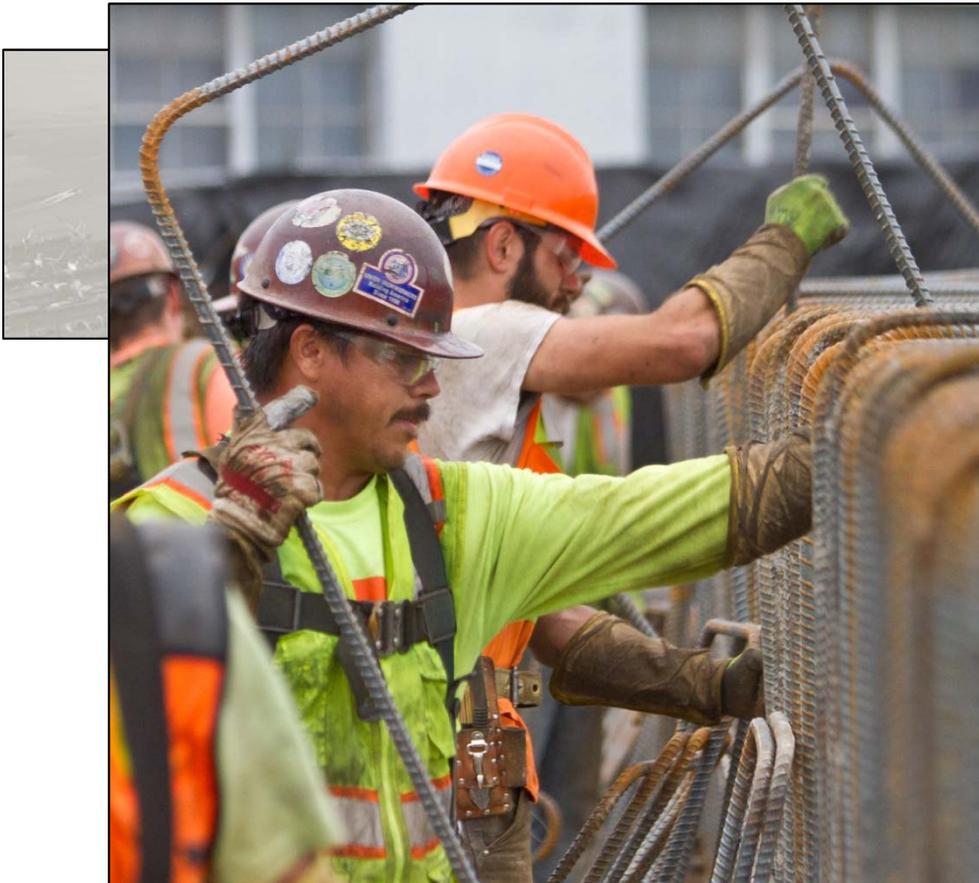


Alaskan Way Viaduct **REPLACEMENT** PROGRAM



City Council Presentation
Sept. 29, 2014

Today's Agenda



- STP repair plan
- Tunnel portal construction
- Tunnel roadway construction
- Contracting update
- Virtual tunnel tour



Assembled 300-ton crawler crane that will be used to build the 600-ton crawler crane.

