

# Alaskan Way Viaduct Replacement Program Update

**Lynn Peterson**  
Secretary of Transportation

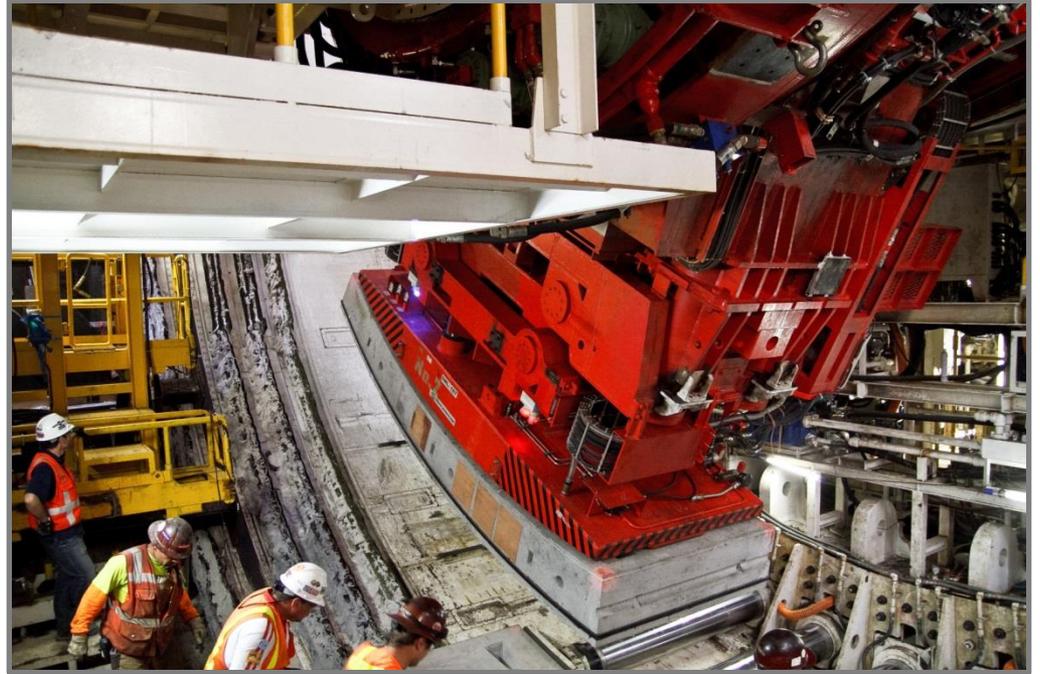
**Cam Gilmour**  
Deputy Secretary

**Todd Trepanier**  
AWV Program Administrator

**Joint Transportation Committee**  
**September 11, 2013**

# Overview

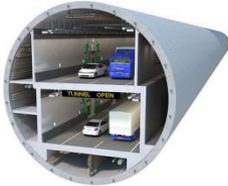
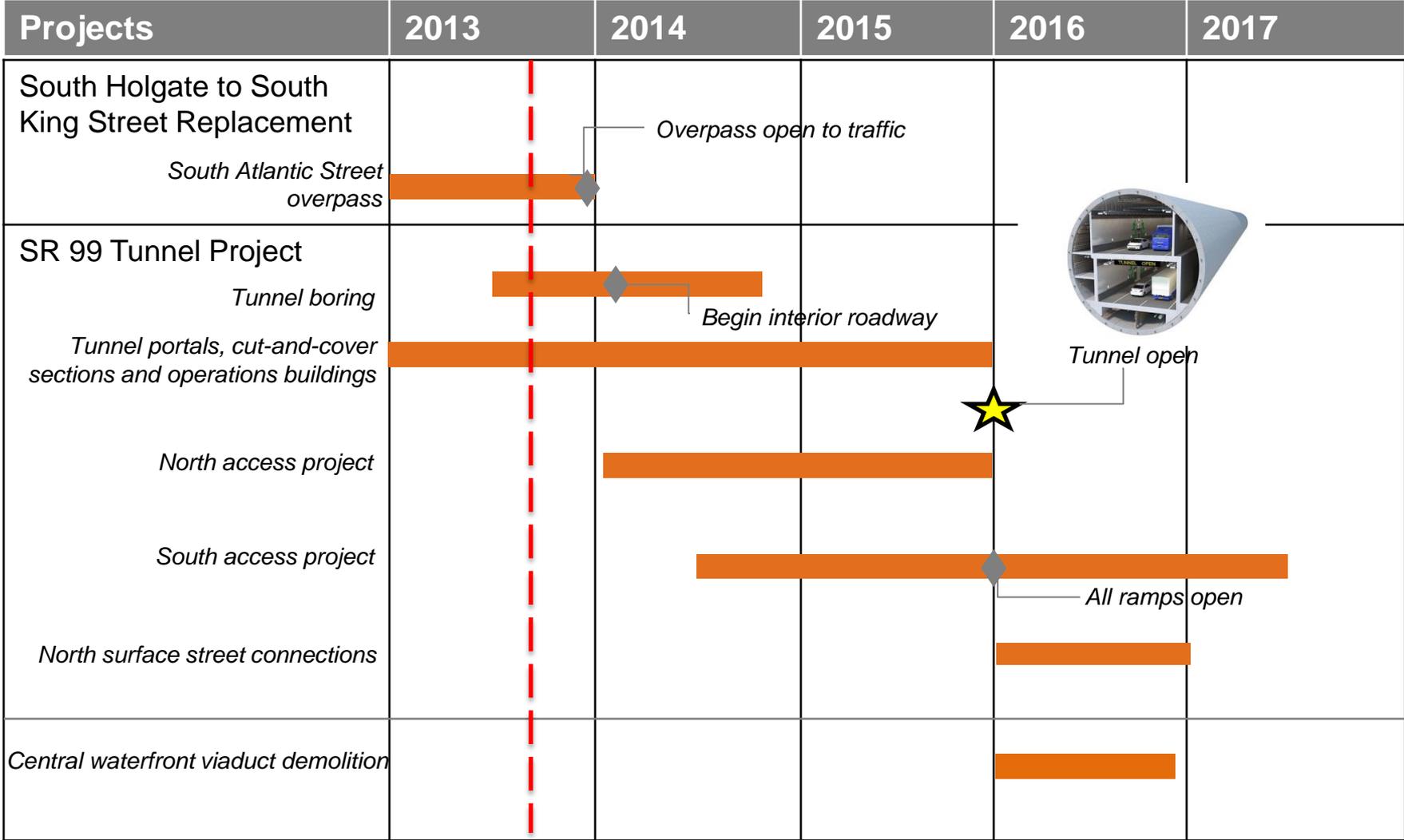
- Program overview:
  - Budget.
  - Schedule.
- Construction update.
- Committees:
  - SR 99 tunnel tolling.
  - Expert Review Panel.



# 2013 State Project Budget

State Projects	Budget (\$ in millions)
SR 99 Tunnel Project	\$2,054.4 million
SR 99 S. Holgate Street to S. King Street Project	\$358.3 million
Central Waterfront Viaduct Removal Battery Street Tunnel Decommissioning New Alaskan Way and Elliott / Western Connections	\$290 million
Central Waterfront Construction Mitigation	\$30 million
Program Management	\$75 million
Other Moving Forward Projects	\$173.7 million
Prior Environmental Impact Statements, Right of Way and Design Costs	\$163.7 million
<b>Total</b>	<b>\$3,145.1 million</b>

