

JOINT TRANSPORTATION COMMITTEE ALASKAN WAY VIADUCT REPLACEMENT PROGRAM UPDATE

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JULY 21, 2016

TODAY'S AGENDA

- Program overview
- SR 99 Tunnel Project design-build contract update
- Design-bid-build projects update
- Program schedule and budget update
- Next steps / question and answer







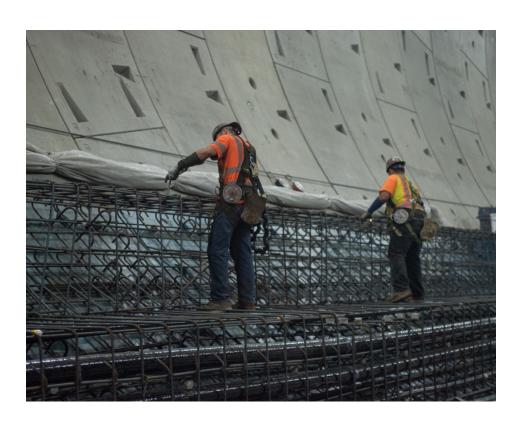
REPLACING THE VIADUCT





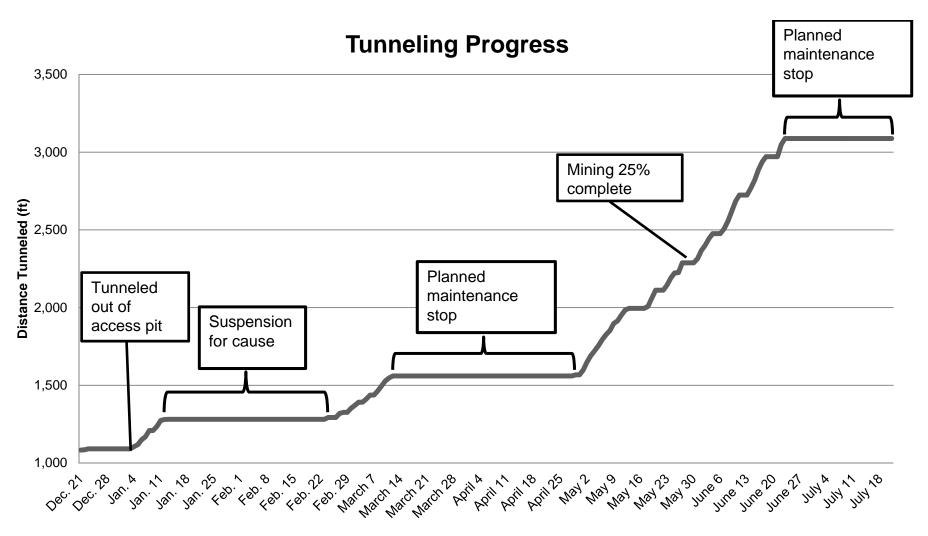


SR 99 TUNNEL DESIGN-BUILD CONTRACT UPDATE



- Progress since
 December 2015 briefing
- Tunneling work plan and status
- Quality program overview
- Civil work status
- Disadvantaged Business
 Enterprises progress
- Current schedule

TUNNELING PROGRESS: SAFE, STEADY RATE



CURRENT STATUS

- As of June 23, 2016, Bertha has traveled 3,088 of 9,270 feet
- Crews have built 467 of 1,426 rings
- Bored tunnel to date is 33 percent complete
- Planned maintenance stop 120 feet below Spring Street at Post Avenue



REGULAR MAINTENANCE: TAKING CARE OF BERTHA







TUNNELING WORK PLAN

- Tunneling five days per week
- Daily meeting to decide and document tunneling parameters
- Monitor the tunneling parameters
- Monitor the ground and buildings
- Reconcile muck removed
- Engineered barge loading plan
- Regular maintenance