Repairing

BERTHA ³

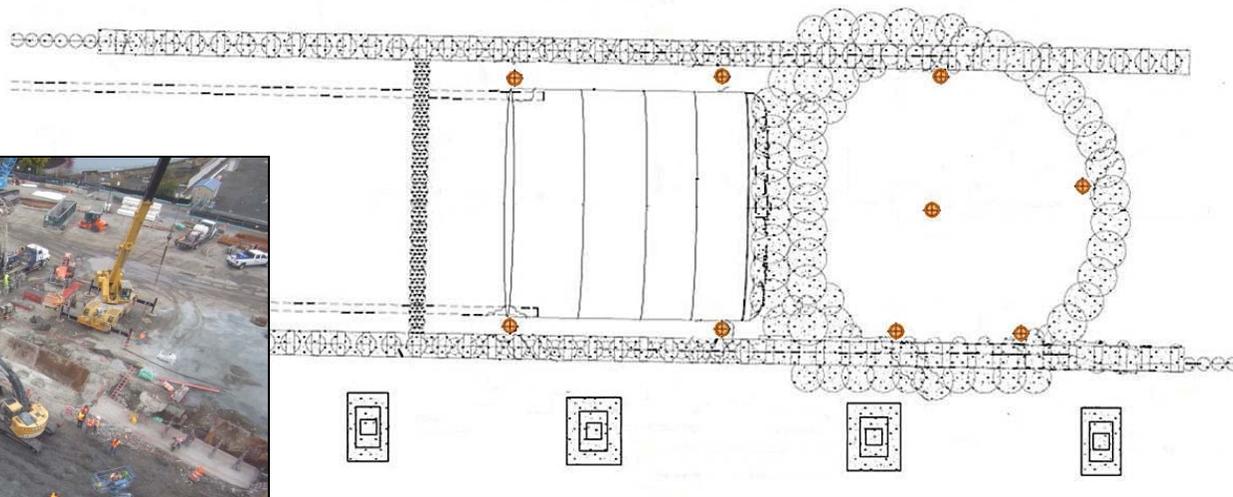
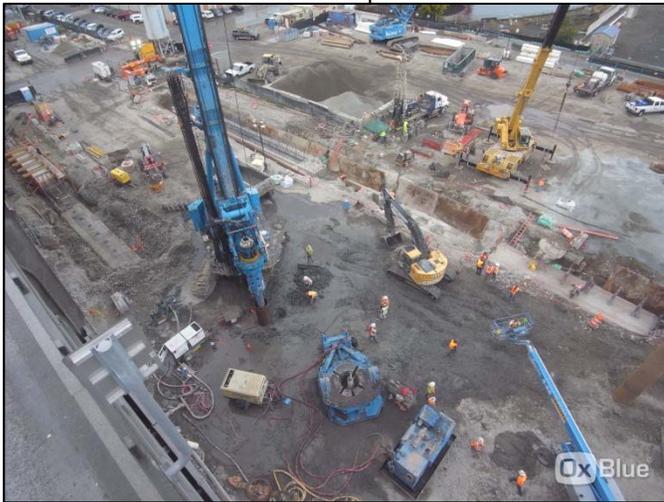


Pieces of the 600-ton crawler crane are arriving on site, allowing crews to start assembly.

