

Alaskan Way Viaduct **REPLACEMENT** PROGRAM



Stakeholder Group Meeting
Dec. 12, 2013

General Updates

Advisory Committee on Tolling and Traffic Management

- Committee expects to make advisory recommendations in early 2014.
- The recommendations will address the following issues:
 - Toll rate strategy.
 - Use of toll revenue.
 - Potential system improvements to mitigate diversion effects.
 - Ongoing committee participation.
- The committee will meet again on January 14.

Parking Mitigation Update

- 7 garages and more than 2,000 spaces included in the low rate program.
- 10 new retail core garages offering specials for holidays.
- Holiday marketing campaign:
 - Radio.
 - Pandora.
 - Bus exterior and interior.
 - Print media.
 - Online and mobile.



Example of parking promotion postcard.

Alaskan Way Viaduct Replacement Program Update

Tunneling Progress



Looking back towards the launch pit through the rings of the tunnel liner.

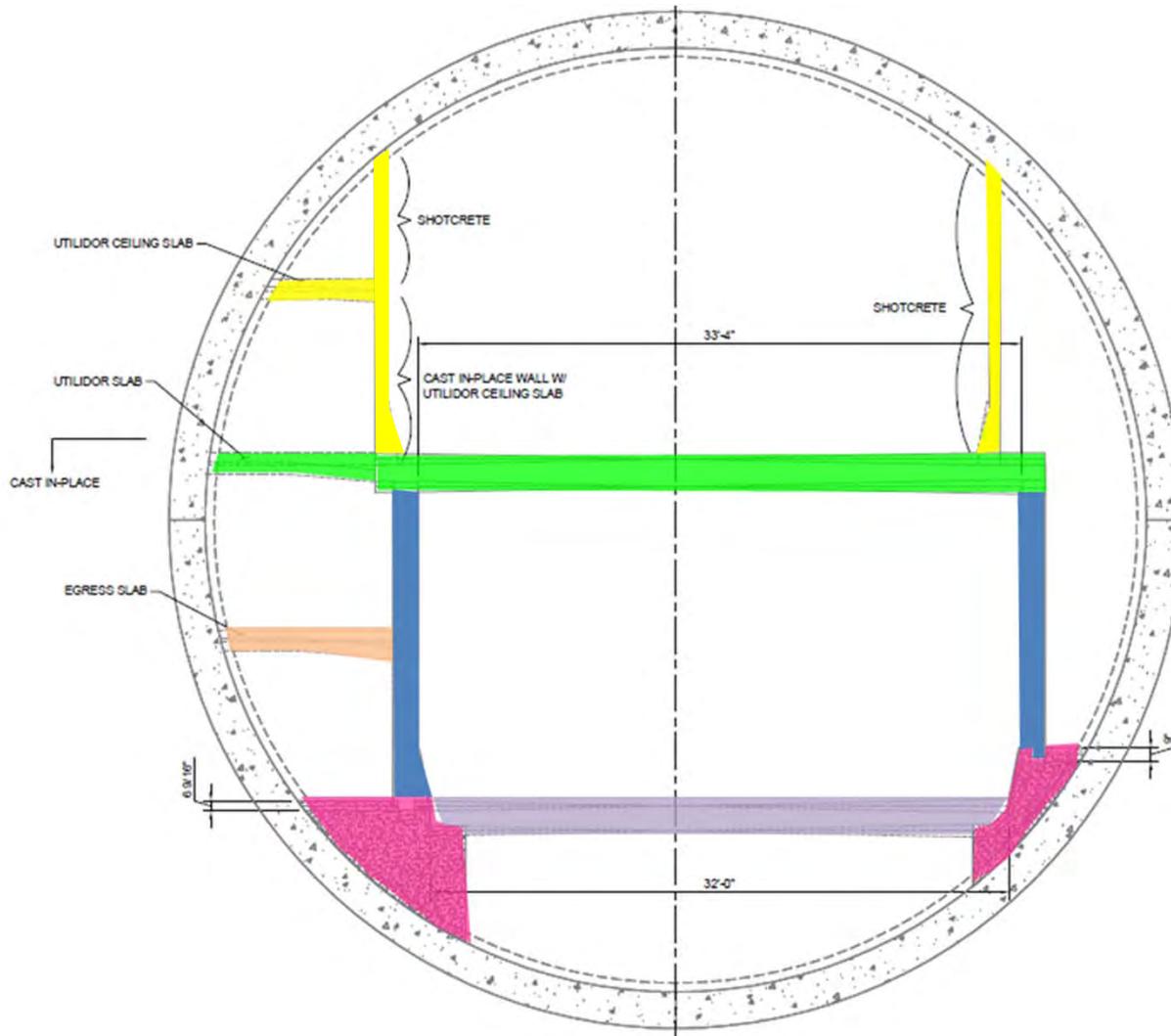
- Bertha has travelled 1,000 feet.
- Located between South Jackson and South main streets.
- 147 rings have been placed so far.

Reconfiguring the Launch Pit



- Remove tunneling machine cradle.
- Remove temporary rings and steel frame.
- Relocate utilities and systems that serve the tunnel and Bertha.
- Connect the south operations building excavation to the launch pit.