# Construction Timeline



Construction

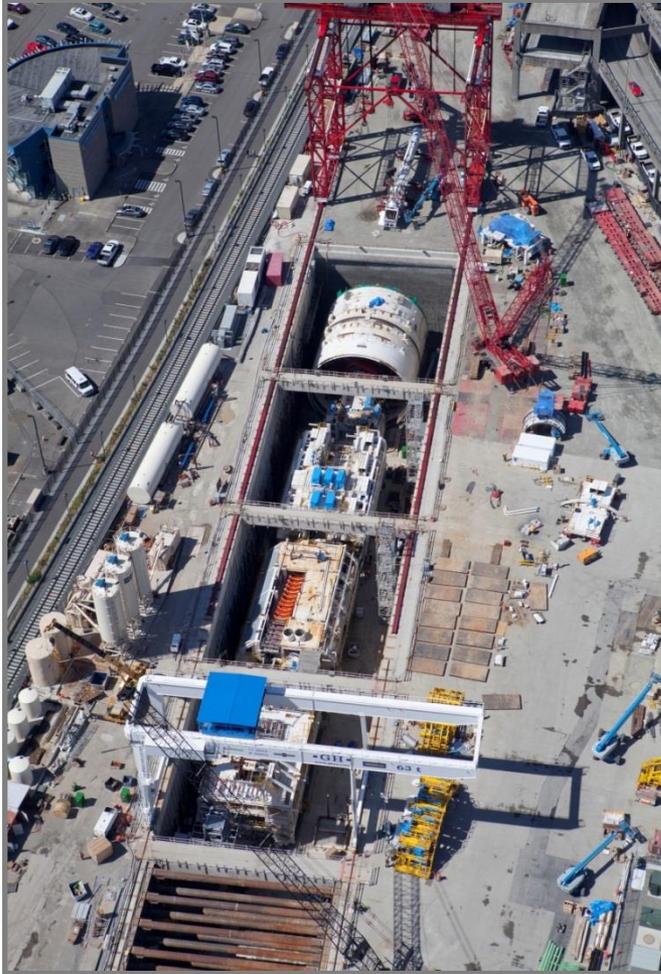
# Building the New SR 99 Corridor



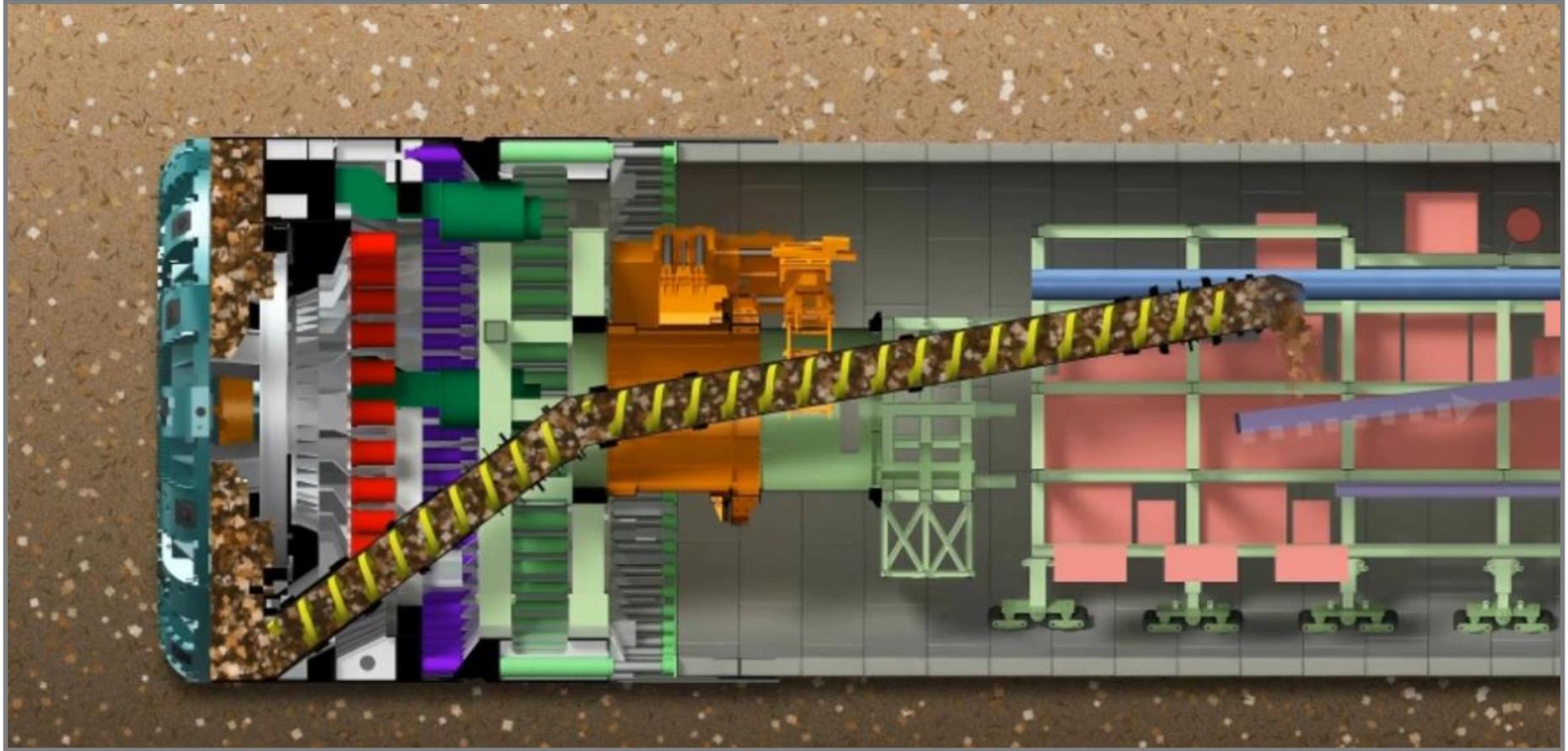
# Building the New Overpass



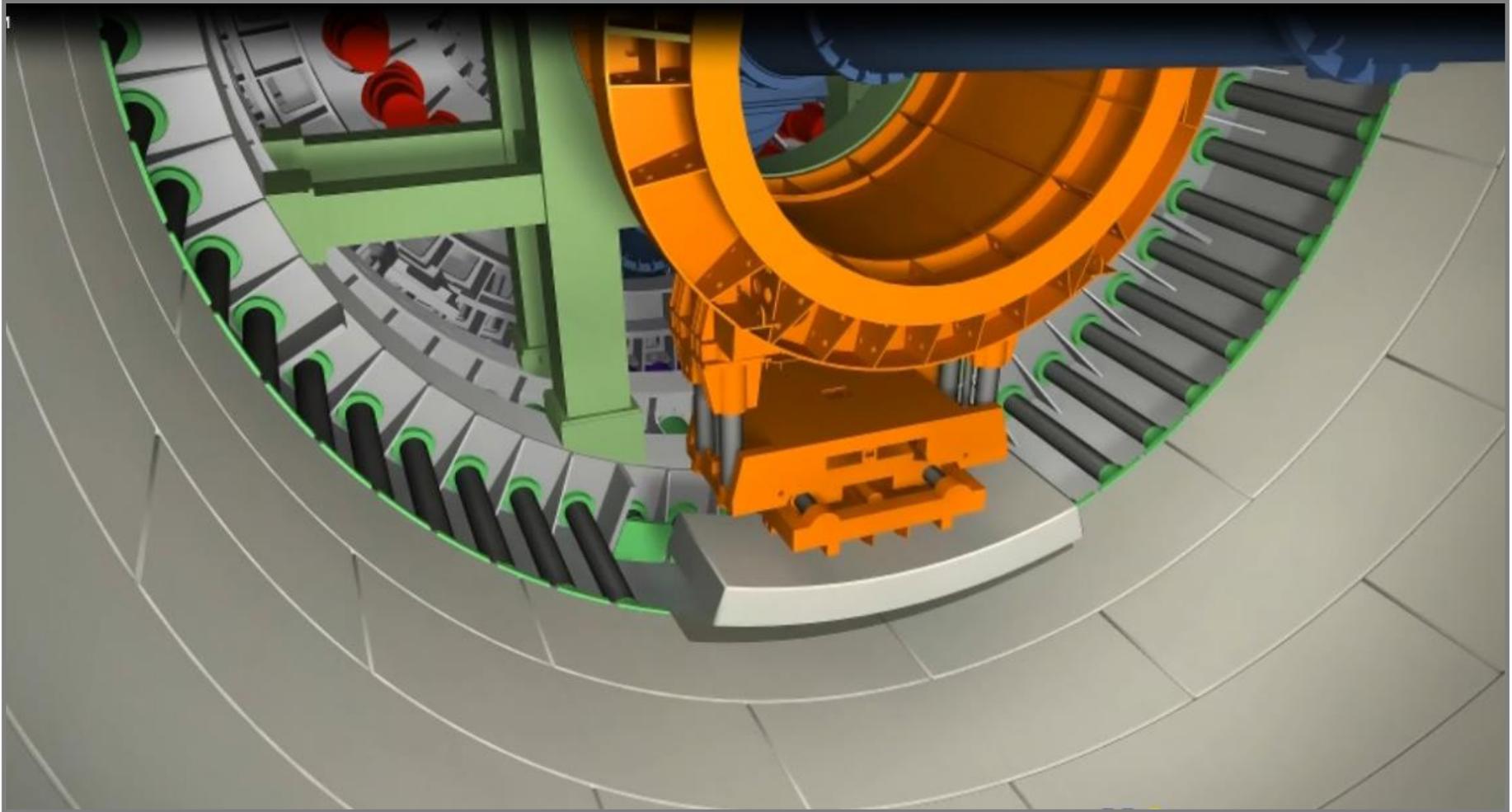
# The SR 99 Tunneling Machine



# Tunneling Machine – Earth Pressure Balance



# Tunneling Machine – Placing Liner Segments



# Tunnel Liner Segments



# Launching the SR 99 Tunneling Machine



# Headwall Muck

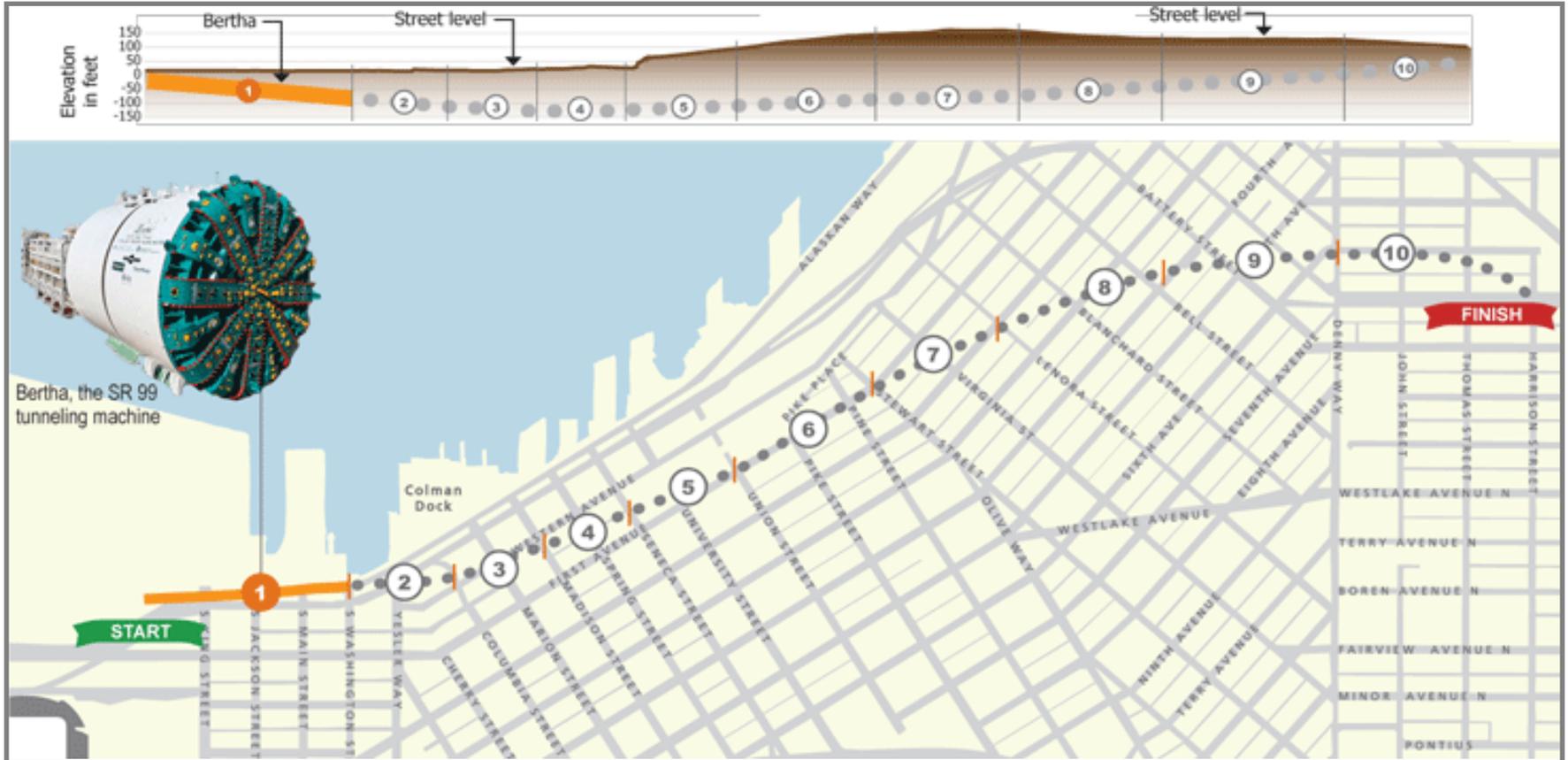


# Tunnel Spoils Conveyor Belt



*The SR 99 tunnel conveyor belt stretches from the launch pit to Terminal 46.*