Repairing

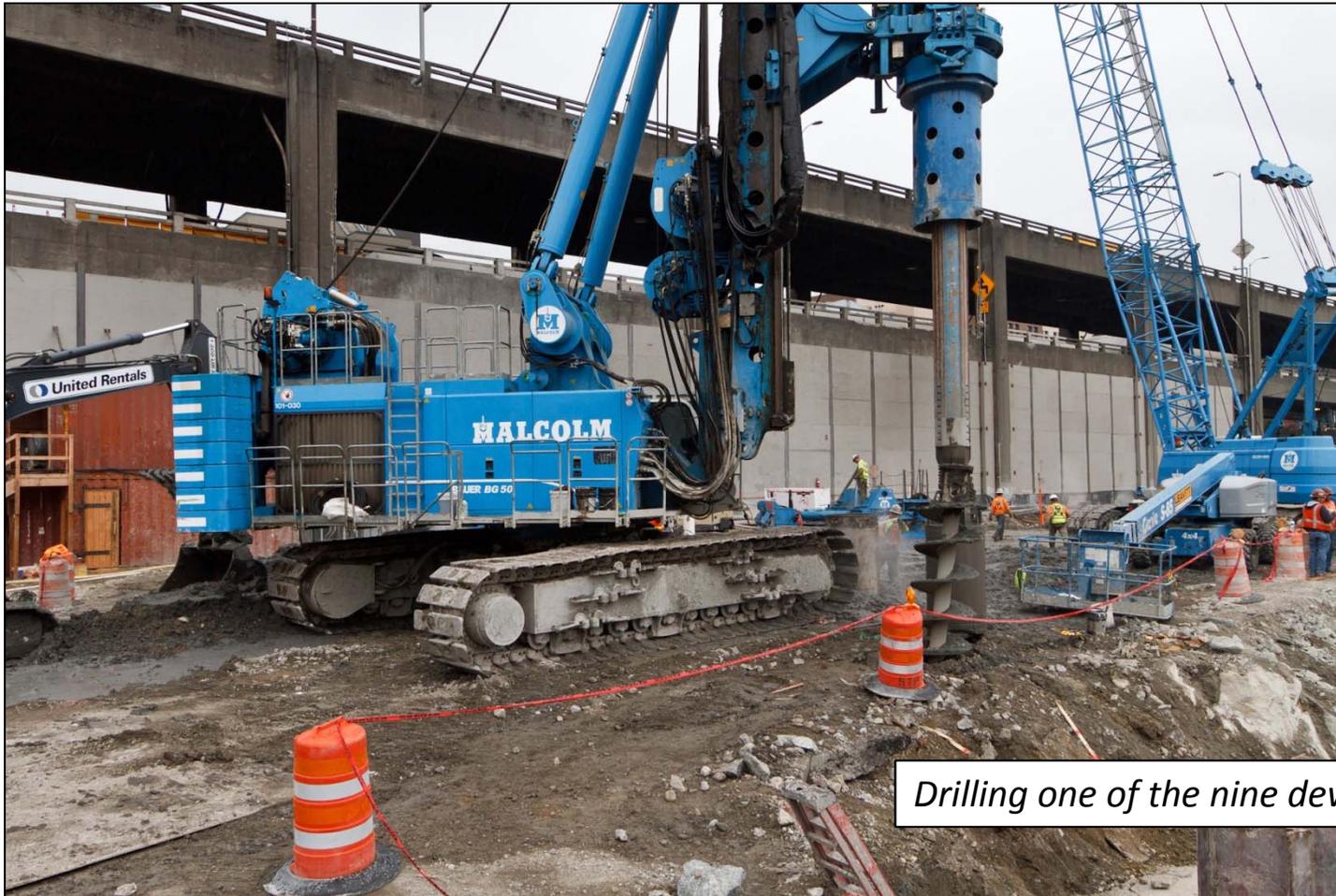
BERTHA ₄

Last week, crews began installing **dewatering wells** for the access pit.



Repairing

BERTHA 5



Drilling one of the nine dewatering wells.

Repairing

BERTHA



Crews working for Hitachi Zosen in Japan assemble the outer seal ring.

Repairing

BERTHA



Crews are building the concrete foundations for the modular lift tower.

Repairing

BERTHA

Earlier this month, STP placed girders at the tunnel's north portal.



Building the NORTH
PORTAL

Girders will support future roadways and infrastructure at the north portal.

