Alaskan Way Viaduct REPLACEMENT PROGRAM

Puget Sound Regional Council – Regional Project Evaluation Committee
Brian Nielsen, Program Administrator

October 26, 2018
TODAY’S FOCUS

- The big picture
- #Realign99 closure/Opening the tunnel
- Removal, decommissioning, surface streets
The viaduct was built in the early 1950’s

Columns reinforced after 2001 earthquake

This is a safety project
Completed projects

<table>
<thead>
<tr>
<th>South-end replacement</th>
<th>Start</th>
<th>End</th>
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</thead>
<tbody>
<tr>
<td>Electrical line relocation</td>
<td>2008</td>
<td>2009</td>
</tr>
<tr>
<td>Holgate to King (stage 1)</td>
<td>2009</td>
<td>2009</td>
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<tr>
<td>Holgate to King (stage 2)</td>
<td>2010</td>
<td>2012</td>
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<tr>
<td>Holgate to King (Stage 3)</td>
<td>2012</td>
<td>2014</td>
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<table>
<thead>
<tr>
<th>SR 99 tunnel</th>
<th>Start</th>
<th>End</th>
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<tbody>
<tr>
<td>SR 99 tunnel main contract</td>
<td>2011</td>
<td>2018</td>
</tr>
<tr>
<td>North Access Project</td>
<td>2014</td>
<td>2017</td>
</tr>
<tr>
<td>South Access – SR 99 Connections</td>
<td>2018</td>
<td>2019</td>
</tr>
<tr>
<td>South Access – Surface Street Connections</td>
<td>2019</td>
<td>2020</td>
</tr>
<tr>
<td>South Access (S. Dearborn Street off-ramp)</td>
<td>2016</td>
<td>2017</td>
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<tr>
<td>South Access (drilled shafts)</td>
<td>2014</td>
<td>2014</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Miscellaneous projects</th>
<th>Start</th>
<th>End</th>
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</thead>
<tbody>
<tr>
<td>Trager Building demolition</td>
<td>2007</td>
<td>2007</td>
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<tr>
<td>Viaduct column stabilization near Yesler Way</td>
<td>2007</td>
<td>2008</td>
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<tr>
<td>WOSCA Building demolition</td>
<td>2009</td>
<td>2009</td>
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<tr>
<td>Pier 48 warehouse demolition</td>
<td>2010</td>
<td>2010</td>
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<tr>
<td>Automated viaduct closure gates</td>
<td>2010</td>
<td>2011</td>
</tr>
<tr>
<td>Western Building structural work</td>
<td>2011</td>
<td>2017</td>
</tr>
<tr>
<td>SR 99 south-end fiber replacement</td>
<td>2011</td>
<td>2011</td>
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<tr>
<td>Alaskan Way widening</td>
<td>2012</td>
<td>2012</td>
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<tr>
<td>Cedarstrand Building demolition</td>
<td>2012</td>
<td>2012</td>
</tr>
<tr>
<td>SR 99 Demolition, Decommissioning and Surface Street</td>
<td>2018</td>
<td>2020</td>
</tr>
<tr>
<td>New Alaskan Way</td>
<td>2019</td>
<td>2023</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Mitigation projects</th>
<th>Start</th>
<th>End</th>
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</thead>
<tbody>
<tr>
<td>SR 519 Phase 2</td>
<td>2008</td>
<td>2010</td>
</tr>
<tr>
<td>Spokane Street Viaduct Fourth Ave. off-ramp</td>
<td>2008</td>
<td>2010</td>
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<tr>
<td>I-5 active traffic management</td>
<td>2009</td>
<td>2010</td>
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<tr>
<td>I-5 active traffic management sign bridges</td>
<td>2009</td>
<td>2009</td>
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<tr>
<td>I-5 travel time signs</td>
<td>2009</td>
<td>2009</td>
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<tr>
<td>City street intelligent transportation systems</td>
<td>2009</td>
<td>2010</td>
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<tr>
<td>SR 99 intelligent transportation systems</td>
<td>2010</td>
<td>2011</td>
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<tr>
<td>Enhanced transit/demand management</td>
<td>2010</td>
<td>2014</td>
</tr>
<tr>
<td>Parking mitigation for central waterfront</td>
<td>2011</td>
<td>2019</td>
</tr>
</tbody>
</table>