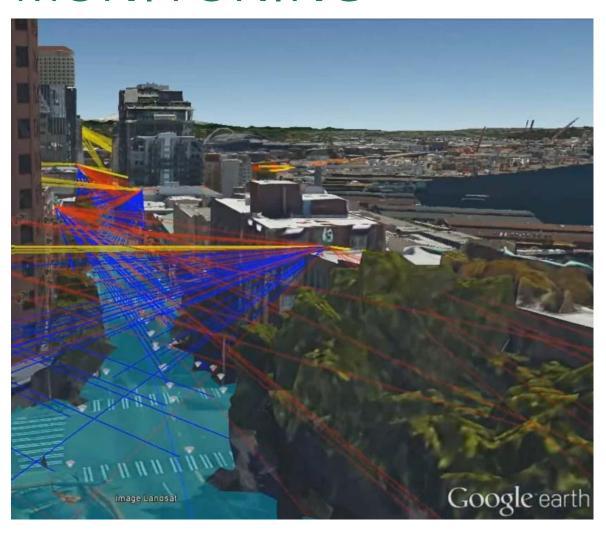


QUALITY PROGRAM



- Quality
 department is
 involved in all
 tunneling
 activities
- Quality
 department is
 part of process to
 ensure tunneling
 work plan is
 followed