# Tracking Bertha's Progress



[www.wsdot.wa.gov/Projects/Viaduct/About/FollowBertha](http://www.wsdot.wa.gov/Projects/Viaduct/About/FollowBertha)

# Protecting Structures and Settlement Mitigation



*Monitoring equipment installed on a rooftop.  
Photo by Soldata.*

- Primary settlement mitigation is the operation of the tunneling machine.
- Built a protected pathway for the first 1,500 feet of tunneling.
- Reinforced the viaduct above the path of the tunnel.
- Implemented a robust monitoring plan to keep structures safe before, during and after tunneling.

# North Portal Receiving Pit



# Advisory Committee on Tolling and Traffic Management

- Requirement of the Record of Decision as a way to mitigate for tolling impacts.
- Exploring ways to refine SR 99 tunnel tolling strategies to meet funding goals and investigating strategies to reduce or mitigate diversion.
- Legislatively-approved budget includes \$200 million in revenue from tolling.
- Working with the committee since late 2011.
- Committee has evaluated seven toll scenarios to date.
- Committee makes advisory recommendations this year.

# AWV Expert Review Panel

- The 2011 Legislature directed WSDOT to form an Expert Review Panel to evaluate the key assumptions for the program's schedule, risk and cost estimates.
- The Expert Review Panel will report findings and recommendations annually until the project is complete.
- The panel's 2012 and 2013 reports can be found on the program website.
- The panel will reconvene this fall.
- WSDOT is in the process of submitting a formal request for the members.

# Questions?

For more information on the  
Alaskan Way Viaduct Replacement  
Program,  
please contact:

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