Building Interior Structures of the Tunnel

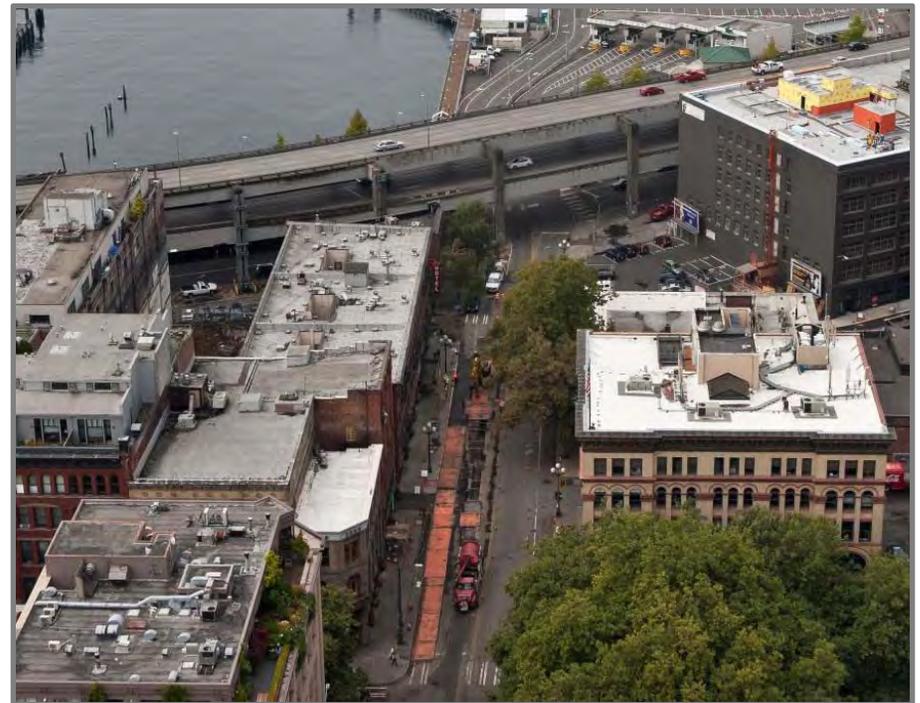


Order of installation

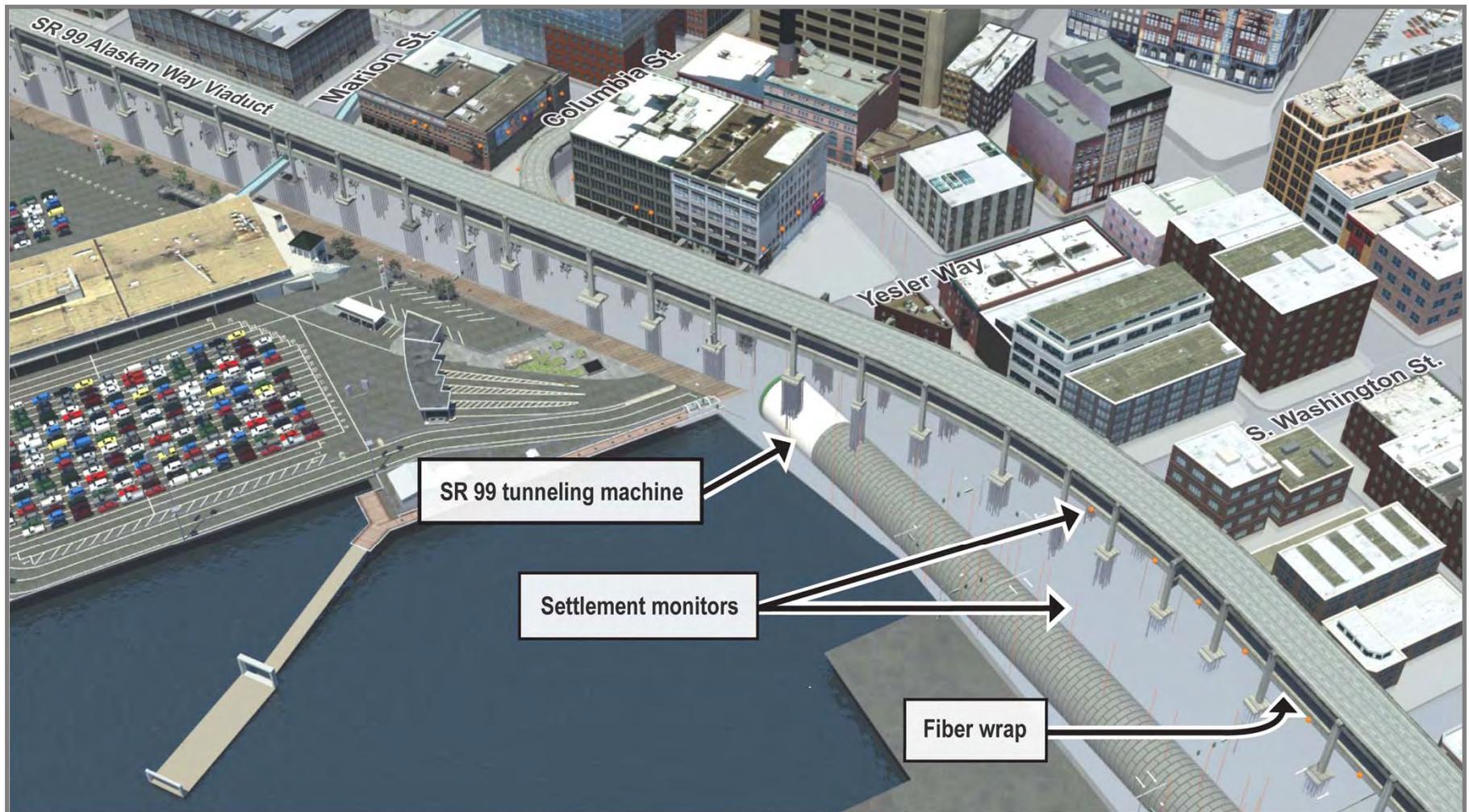
- 1** West and east corbels
- 2** West and east northbound walls
- 3** Intermediate slab
- 4** Utility floor slab; upper southbound slab
- 5** Utility roof slab; west and east southbound walls
- 6** Lower northbound slab

Temporary Winter Viaduct Closure: February 2014

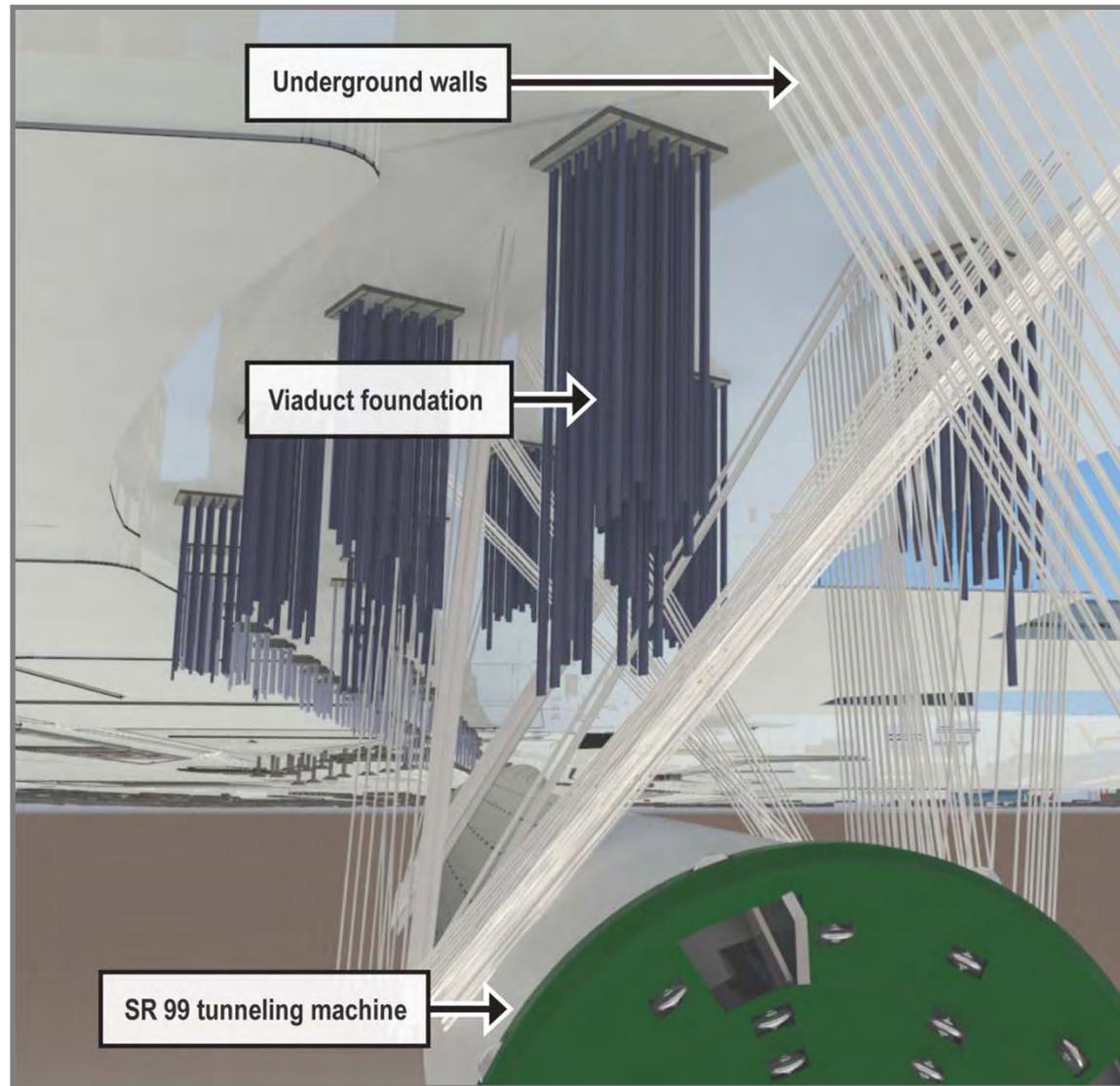
- Timing:
 - The closure will start in February 2014 and remain closed for up to two weeks.
- Limits:
 - Northbound and southbound SR 99 between the Battery Street Tunnel and West Seattle Bridge closed around-the-clock .