PROTECTING INFRASTRUCTURE MONITORING







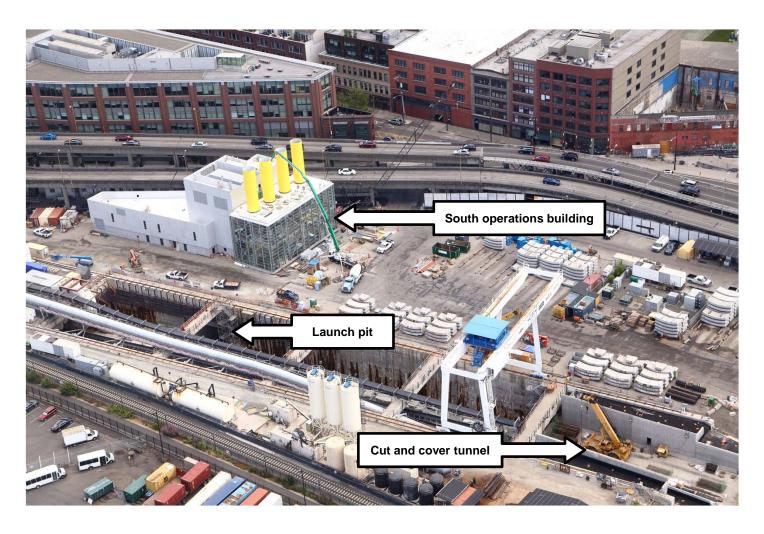
CIVIL PROGRESS: INTERIOR ROADWAY







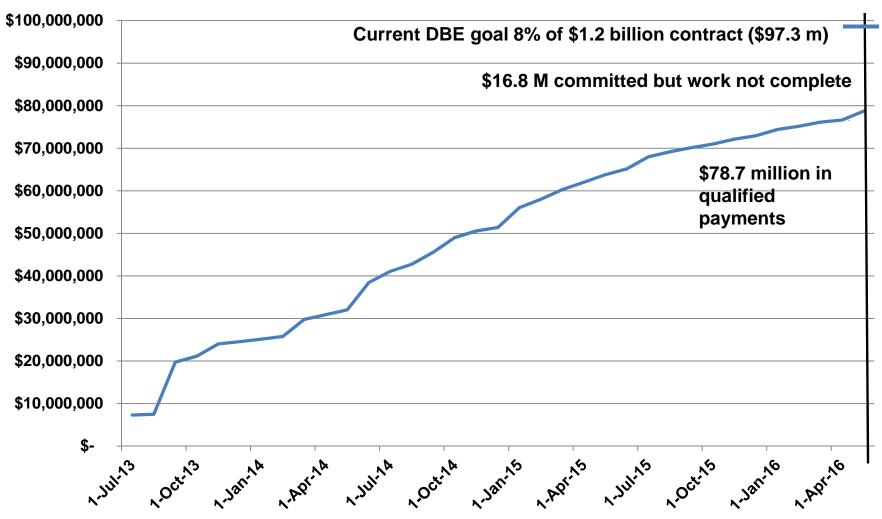
CIVIL PROGRESS: SOUTH END OF TUNNEL



CIVIL PROGRESS: NORTH END OF TUNNEL

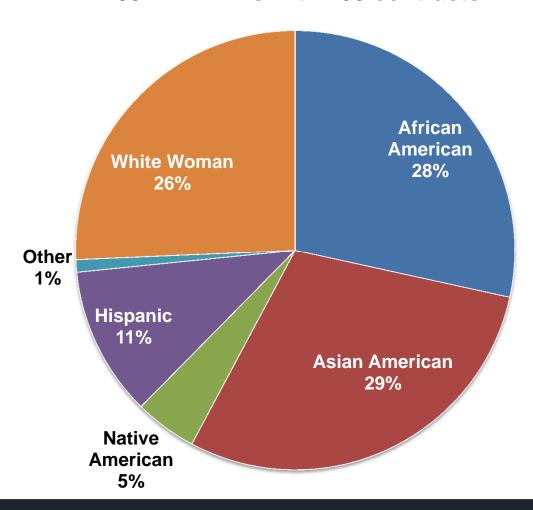


DBE PROGRESS: JANUARY 2013 - MAY 2016

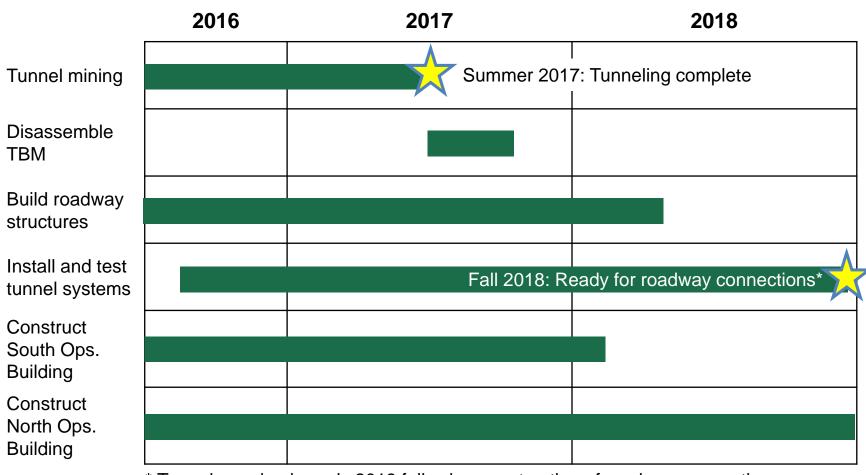


DBE PROGRESS: JANUARY 2013 – MAY 2016

109 DBE firms with 205 contracts



STP'S REMAINING TUNNEL CONTRACT WORK



^{*} Tunnel opening in early 2019 following construction of roadway connections



STATE'S COMPLETED WORK

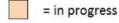


South-end replacement	Start	End
Electrical line relocation	2008	2009
Holgate to King (stage 1)	2009	2009
Holgate to King (stage 2)	2010	2012
Holgate to King (Stage 3)	2012	2014

^{*} Partially funded by the state

SR 99 tunnel	Start	End
SR 99 tunnel main contract	2011	TBD
North Access Project	2014	2017
North Surface Street Connections	TBD	TBD
South Access Project (main contract)	TBD	TBD
South Access (S. Dearborn Street off-ramp)	2016	2017
South Access (drilled shafts)	2014	2014

= completed project



Miscellaneous projects	Start	End
Trager Building demolition	2007	2007
Viaduct column stabilization near Yesler Way	2007	2008
WOSCA Building demolition	2009	2009
Pier 48 warehouse demolition	2010	2010
Automated viaduct closure gates	2010	2011
Western Building structural work	2011	2016
SR 99 south-end fiber replacement	2011	2011
Alaskan Way widening	2012	2012
Cedarstrand Building demolition	2012	2012
Waterfront viaduct removal	TBD	TBD
Battery Street Tunnel decommissioning	TBD	TBD
New Alaskan Way	TBD	TBD

