

JOINT TRANSPORTATION COMMITTEE

ALASKAN WAY VIADUCT REPLACEMENT PROGRAM UPDATE

ROGER MILLAR, Transportation Secretary

LINEA LAIRD, Assistant Secretary, Engineering and Regional Operations, Chief Engineer,
WSDOT

JOE HEDGES, Alaskan Way Viaduct Replacement Program Administrator

CHRIS DIXON, Seattle Tunnel Partners Project Manager

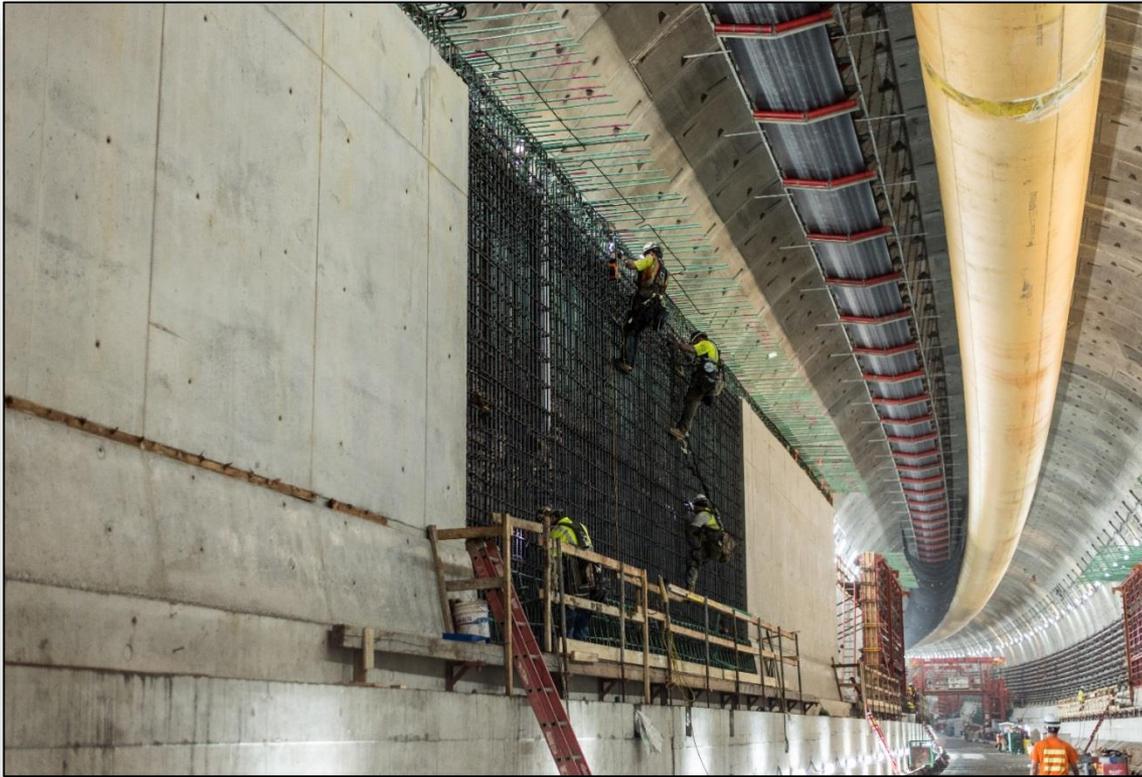
DEC. 15, 2016

TODAY'S AGENDA

- SR 99 Tunnel Project design-build contract update
- Design-bid-build projects and other upcoming work
- Alaskan Way and Waterfront Seattle update
- Program schedule and budget update
- Questions and answers