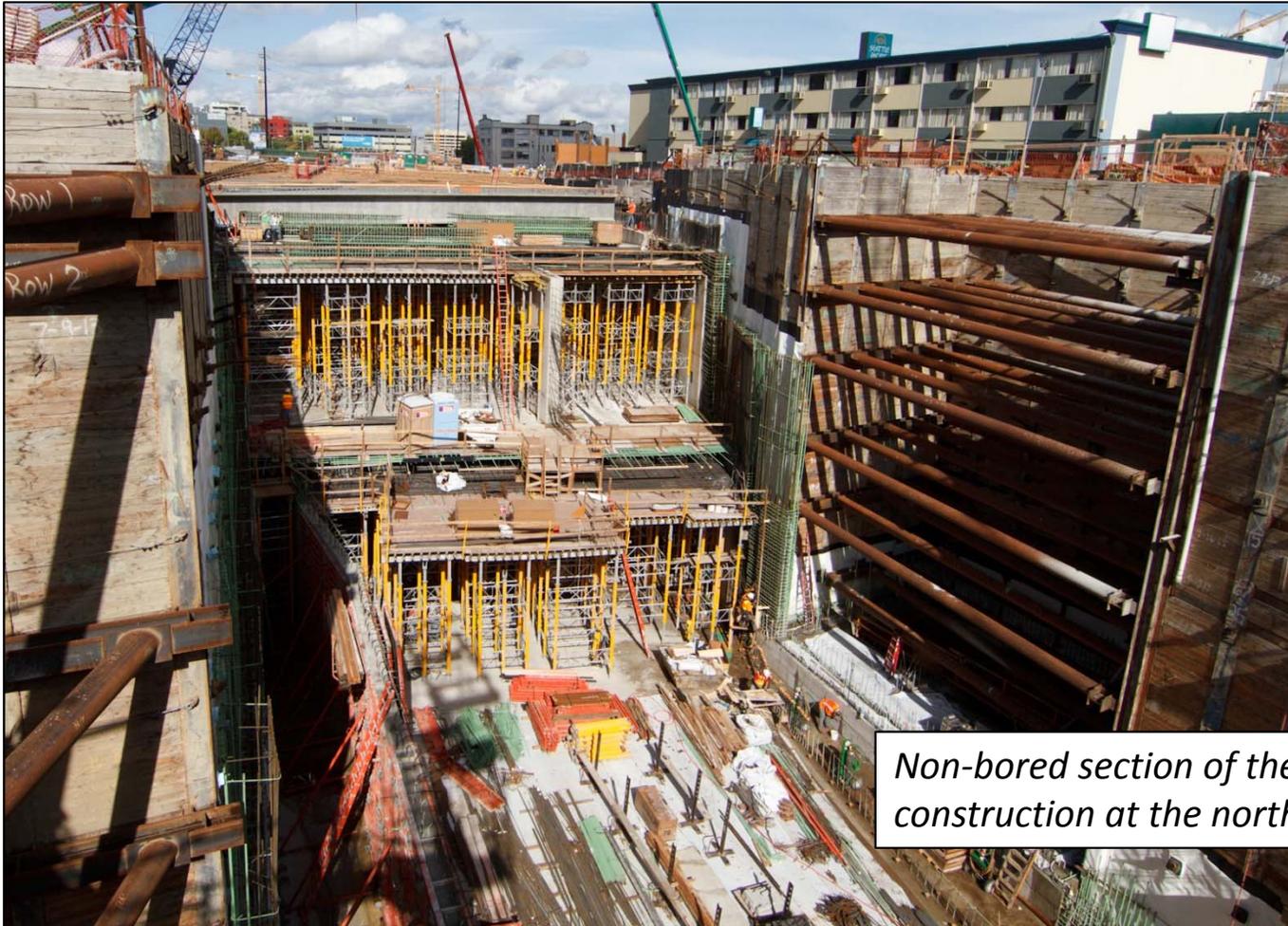


Building the NORTH
PORTAL



Southbound roadway taking shape at the north tunnel portal.

