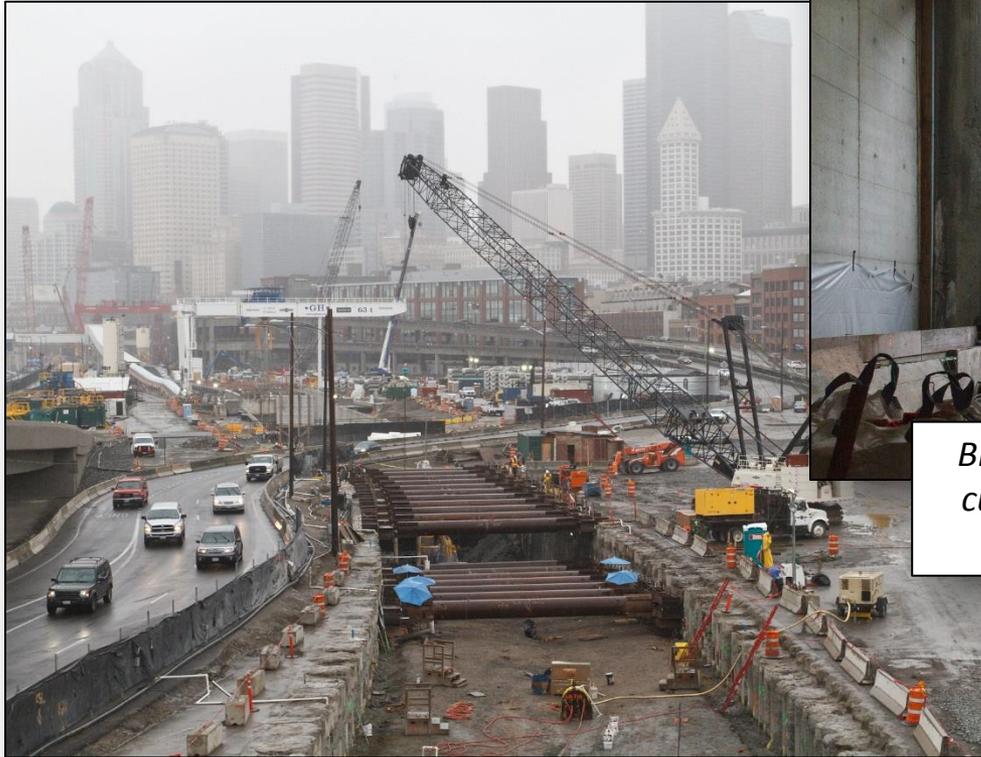
Repairing **BERTHA**



*Forming and pouring the southbound roadway (top) deck.*

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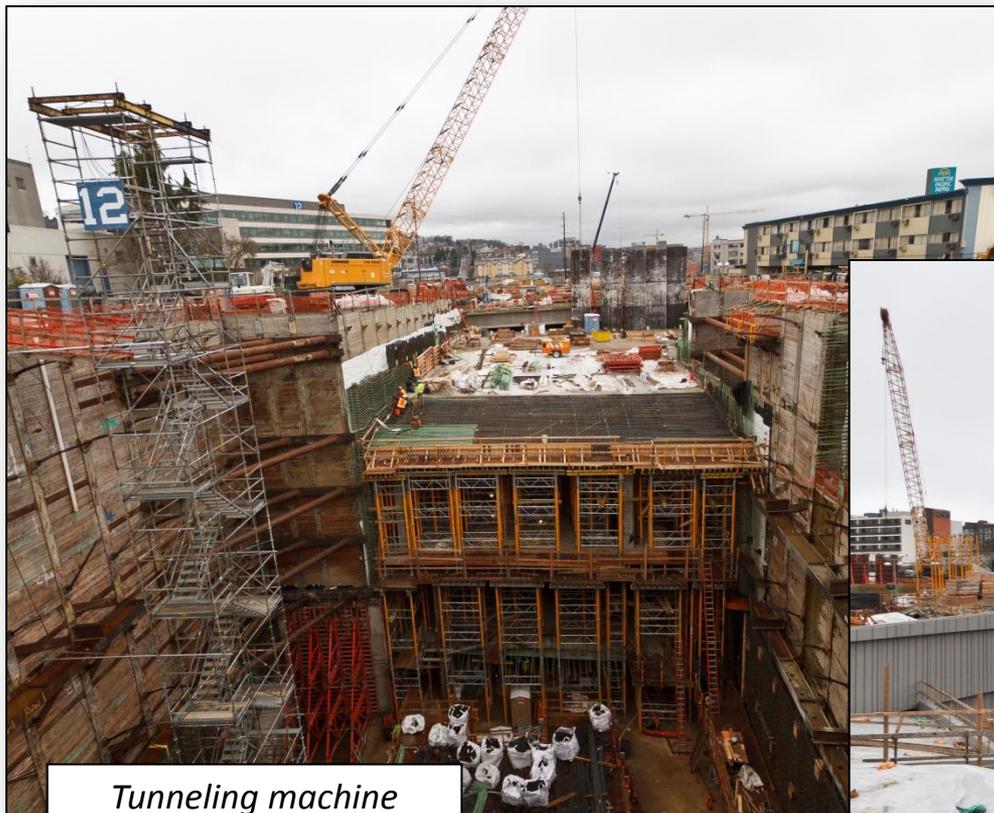
*Building the*  
**ROADWAY**