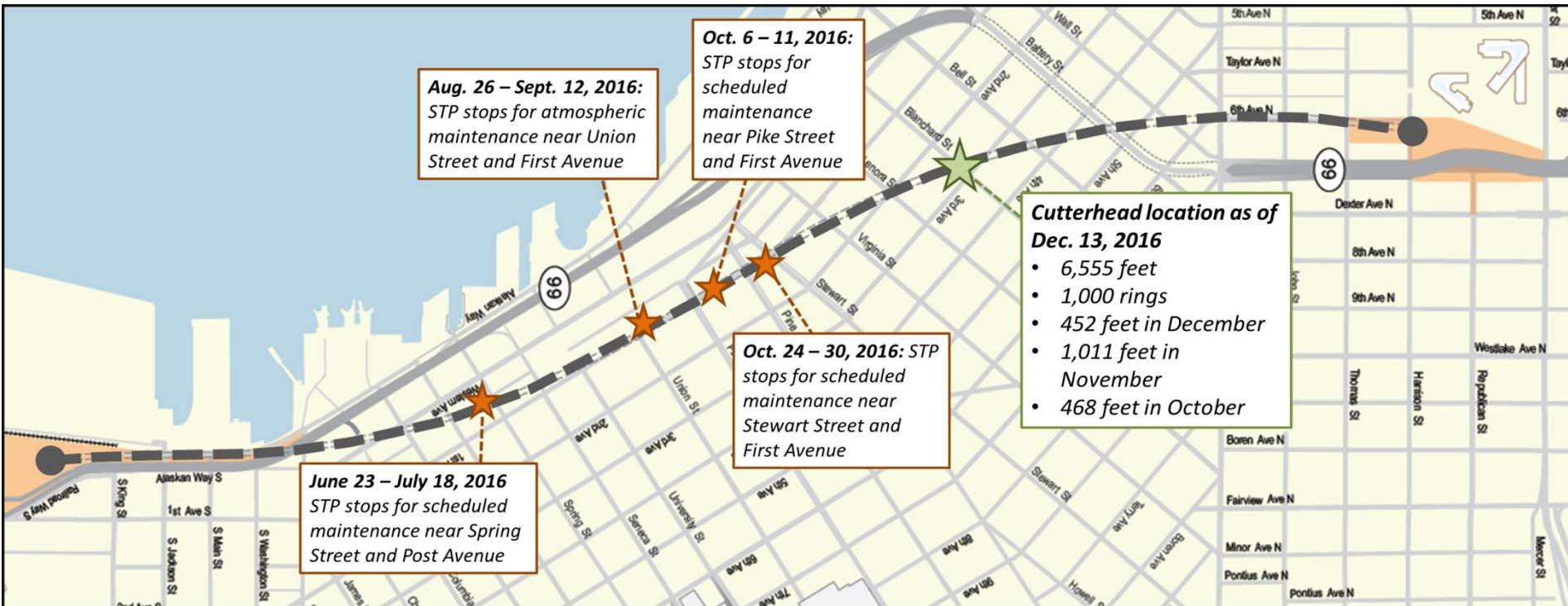
SR 99 TUNNEL DESIGN-BUILD CONTRACT UPDATE