Building the NORTH
PORTAL



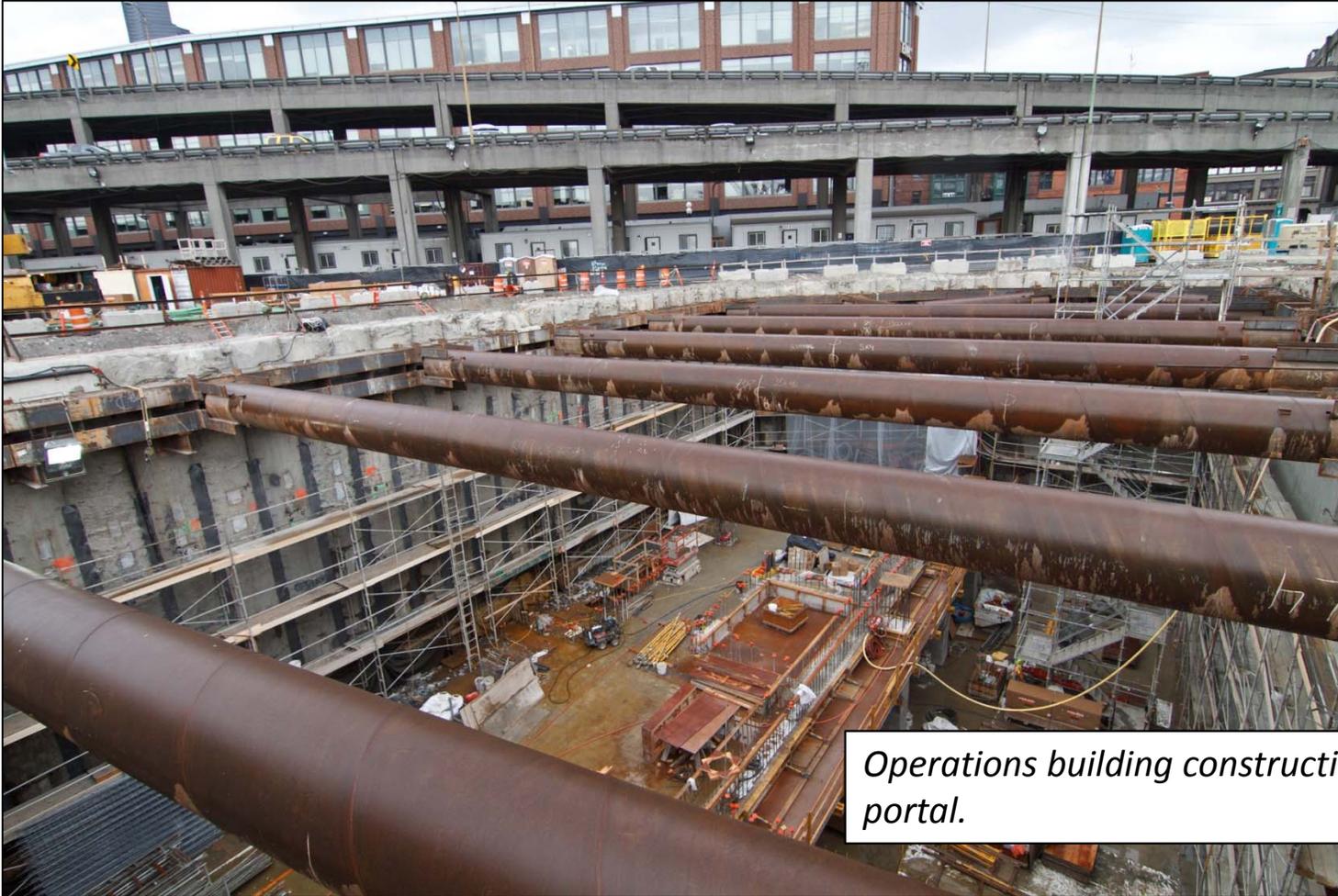
Non-bored section of the tunnel under construction at the north portal.

Building the NORTH
PORTAL



Roadway wall construction in the launch pit at the south portal.

Building the SOUTH
PORTAL



Operations building construction at the south portal.