Tunneling Under the Viaduct



Tunneling Under the Viaduct



How to Get Around During Viaduct Closure

- Take the bus, water taxi, light rail, train or bike to work.
- Carpool, vanpool or vanshipare.
- Work from home.
- Adjust your work schedule.
- Use alternate routes where possible.
- Plan for delays and added travel time.
- Listen to radio traffic reports and use electronic message boards to get up-to-the minute information.
- Delay or reschedule discretionary trips.



The West Seattle water taxi.

Keeping Traffic Moving During Viaduct Closure

- Enhancing transit and water taxi service.
- Extending hours at WSDOT and SDOT traffic management centers.
- Adding WSDOT incident response teams during peak commute hours.
- Using electronic message boards to provide drivers closure-related and travel time information.



King County



**Washington State
Department of Transportation**



How to Track Bertha's Progress During the Closure

- You can track Bertha's daily progress in the following ways:
 - Twitter: @BerthaDigsSR99
 - Follow Bertha webpage:
www.wsdot.wa.gov/Projects/Viaduct/About/FollowBertha

Viaduct Closure and Metro Reroutes

- Affects 12 bus routes that serve 23,000 riders on routes that use the Viaduct
- Fall 2011 closure: Travel times increased by up to 15-20 minutes
- Buses will likely be rerouted through SODO neighborhood
- More specifics on rerouting and stop information to come in early 2014



South End Construction Overview



- A** South portal cut-and-cover construction
- B** Build South Atlantic Street overpass

North →
● = WSDOT work

South Portal Aerial View



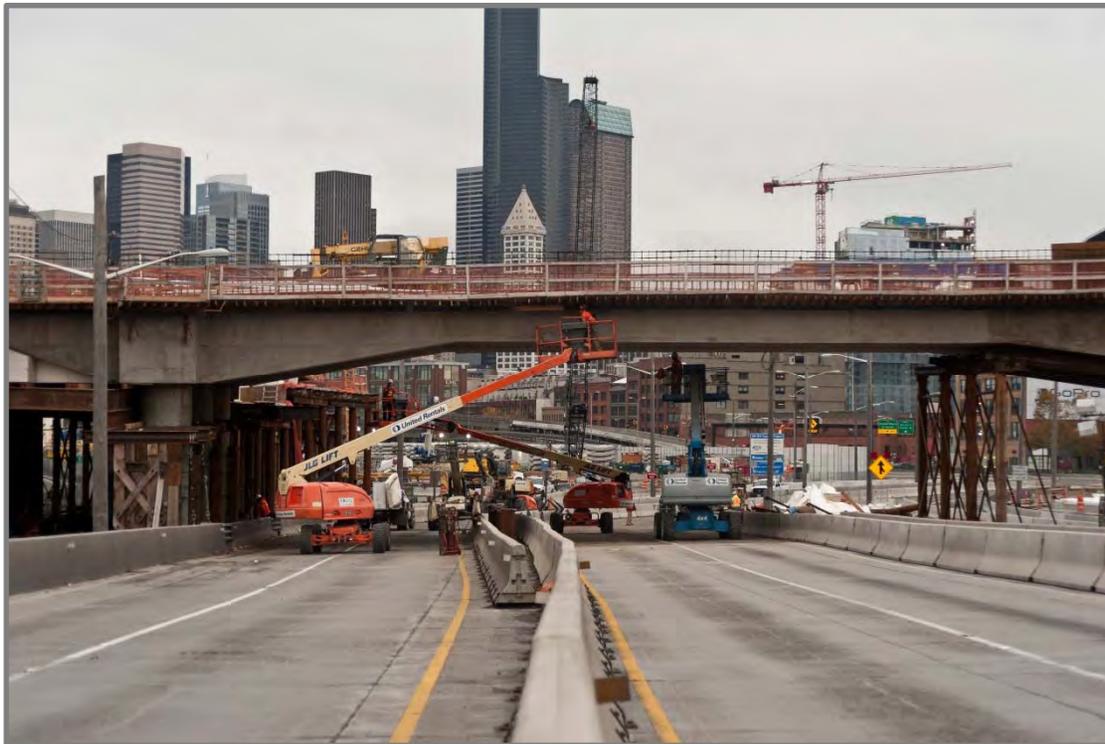
A South Portal Cut-and-Cover Construction



Cut-and-cover northbound deck, Nov. 21, 2013

- Cut-and-cover upper and lower roadway deck placements ongoing through the winter.
- Excavation up to the construction bypass is complete.
- The existing SR 99 construction bypass will be realigned in spring 2014.
- Completion of first section anticipated in summer 2014.

B Build South Atlantic Street Overpass



View of the new overpass after falsework removal, Nov. 10, 2013.

- July 2012 to January 2014.
- Overpass decks complete, crews completing connections to South Atlantic Street and pedestrian barrier.
- On track to open the overpass in early January. Sidewalks will open later in January.

B Building a New Overpass



North End Construction Overview



- A** Build receiving pit for tunneling machine
- B** Building roadway connections between tunnel and surface streets
- C** Mercer West construction

A Build Receiving Pit for Tunneling Machine



- Excavation on-going through this winter.
- Crews have excavated 55 feet at the south end of the pit, and 51 feet at the north end.
- Concrete for the northbound roadway has been poured at the pit's north wall.

*Close-up of receiving pit excavation, looking southwest
Dec. 6, 2013.*

A Build Receiving Pit for Tunneling Machine



Receiving pit excavation, looking southwest Dec. 6, 2013.

A Operations Building Construction



North portal operations building elevator excavation, November 2013.

- Operations building work began this fall.
- Excavation will be 80 feet deep to match the receiving pit.
- Building will be almost 42,000 square feet when complete.



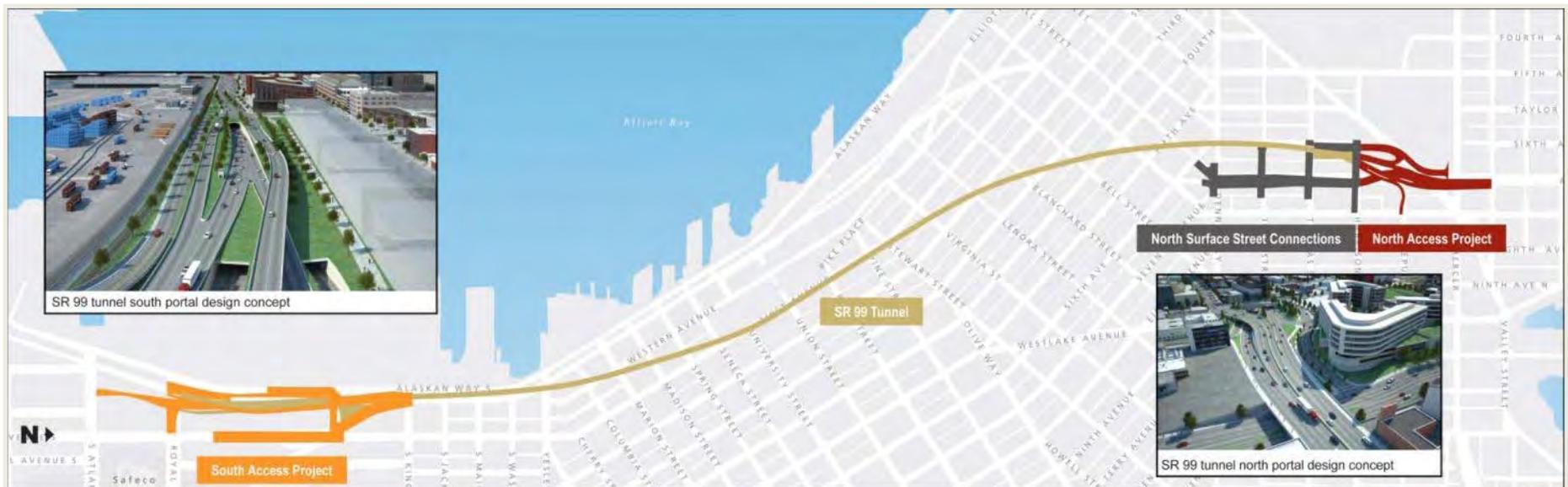
Rendering of the north operations building.