*Breaking through the  
cut-and-cover tunnel  
February 2015*

**Cut-and-cover**

**TUNNEL**



*Tunneling machine  
receiving pit, January  
2015*

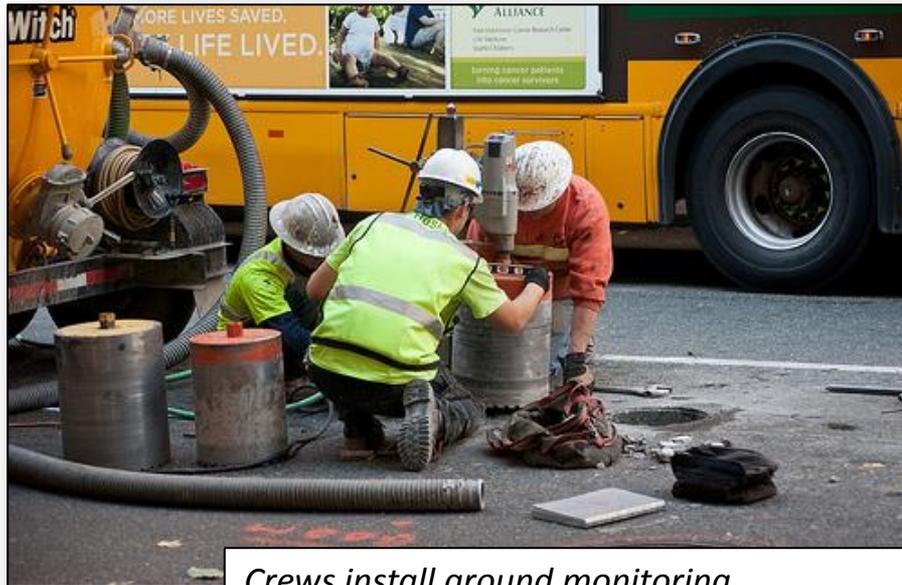


*Entrance to tunnel,  
January 2015*

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*Building the*  
**NORTH PORTAL**

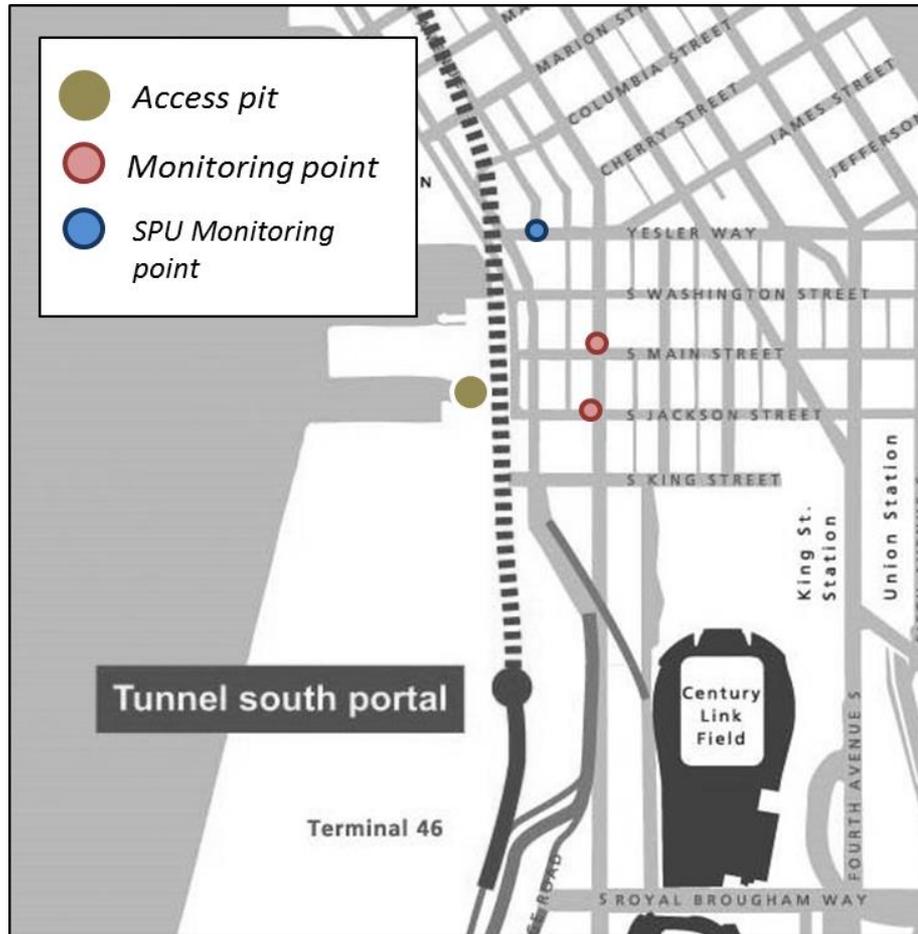
- Ground settlement in the Pioneer Square area remains stable.
- Coordinating property condition surveys with property owners.
- Continue to monitor buildings, viaduct and ground regularly.