Interior roadway construction, Aug. 18, 2016

- Progress since July 2016 briefing
- Current schedule and upcoming work

CURRENT STATUS



- Tunnel mining to date is approximately 70 percent complete

CIVIL PROGRESS: INTERIOR ROADWAY

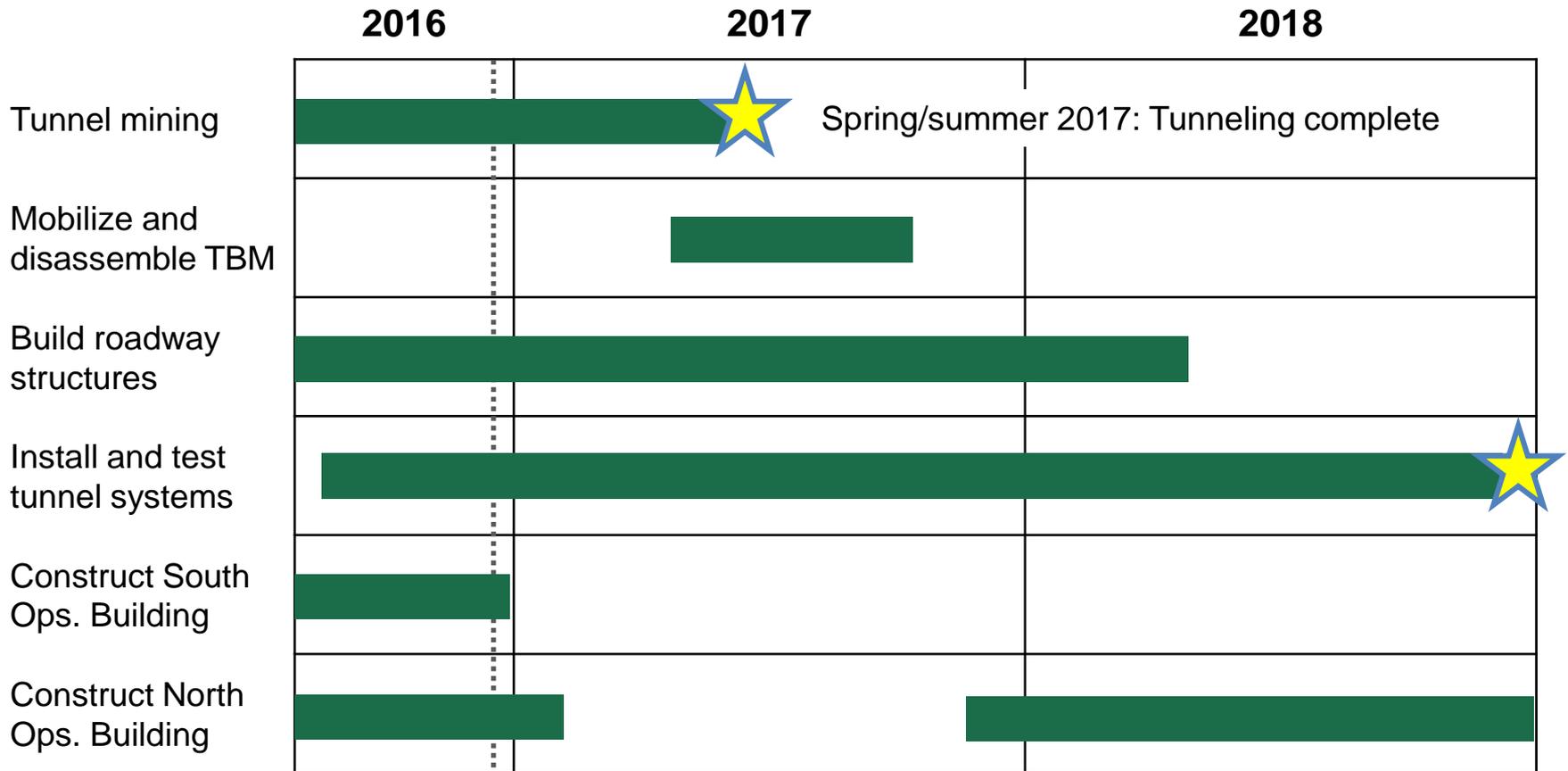


STP crews install rebar for northbound walls, Aug. 18, 2016



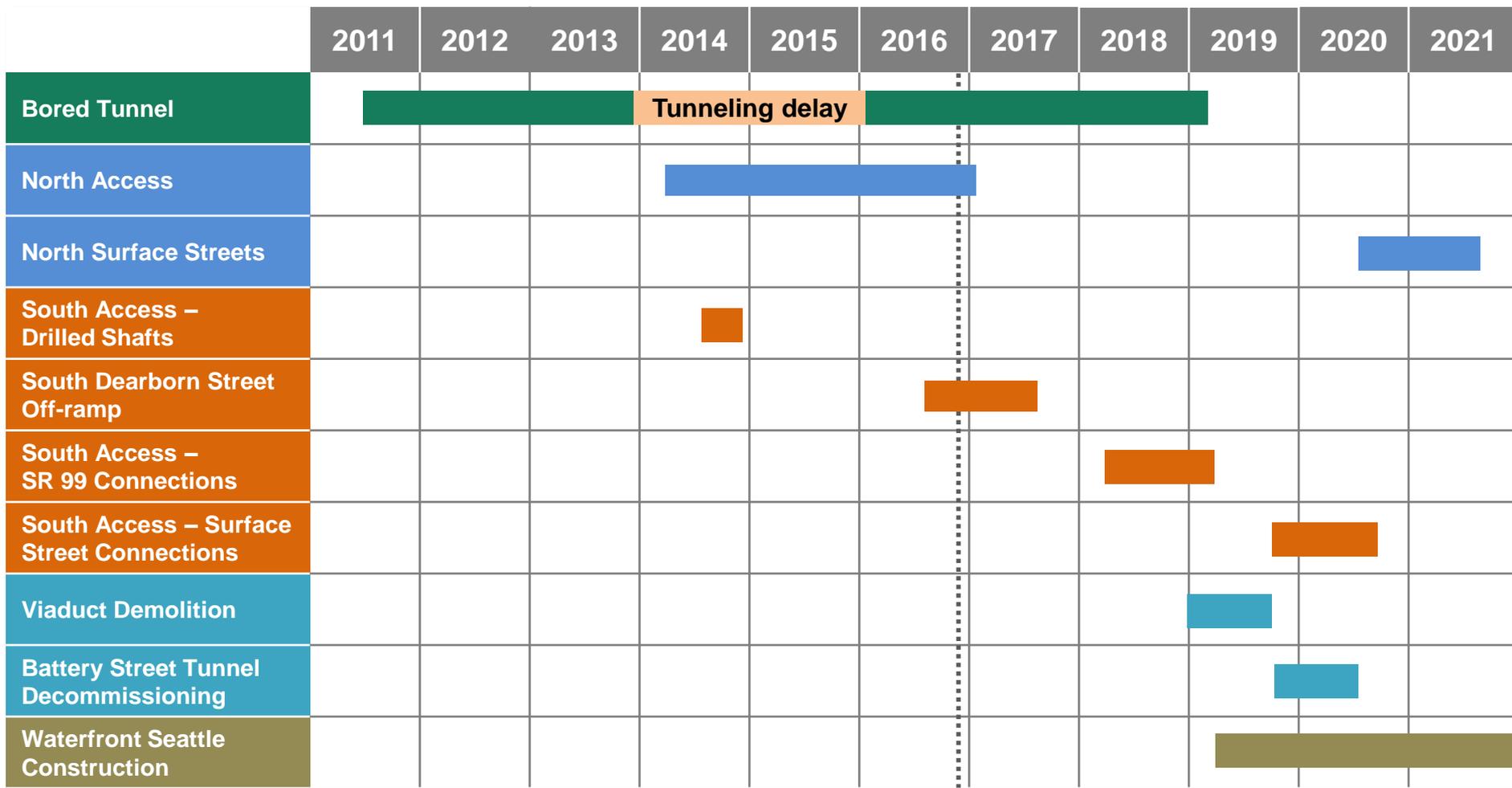
Interior roadway progress, Aug. 18, 2016