Mitigation projects	Start	End
SR 519 Phase 2	2008	2010
Spokane Street Viaduct Fourth Ave. off- ramp*	2008	2010
I-5 active traffic management	2009	2010
I-5 active traffic management sign bridges	2009	2009
I-5 travel time signs	2009	2009
City street intelligent transportation systems	2009	2010
SR 99 intelligent transportation systems	2010	2011
Enhanced transit/demand management**	2010	2014
Parking mitigation for central waterfront	2011	2019

^{**} Per 2014 legislation, additional mitigation funding is being provided by WSDOT from funds outside the AWV Program

UNDER CONSTRUCTION: NORTH ACCESS PROJECT

- Forecasted completion:
 Early 2017
- Scope of work:
 - SR 99 on- and off-ramps
 - Connection between tunnel's north portal and Aurora Avenue North
 - Utility relocation
 - Landscaping
- Contractor:
 Atkinson Construction





UNDER CONSTRUCTION: SOUTH DEARBORN STREET OFF-RAMP BRIDGE PROJECT

- Forecasted completion:Early 2017
- Scope of work:
 - Construct
 off-ramp bridge
 for SR 99 traffic
 at the south end
 of the tunnel.
- Contractor: Interwest Construction, Inc.



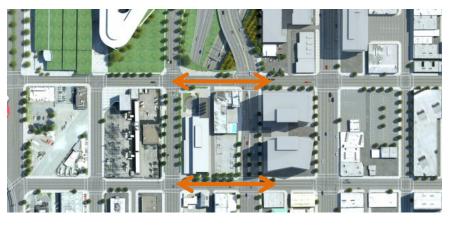
PROJECTS AFTER TUNNELING



Tunnel connections and surface streets at the south tunnel portal



City of Seattle rebuilds Alaskan Way along the waterfront

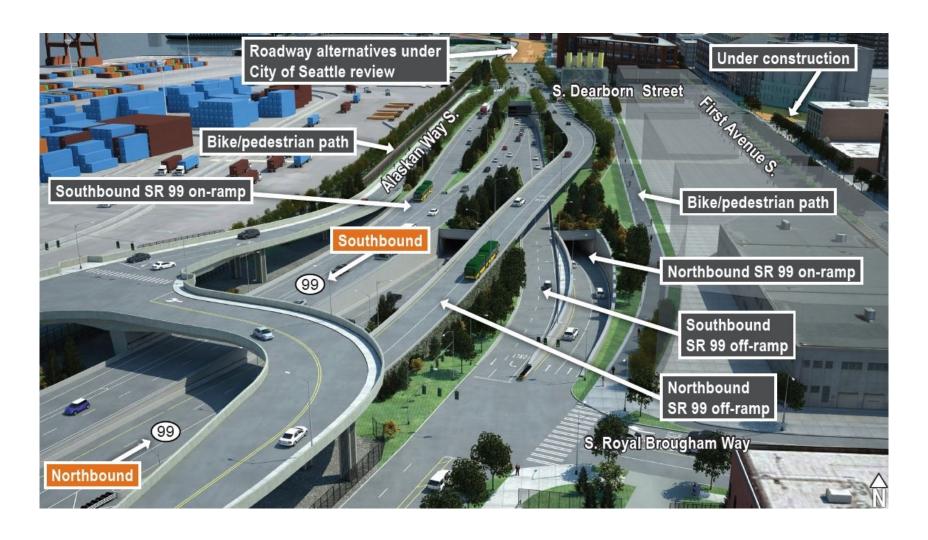


Reconnecting surface streets near the north tunnel portal



Viaduct will be demolished and Battery Street Tunnel will be decommissioned

SOUTH END OF SR 99 TUNNEL