B North Access Project

Contract type: Design-bid-build.

Contract advertisement: Bids were opened on Dec. 11 and apparent low bidder is Walsh Construction.

Construction duration (est.): February 2014 – December 2015.



B Building Roadway Connections

Major scope items:

- Connection between the tunnel's north portal and Aurora Avenue N.
- SR 99 on- and off-ramps at Republican Street.
- Stormwater control, signage and roadway restoration.
- Extension of Sixth Avenue N. between Harrison and Mercer streets.
- Relocate water and sewer lines.

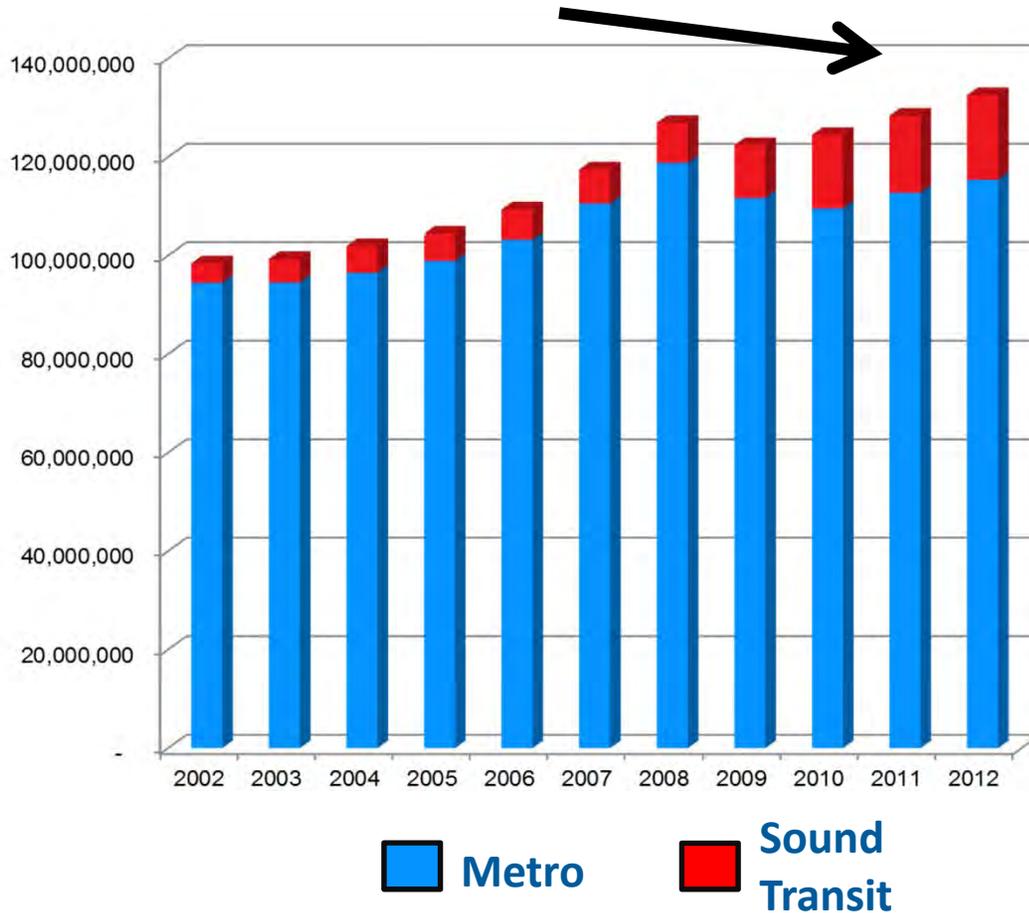


Shaded area indicates project area.

King County Metro Service Change Update

Record ridership for Metro

132.6 million annual rides



Ridership increases on major corridors*

Rapid Ride: 35%

- New BRT Service Design

Alaskan Way Viaduct: 42%

- Major Corridor Construction Impacts

SR 520 services: 40%

- Newly Tolled Corridor

*since 2010

How did we get here?

What happened?



What have we done?



Temporary funding

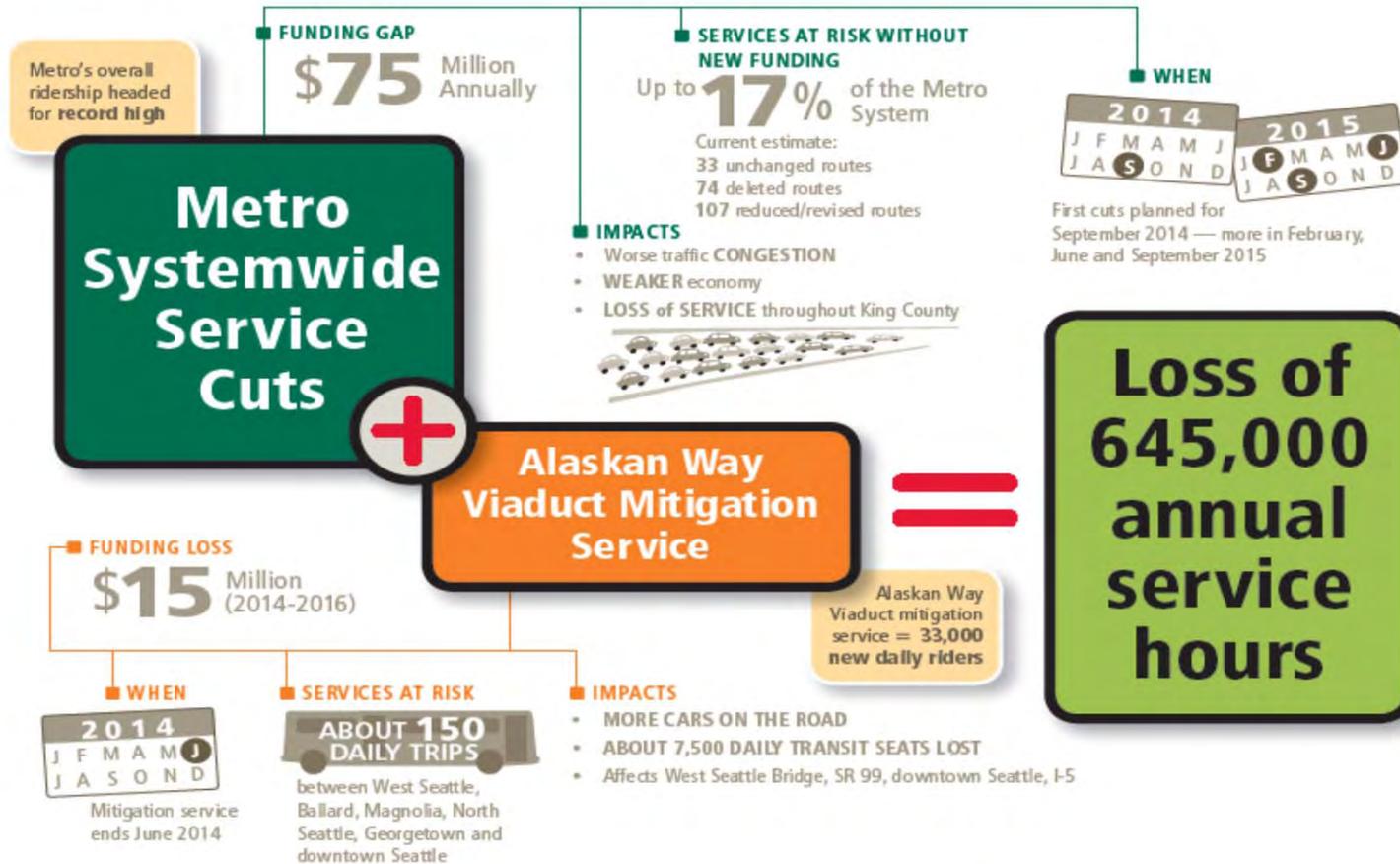
Temporary Congestion Reduction Charge & State Viaduct Funding
expire mid-2014