REMAINING TUNNEL CONTRACT WORK



* Tunnel opening in early 2019 following construction of roadway connections

PROGRAM CONSTRUCTION SCHEDULE



UNDER CONSTRUCTION: NORTH ACCESS PROJECT

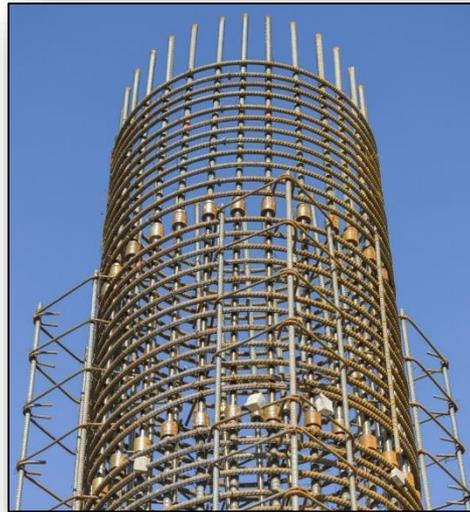
- Substantial completion:
January 2017
- Scope of work:
 - SR 99 on- and off-ramps
 - Connection between tunnel's north portal and Aurora Avenue North
 - Utility relocation
 - Landscaping
- Contractor:
Atkinson Construction