1 Per City of Seattle’s Waterfront Seattle schedule
2 Per Seattle Tunnel Partners’ most recent schedule
3 Partially funded by the state
4 Per 2014 legislation, additional mitigation funding is being provided by WSDOT from funds outside the AWV Program

= completed project  = in progress
TODAY’S FOCUS

- The big picture
- #Realign99 closure/Opening the tunnel
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Steps remaining to open the SR 99 tunnel

1. **COMPLETE**
   - Move Alaskan Way to the west

2. Complete tunnel work

3. 3-week (approx.) SR 99 closure

4. Complete final highway connections

5. Complete final highway connections

6. Open tunnel
SR 99 closure and tunnel opening: get ready

- **Duration:** about three-weeks for SR 99 closure and up to three weeks of ramp closures

- **Closing a highway adds more drivers to other parts of the system:** 90,000 vehicles per day, including several thousand trucks, and buses have to use another route

- **Expect long backups:** On I-5 and routes into downtown Seattle, especially during peak commute times

- **Major change to transportation system:** New SR 99 tunnel will open, other construction continues
SR 99 closure: when and why

When
The closure will begin on Jan. 11, 2019: The closure will take place just before the new SR 99 tunnel opens.

Why
Connecting SR 99 to the tunnel: Crews will have to work in the path of SR 99’s current configuration to connect SR 99 to the new tunnel. The graphics below show the path of SR 99 today (yellow) and work zones during the closure (orange).
SR 99 closure and tunnel opening: get ready

Keeping people and goods moving

• WSDOT, SDOT, Port of Seattle, King County Metro, Sound Transit implementing transportation management strategies.

• Incident response teams, increased staffing in transportation management centers, signal timing plans, uniformed police officers at key intersections, additional water taxi runs, standby Metro coaches, and more.

• Actively monitoring the transportation system.
What we experienced during nine-day SR 99 closure in 2016

- Region-wide impacts: higher travel times on I-5, SR 520, I-90
- Peak commutes started earlier and lasted longer
- More vehicles on downtown streets
- Sound Transit commuter rail ridership increased by 5 to 10%
- West Seattle water taxi ridership increased 135%, Vashon passenger ferry service increased by 27%
- Longer travel times for King County Metro buses rerouted off SR 99
- More cyclists on the road to avoid congestion
A comparable event to the SR 520 floating bridge grand opening event in 2016
Opening the tunnel: Ramps at the north portal
Opening the tunnel: Ramps at the south portal
Alaskan Way Viaduct Replacement Program

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Construction after the SR 99 tunnel opens

- Alaskan Way Viaduct removal
- Battery Street Tunnel decommissioning
- North surface street connections

- Design-build contract
- Kiewit Infrastructure West Co.
Opening the new SR 99 tunnel is just the start:

- Tunnel will open toll-free for a period of time.
- Traffic patterns will change because we are changing access to SR 99.
- Construction continues after the tunnel opens to drivers.

Seattle will experience ongoing change:

- It will take time before traffic patterns settle out.
- Tolls range from $1 to $2.25 with a Good To Go pass.
- Some trips will be quicker and others will be longer.
- The City will rebuild the new Alaskan Way, which will open in 2021.
How to REACH US

WSDOT Live Traffic Cameras
www.wsdot.com/traffic/seattle/default.aspx

WSDOT Travel Times
www.wsdot.com/traffic/travel_times/default.aspx

SDOT Traveler Information Map
web6.seattle.gov/travelers

Transit Alerts
kingcounty.gov/metro/signup

Travel News on Twitter
@WSDOT_traffic
@SDOTtraffic
@KCMetroBus
@SoundTransit
@MyCommTrans

Website:
www.99tunnel.com
www.AlaskanWayViaduct.org

Twitter:
@BerthaDigsSR99
#Realign99

Email:
viaduct@wsdot.wa.gov

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