Budget gap

Budget gap: \$75 million

Financial picture next year

Metro funding gap 2014



Alaskan Way Viaduct – June 2014 reductions

- State viaduct mitigation funding ends June 30, 2014
- Proposed reductions:
 - Delete additional trips currently funded by WSDOT
 - Preserve reliability by reducing lower performing routes in affected areas
 - Total reductions in June 2014 = **45,000 hours of service**



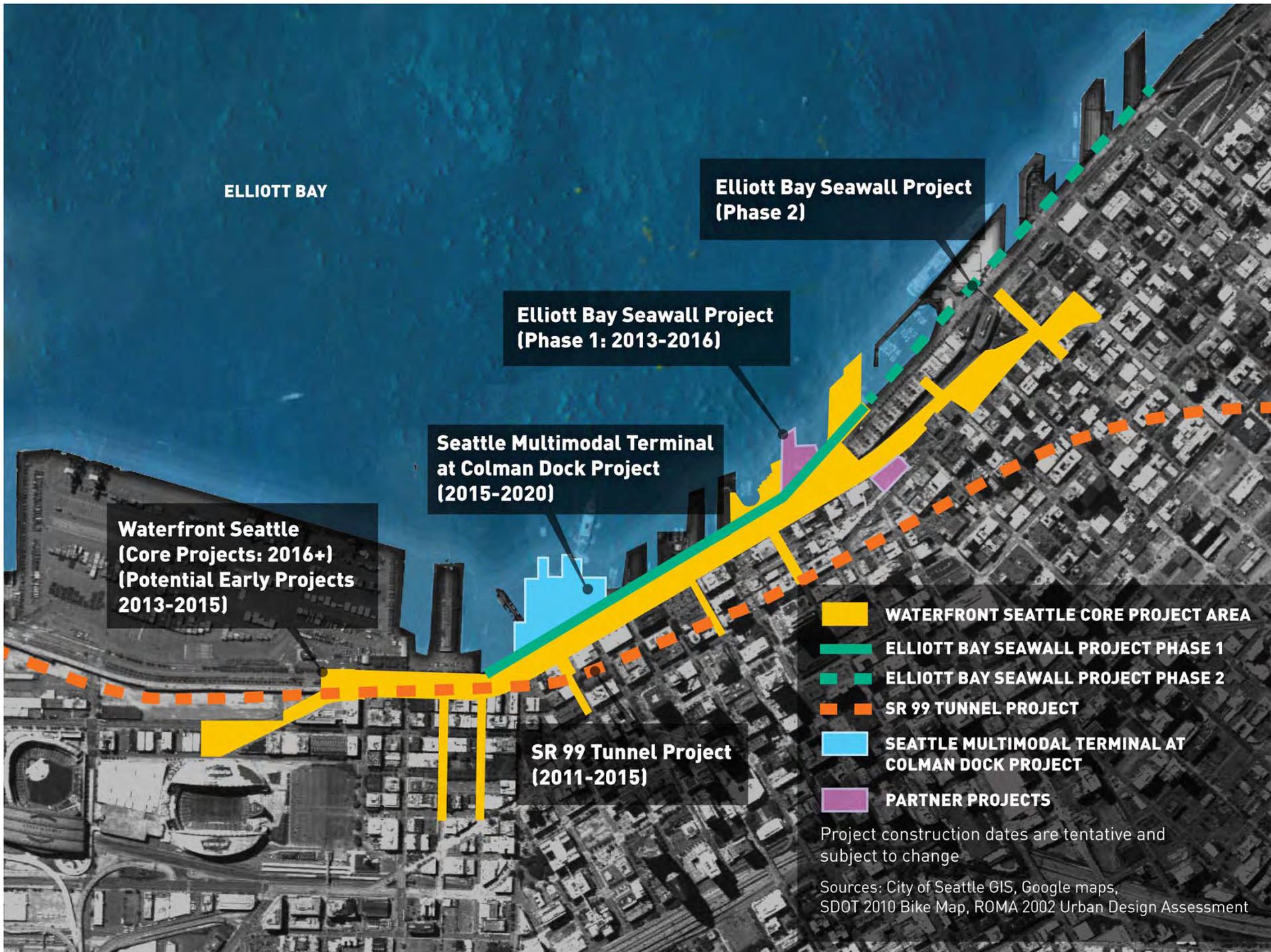


AWV STAKEHOLDER
GROUP
DECEMBER 12, 2013

TODAY'S PRESENTATION

Seawall Project

- Recent milestones accomplished
- Construction progress
- Next steps



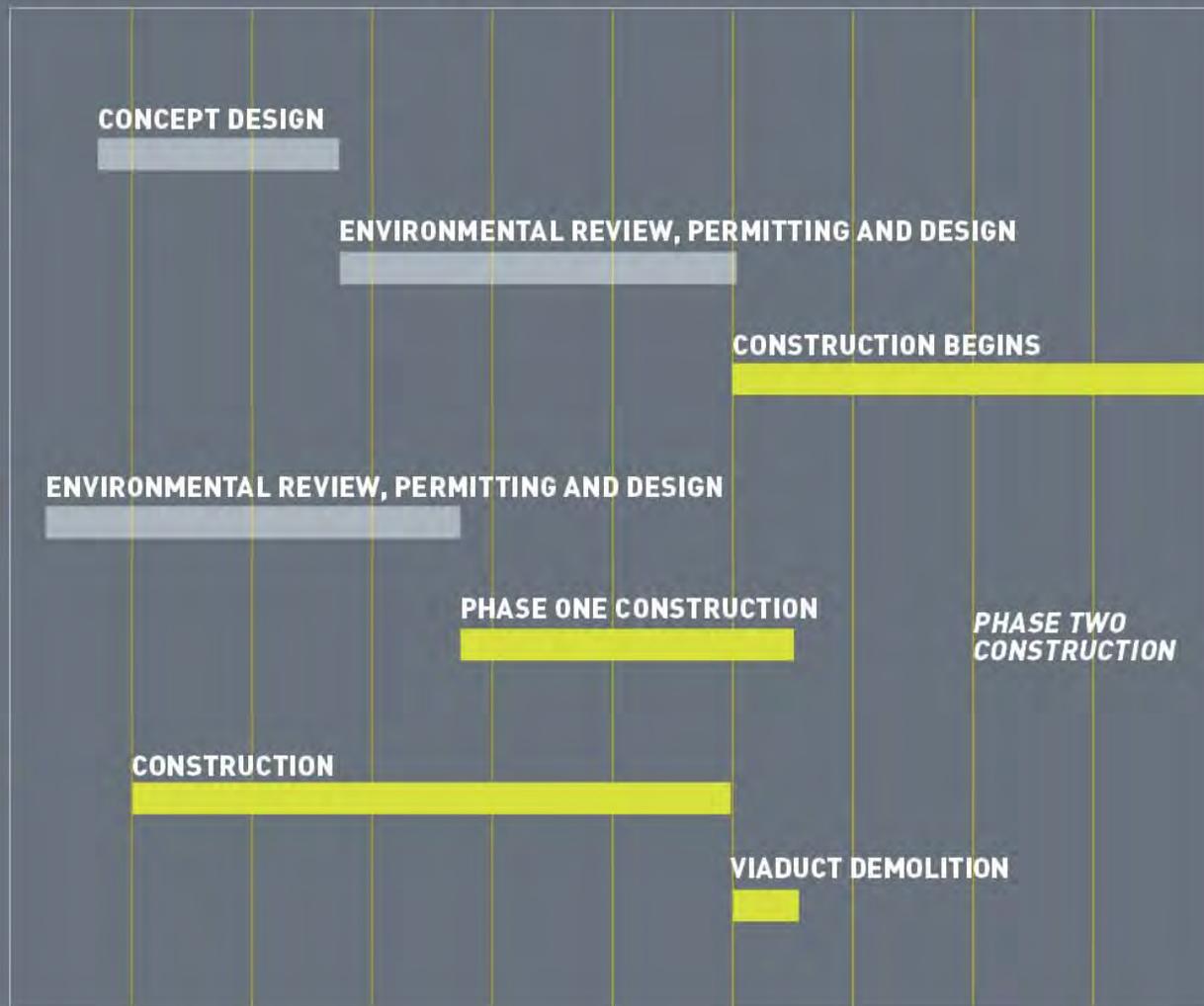


WATERFRONT SEATTLE

ELLIOTT BAY SEAWALL PROJECT

SR 99 TUNNEL

2010 2011 2012 2013 2014 2015 2016 2017 2018 2019



2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

= PLANNING AND DESIGN = CONSTRUCTION

Seawall Project Area





Milestones Accomplished

Permitting Complete



- USACE Section 404/10
- Ecology Section 401 Water Quality Certification
- DPD/Ecology Shoreline Permit
- WDFW Hydraulic Project Approval
- DNR Easement/Right-of-Entry
- NOAA Marine Mammal Protection Act Letter of Authorization