Future northbound roadway, looking south, Oct. 18, 2016

UNDER CONSTRUCTION: SOUTH DEARBORN STREET OFF-RAMP BRIDGE PROJECT

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



*Flexible rebar,
September 2016*



Future northbound SR 99 off-ramp bridge, Nov. 10, 2016

UPCOMING WORK: MAKING WAY FOR NEW INFRASTRUCTURE



Alaskan Way Viaduct demolition



Battery Street Tunnel decommissioning

UPCOMING WORK: CONNECTING THE STREET GRID



South Access projects

Tunnel connections and surface streets at the south tunnel portal

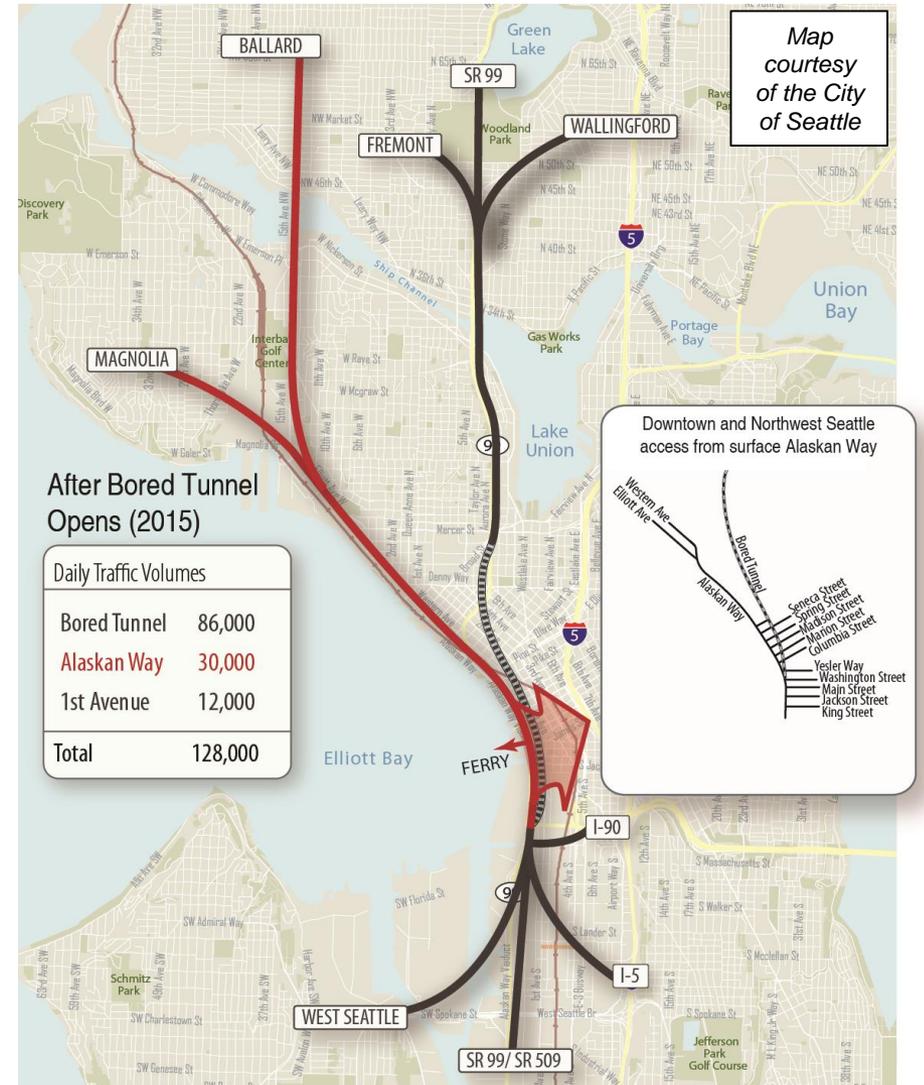


North Surface Street Connections

Reconnecting surface streets near the north tunnel portal

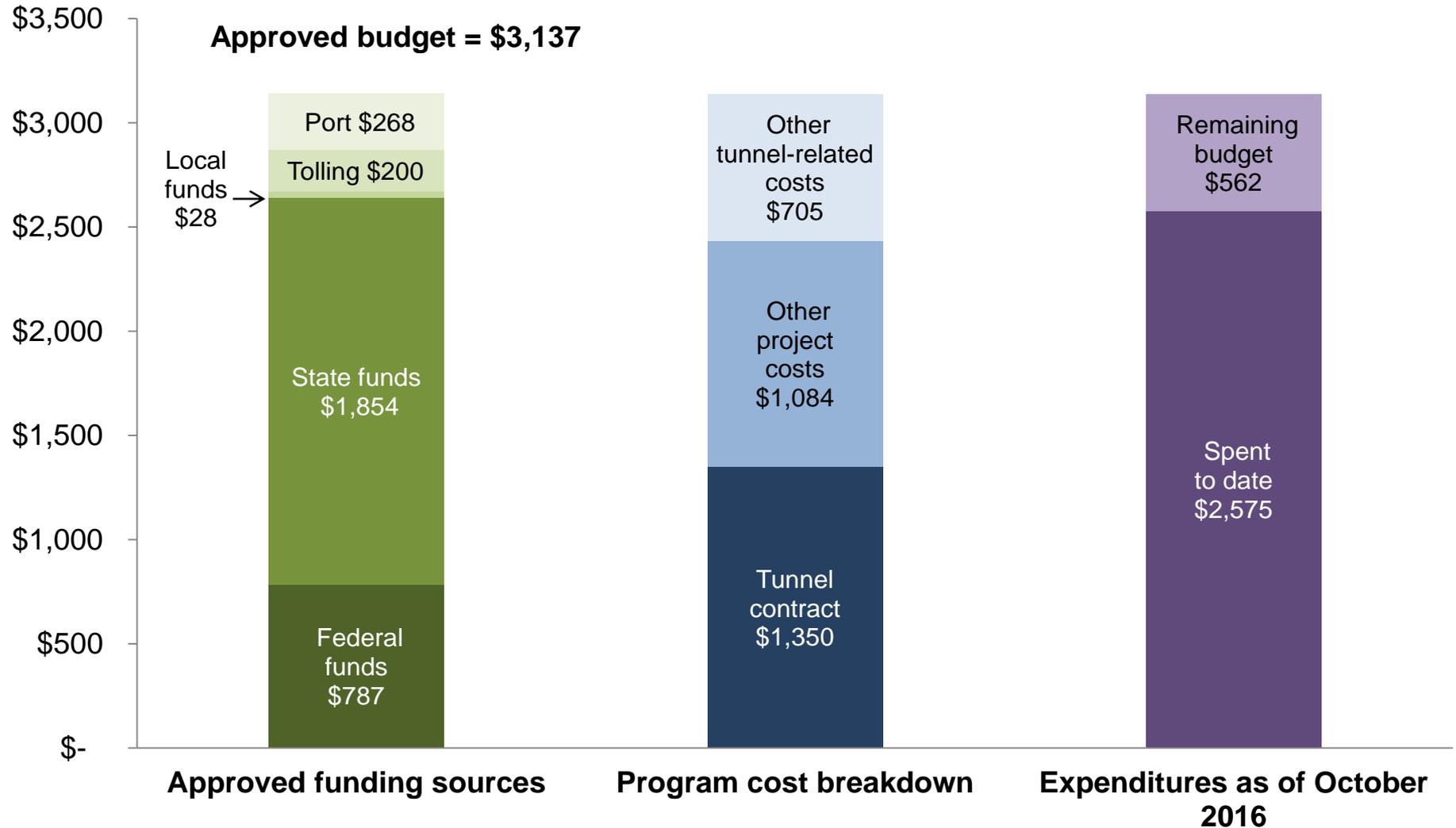
NEW ALASKAN WAY/ELLIOTT WAY SURFACE STREET

- Works with tunnel to move traffic to and through downtown Seattle
- Will accommodate freight, ferry traffic, and transit, as well as provide local access to waterfront
- CEVP workshop held in October 2016
- City of Seattle published final EIS on Oct. 31, 2016
- Funding agreement for final design signed Dec. 6, 2016
- Development of construction funding agreement underway



CURRENT PROGRAM BUDGET

Millions



SR 99 TUNNEL DESIGN-BUILD CONTRACT ALLOWANCES

Funds set aside in contract (allowances) ¹	Original amount	Expenditures through May 2016	Expenditures through October 2016
Deformation mitigation and repair	\$20 million	\$177,000	\$177,000
Port of Seattle	\$20 million	\$19.8 million	\$20 million ²
Schedule completion incentive	\$25 million	\$0	\$0
Shared contingency (hyperbaric work and differing site conditions)	\$40 million	\$12.2 million ³	\$12.2 million
Total	\$105 million	\$32.2 million⁴	\$32.4 million⁴

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

² Comprised of \$11.8 million executed contract change order and \$8.2 million in lease payments made directly to Port of Seattle.

³ Figure revised from July 2016 presentation.

⁴ Includes \$24.7 million in change orders from funds set aside in the contract.