Building the SOUTH
PORTAL



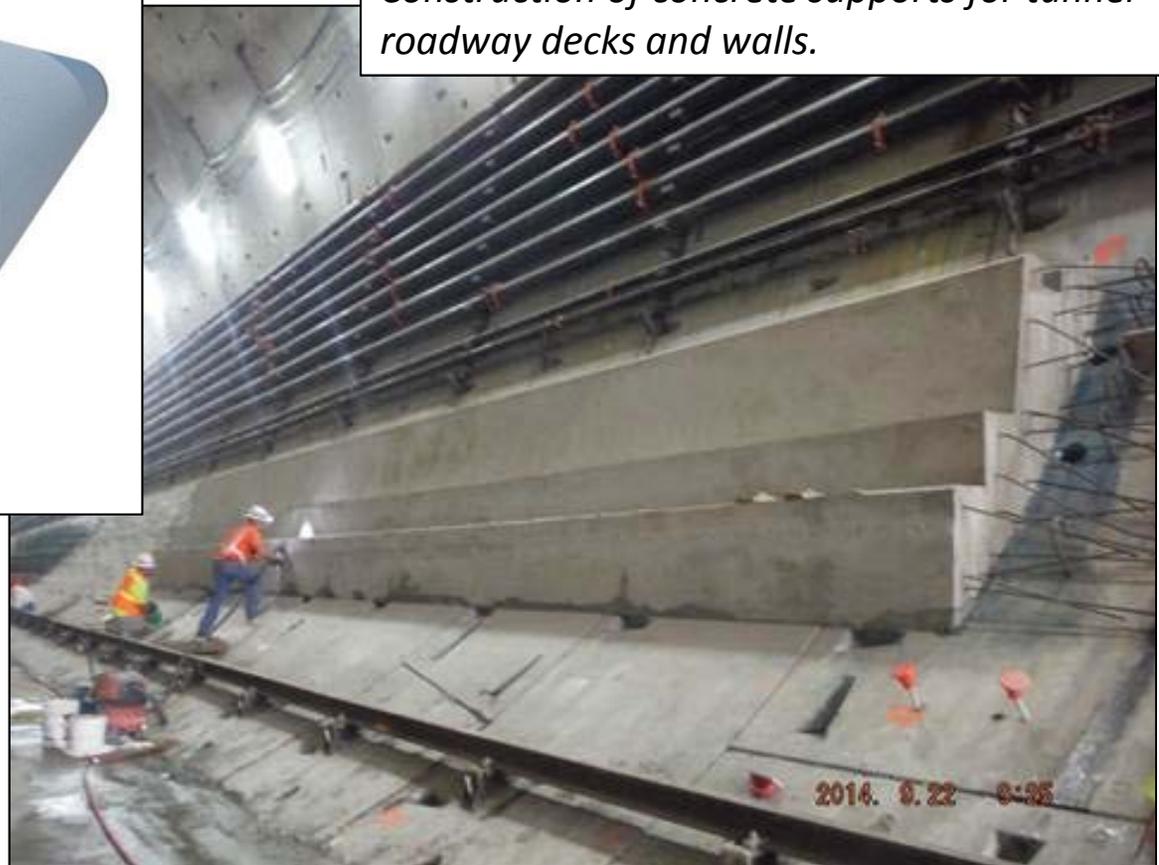
Installing rebar for the foundations that will support the double-deck roadway inside the tunnel.

BUILDING THE HIGHWAY

inside the tunnel



Construction of concrete supports for tunnel roadway decks and walls.



BUILDING THE HIGHWAY

inside the tunnel

Data from contractor reports through July 2014

Project	Construction Duration (est.)	DBE Percentage		Apprentice Hours (15% Goal) Achieved	Training Hours	
		Goal	Achieved		Goal	Achieved
SR 99 Tunnel	Aug. 2011 – Nov. 2016***	8%	3.6%*	10.2%**	50,000	43,583**
North Access	Feb. 2014 – Nov. 2016	11%	1.29%	10.9%	2,800	**

*Based on the base contract amount of \$1,139,700,002

**Currently under review

***Contingent upon STP meeting their proposed schedule

AWV Program

CONTRACTING UPDATE

Alaskan Way Viaduct REPLACEMENT PROGRAM

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Alaskan Way Viaduct REPLACEMENT PROGRAM

Advisories/Updates

Seattle Tunnel Partners progress update: With pile work done, Bertha inches forward
Posted on Sep 9, 2014 12:45 PM

Seattle Tunnel Partners has now installed all 84 underground piles associated with the launch pit for accessing and repairing Bertha, the SR 99 tunneling machine. Last week, crews installed the final of 11 piles that will support the modular lift tower – the large crane that will hoist pieces of the tunneling machine to the surface from a pit that's currently under construction in the ground in front of Bertha. The piles that make up the underground entry of the launch pit were installed in late August.