Construction Launched



- Construction began Monday, November 18



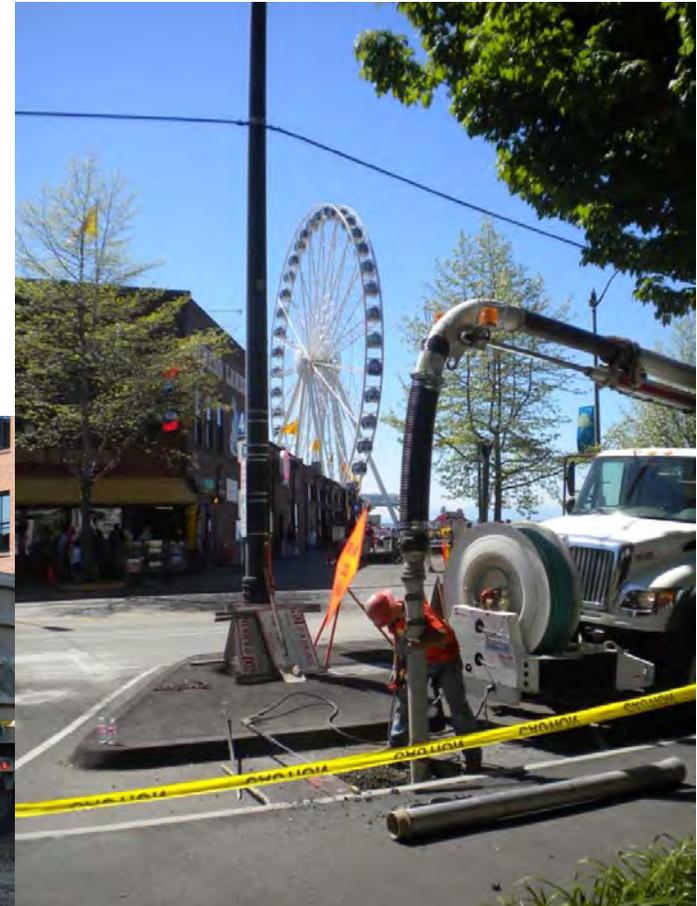


Construction Update

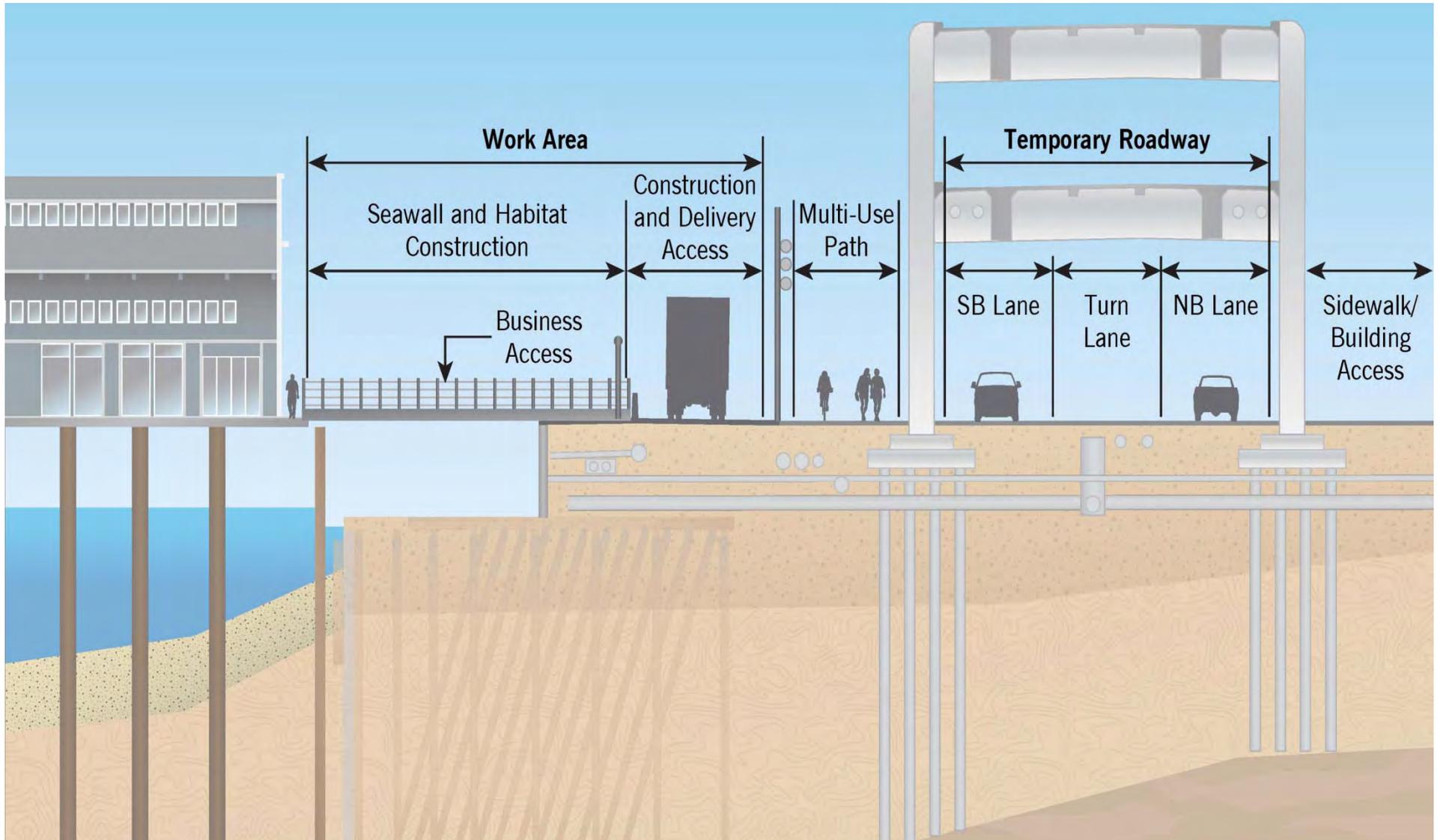
Initial Construction Activities



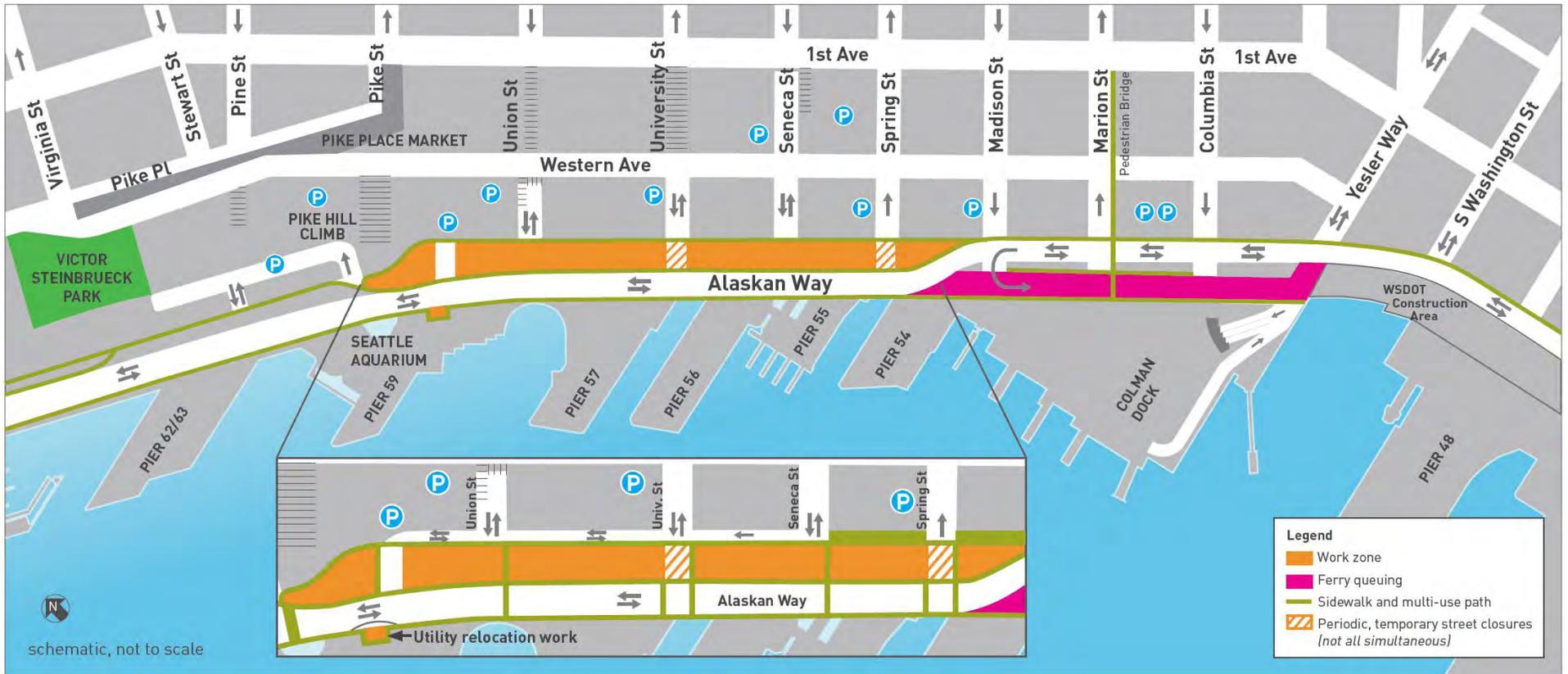
- Temporary roadway construction
- Utility relocation near the Seattle Aquarium



Temporary Roadway Configuration



Temporary Roadway Construction



- Legend**
- Work zone
 - Ferry queuing
 - Sidewalk and multi-use path
 - Periodic, temporary street closures (not all simultaneous)

schematic, not to scale

Construction Outreach



- On-the-ground construction outreach
 - Construction Toolkits
 - Site visits
 - 24 hour hotline
 - Weekly email updates
- Additional outreach
 - Holiday outreach
 - Homeless outreach
 - Business leaders
 - Hotel and tourism industry
- Open House, Dec. 11



On-site Construction Information



Construction fence banner

*Businesses
are open
signs*



Construction Experience



**FOOLS, YOU
THINK YOU
CAN STOP ME!
GRIBBLES
WILL RISE
AGAIN! ACTUALLY
THE WORK WE
ARE DOING ON THE
SEAWALL WILL STOP
THEM (FOR GOOD).**

waterfrontseattle.org/seawall



Getting to the Waterfront



**Is easy,
It's the
same!**



Next Steps



- **Upcoming construction activities**

- Utility relocations

- Land side

- Under piers

- Sheet pile installation

- Jet grouting

- Planning for years two and three



Questions?