SR 99 TUNNEL DESIGN-BUILD CHANGE ORDERS

Change order status	May 2016 ¹	October 2016
Change orders from allowance funds set aside in the contract	\$24.7 million	\$24.7 million
All other executed change order amounts from contingency	\$46.9 million	\$47.4 million ²
Total executed change orders	\$71.6 million	\$72.1 million

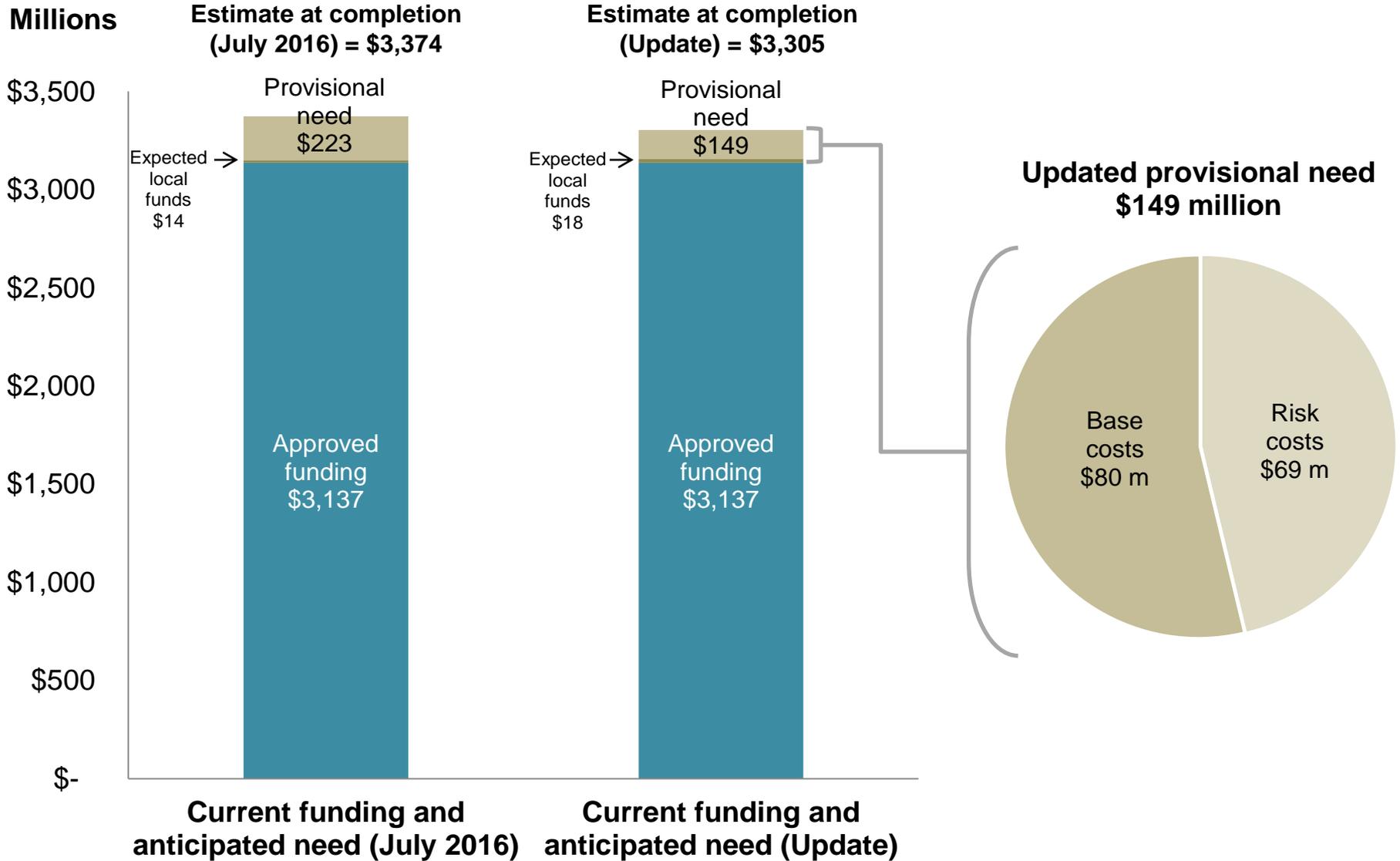
¹ May figures revised from July 2016 presentation.

² Represents 3.4 percent rate of change beyond contract allowances compared to total expenditures (\$1.38 billion as of October 2016).