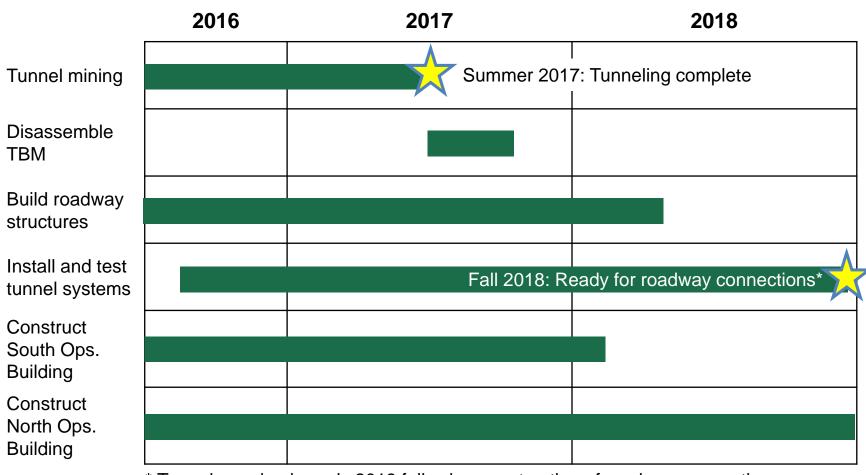


NORTH END OF SR 99 TUNNEL





STP'S REMAINING TUNNEL CONTRACT WORK



^{*} Tunnel opening in early 2019 following construction of roadway connections



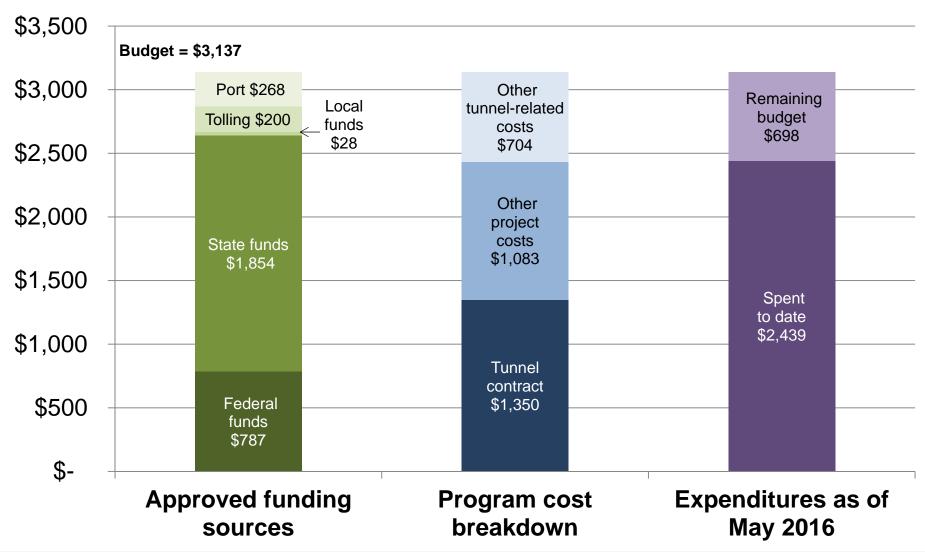
PROGRAM CONSTRUCTION SCHEDULE

		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Bored tunnel	Original											
	Current				Tunneli	ng delay						
North Access	Original											
	Current											
	Original	1										
South Access	Current											
South Access –	Original											
Drilled Shafts	Current											
S. Dearborn Street Off-	Original											
ramp	Current											
North Surface	Original											
Streets	Current											
Viaduct Demolition	Original											
	Current											
Battery Street Tunnel Decommiss.	Original											
	Current											



CURRENT PROGRAM BUDGET

Millions



SR 99 TUNNEL DESIGN-BUILD CONTRACT ALLOWANCES

Funds set aside in contract (allowances) ¹	Original amount	Current expenditures (May 2016)
Deformation mitigation and repair	\$20 million	\$177,000
Port of Seattle	\$20 million	\$19.8 million ²
Schedule completion incentive	\$25 million	\$0
Shared contingency (hyperbaric work and differing site conditions)	\$40 million	\$12.6 million
Total	\$105 million	\$32.6 million ³

¹ Majority of funds set aside in contract are accessed via change order

² Comprised of \$11.8 million executed contract change order and \$8 million in lease payments made directly to Port of Seattle