Email: seawall@waterfrontseattle.org

Website: waterfrontseattle.org/seawall

24-hour hotline: 206-618-8584



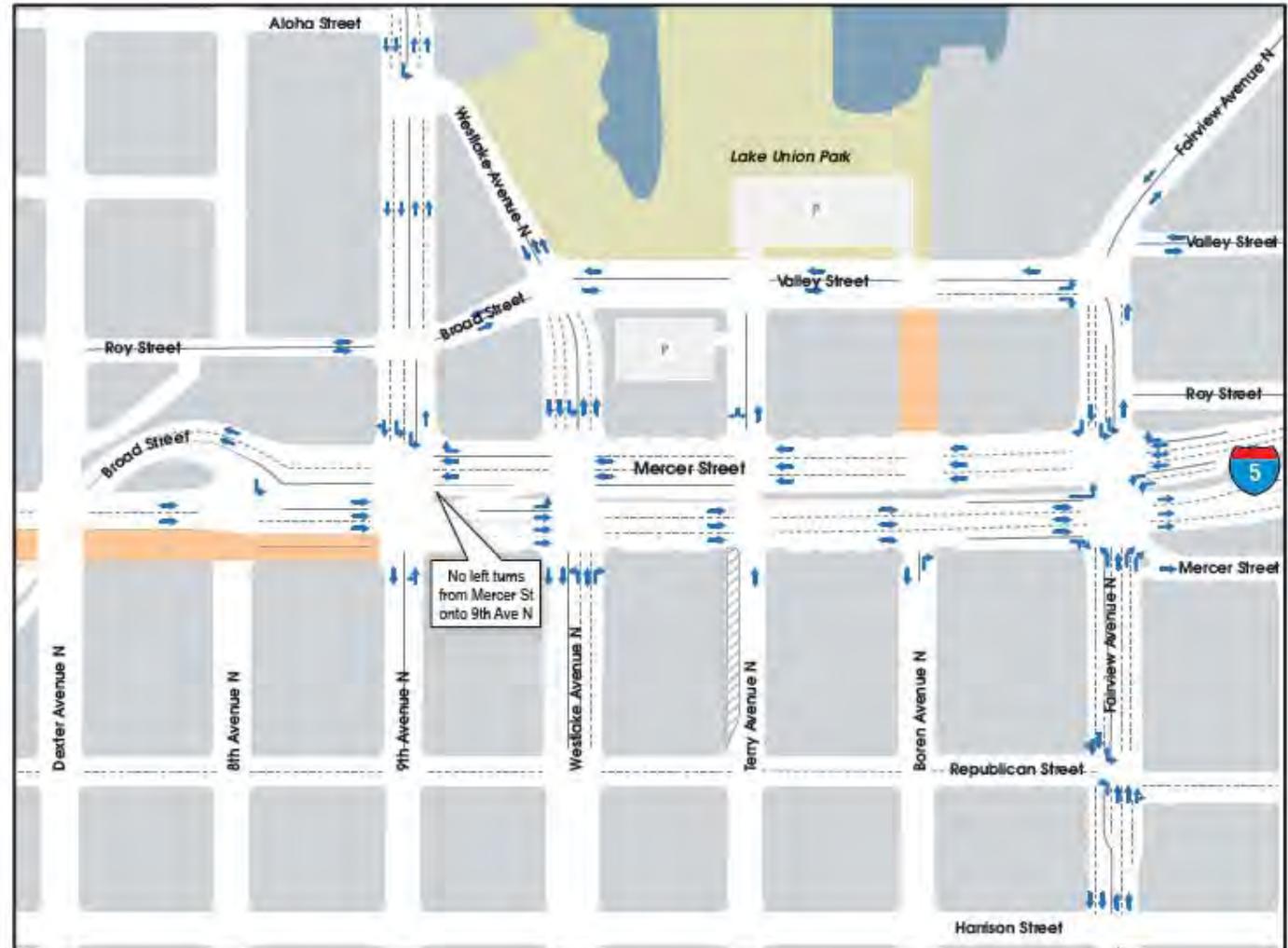
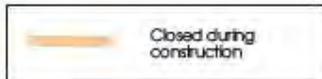
mcp mercer corridor project



December, 2013

Major construction complete:

- Mercer Street: Three lanes in each direction between 9th Avenue N and Fairview Avenue N
- Mercer Street east of Fairview Avenue N open for access to Eastlake and Capitol Hill
- Fairview Avenue N fully open with southbound access to Mercer Street and I-5
- Westlake Avenue N, Valley Street, 9th Avenue N and Broad Street are fully open to traffic.



Mercer East Construction Update

- Valley St. and 9th Ave. N fully re-opened to traffic in September, 2013
- Mercer East substantial completion in October, 2013
- Remaining work:
 - Landscaping installations on Westlake Ave. N and Valley St. and punch-list items

Mercer East Construction Photos



Mercer West Construction Update

- **Ongoing construction:**
 - Traffic switched to the eastern portion of SR 99 between Aloha and Harrison streets on Dec. 7
 - Utility installation on the south side of Mercer St.
 - Conduit installation and pedestrian improvements on Mercer St. between 1st Ave. N and 4th Ave. N





Stream
UPTOWN
NOW LEASING
CONDO APARTMENTS
206.453.5585

MOTIVE REPAIR

TAKE
NEWS

Mercer West Construction Update

- Late 2013 & Early 2014:
 - Demolition and reconstruction of west half of SR 99 bridge over Mercer St.
 - Conduit and sidewalk installation along south side of Mercer St. between 1st Ave. N and 4th Ave. N continues
 - December 9-13, 16-20: Nighttime lane restrictions on eastbound Mercer St. between 4th and 5th Avenues in effect on weekday evenings from 9:00 p.m. to 5:00 a.m.
- One additional full weekend closures of SR 99 and Mercer St. in December:
 - December 13-16: SR 99 and Mercer St. closed for demolition of the western half of the SR 99 bridge over Mercer St.

Mercer West: Fifth Ave N to Dexter Ave N

Alternate Routes to I-5 and SR 99 December 13-16



Mercer West Construction Update

- Early 2014:
 - Signal/Trolley pole installations on Mercer and Roy streets
 - Ongoing construction on Mercer St. and SR 99 bridge
 - Preparation for opening Mercer and Roy streets to two-way traffic between 9th Ave. N and Queen Anne Ave. N
- Mid to late 2014:
 - Transition Mercer St. to two-way traffic and close Broad St.
 - Begin fill of Broad St., bridge demolition, and utility relocations at the intersection of Mercer St. and Dexter Ave. N
 - Continue construction on Mercer St. between 9th Ave. N and 5th Ave. N

Mercer West Construction Traffic

- Coordinating with WSDOT and stakeholders on construction and traffic
- Continuing to promote alternate access to I-5
- Coordinating with Seattle Center and SDOT on Key Arena/Seattle Center Traffic Control Plan



Seattle Center Garage Exit Plan

SDOT contact information

- **Email**

mercerinfo@seattle.gov

- **24-hour Hotline**
(206) 419-5818

- **Website**

www.seattle.gov/Transportation/mercercorridor.htm



Project and Construction Information

Email: mercerinfo@seattle.gov

Phone: (206) 419-5818

Project Office: 701 Dexter Ave. N, Suite 108, Seattle, WA 98109

Website: www.seattle.gov/Transportation/mercercorridor.htm



WSDOT 2014 Regional Construction Update

WSDOT projects in downtown Seattle



A Rebuild SR 99 Spokane Street Overcrossing (timber bridge)

B Replace I-5 expansion joints north and south of I-90 interchange

SR 99 Spokane St. overcrossing (timber bridge)



A Rebuild SR 99 Spokane Street Overcrossing (timber bridge)

- **Summer 2013:** Phase one complete, traffic shifted to new span on east side.
- **April 2014 :** Phase two complete.
Weekend closure to return northbound and southbound traffic to pre-construction configuration.

B Seattle special bridge repair: Phase two



Replace I-5 expansion joints north and south of I-90

- **Lane closures on northbound or southbound I-5 for six weekends**
 - MLK Day weekend, Presidents Day weekend
 - Four additional weekends between January and June 2014
- **Access to I-5 and I-90 remains open during construction**

SR 520 Bridge Replacement and HOV Project



- **SR 520 – Eastside Transit and HOV Project**
 - Winter 2014: One partial weekend closure
- **SR 520 - Floating Bridge and Landings Project**
 - No major construction impacts during early 2014
- **SR 520 – West Connection Bridge**
 - Winter 2014: Periodic nighttime westbound closures

Stakeholder Group Feedback

Website:

www.AlaskanWayViaduct.org

Twitter:

@BerthaDigsSR99

Email:

viaduct@wsdot.wa.gov

Hotline:

1-888-AWV-LINE