Now that pile work is complete, crews are installing gravel into the ground to fill in gaps between the piles, and installing additional underground monitoring equipment in preparation for the next phase of construction. Crews are nearly ready to drill wells that will lower groundwater in enclosed areas near the machine. This will make it easier to excavate the access pit and move the tunneling machine into the pit later this fall. Drilling of these wells will begin later this week, and crews expect to complete well installation by mid-September so excavation of the pit can begin.

— MORE —

Program Spotlight

Take a virtual tour of SR 99 tunnel construction
Sep 18, 2014 2:35 PM

Keeping the public informed about our work to replace the Alaskan Way Viaduct is an important part of what we do every day. Our goal is to give you as much access as possible to this amazing project, which is why we regularly post updates, photos and videos of our progress. We even offer walking tours from our information center, Milepost 31, to a viewing platform that overlooks the pit where tunneling began in summer 2013.

Unfortunately, there's one frequently received request... [link]

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SR 99 tunnel virtual tour

Welcome to our virtual tour of the SR 99 Tunnel Project, the next closest thing to taking a stroll through the construction zone. Captured by photographer Bill Edwards, these images give you a first-hand look at the complexity and enormity of this project. Each of the thumbnails below will link you to a different section of the tour. For the best experience, we suggest you try the full-screen view. Please be aware that these images exist on an external website that is not owned or operated by WSDOT.

Tour stops

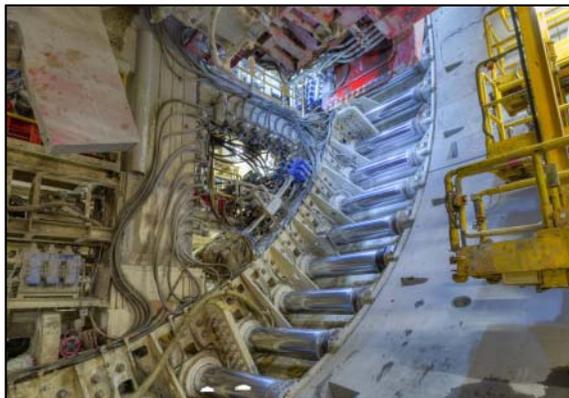
- Stop 1: Above the launch pit**
A 200-degree view from a highway above the tunnel launch pit.
- Stop 2: South cut-and-cover**
A 200-degree view of the cut-and-cover tunnel south of the launch pit.
- Stop 3: Bottom of the launch pit**
A 200-degree view of the bottom of the launch pit.
- Stop 4: Tunnel's northern edge**
A 200-degree view of the tunnel's northernmost edge.
- Stop 5: Below Bertha**
A 200-degree view from below the world's largest tunneling machine.
- Stop 6: Tunnel receiving pit**
A 200-degree view of the west where tunneling will end.
- Stop 7: The tunnel's north portal**
A 200-degree view of the SR 99 tunnel's future north portal.
- Stop 8: North cut-and-cover**
A 200-degree view of the cut-and-cover tunnel at the north portal.
- Stop 9: Operations building**
A 200-degree view of the north portal operations building.

Have questions about what you're seeing?

There's a lot happening in these images, much more than we can highlight in a short caption. If you have questions about anything you see, email us at info@wsdot.wa.gov, tweet [@WSdotWA](https://twitter.com/WSdotWA) or call 1-888-4WV-LINE (299-5463).

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SR 99 tunnel VIRTUAL TOUR

How to REACH US



Milepost Thirty-One

*Our information center,
Milepost 31, is located
at 211 First Ave. S. in
Seattle's Pioneer
Square neighborhood.*

Website:
www.AlaskanWayViaduct.org

Twitter:
[@BerthaDigsSR99](https://twitter.com/BerthaDigsSR99)

Email:
viaduct@wsdot.wa.gov

Hotline:
1-888-AWV-LINE