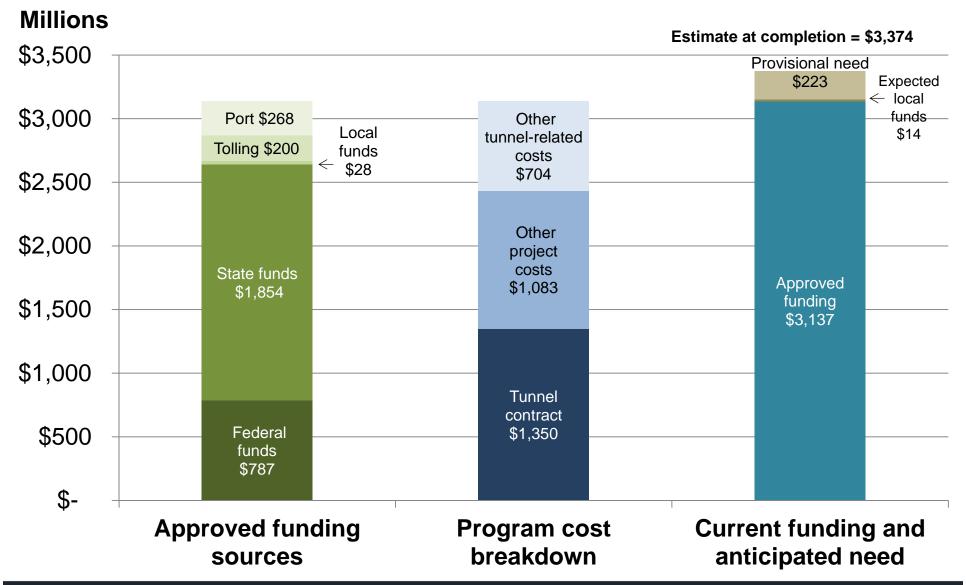
³ Includes \$24.6 million in change orders from funds set aside in the contract

SR 99 TUNNEL DESIGN-BUILD CHANGE ORDERS

Change order status (May 2016)	
Change orders from allowance funds set aside in the contract	\$24.6 million
All other executed change order amounts from contingency	\$47.9 million ¹
Total executed change orders	\$72.5 million

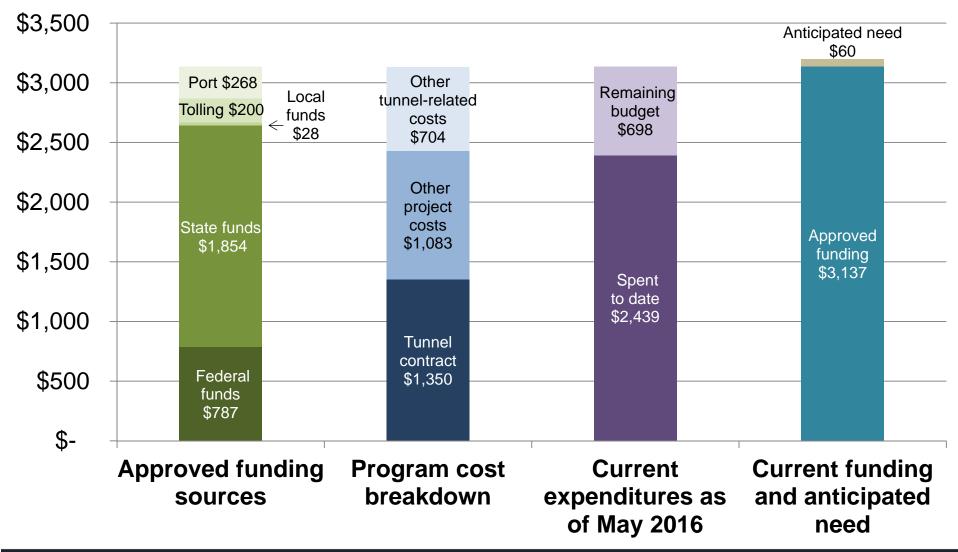
¹ Represents 3.7 percent rate of change beyond contract allowances compared to total expenditures (\$1.28 billion as of May 2016)

PROGRAM BUDGET STATUS: PRELIMINARY ESTIMATE AT COMPLETE



PROGRAM BUDGET STATUS: 2017-2019 BIENNIUM NEED

Millions



HOW TO REACH US





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