*Crews install ground monitoring instruments along the SR 99 tunnel route.*

**EXPANDED**

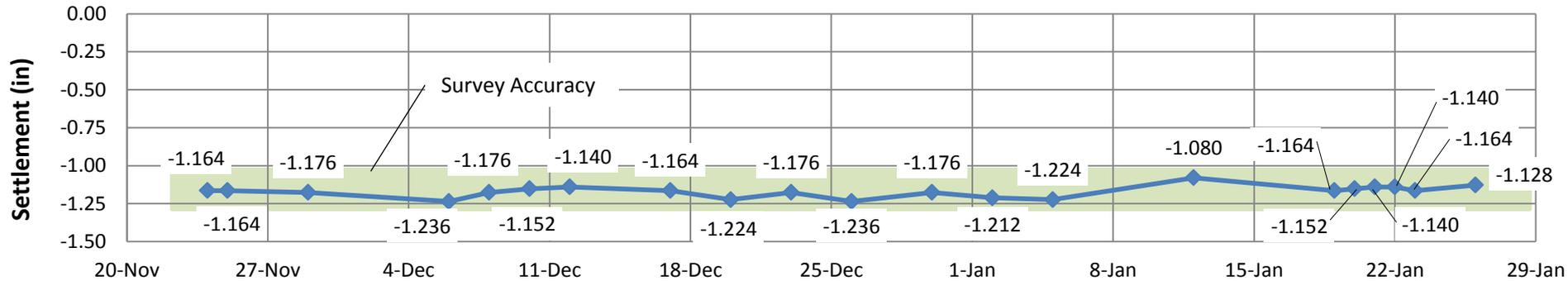
**MONITORING**



*Settlement*

# MONITORING

## South Jackson Street and First Avenue South (Secondary surface survey control point– JACK)

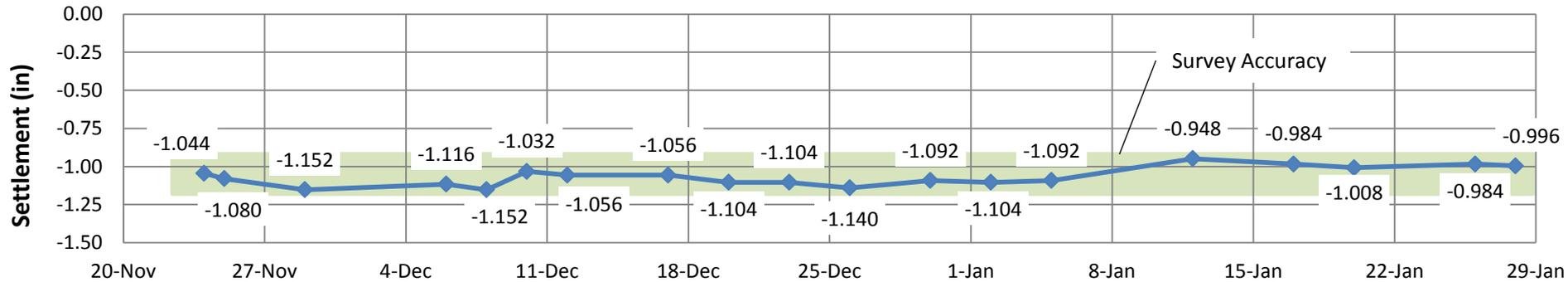


- All readings shown are based on STP survey data.
- The blue points represent the net change in elevation detected at a single reading as compared to original baseline elevation.
- Three survey teams are collecting and analyzing data: WSDOT, STP and the City of Seattle. These teams have determined that select survey control points require revised elevations to be established using the regional survey control network.

**Settlement**

# MONITORING

## South Main Street and First Avenue South (Secondary Surface Survey Control Point – MAIN)



- All readings shown are based on STP survey data.
- The blue points represent the net change in elevation detected at a single reading as compared to original baseline elevation.
- Three survey teams are collecting and analyzing data: WSDOT, STP and the City of Seattle. These teams have determined that select survey control points require revised elevations to be established using the regional survey control network.

**Settlement**

**MONITORING**

# How to **REACH US**



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