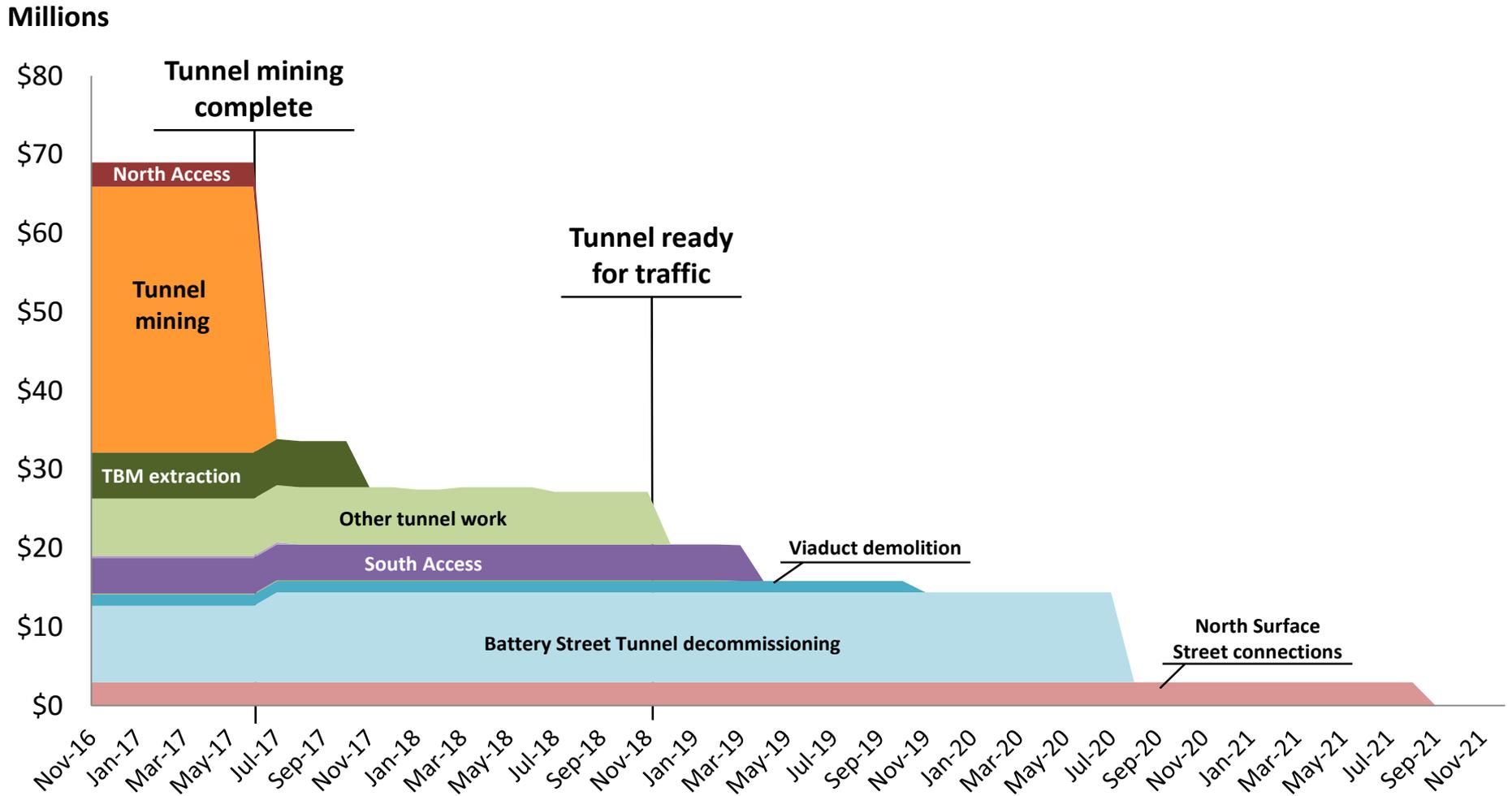
INTEGRATED PROGRAM MANAGEMENT: BUDGET REFINEMENTS MADE SINCE JULY 2016

- Validated and updated program schedule
- Updated base costs to complete each project
- Performed Cost Risk Evaluation workshop for entire program
 - Detailed risk identification and analysis for each project
 - Statistical model identified overall programmatic risk scenarios
 - Applied standard 60 percent probability to further refine estimated cost to complete
- Aged funds for resulting cost estimate and risk based on program schedule
- Aligned staffing and overhead to program schedule

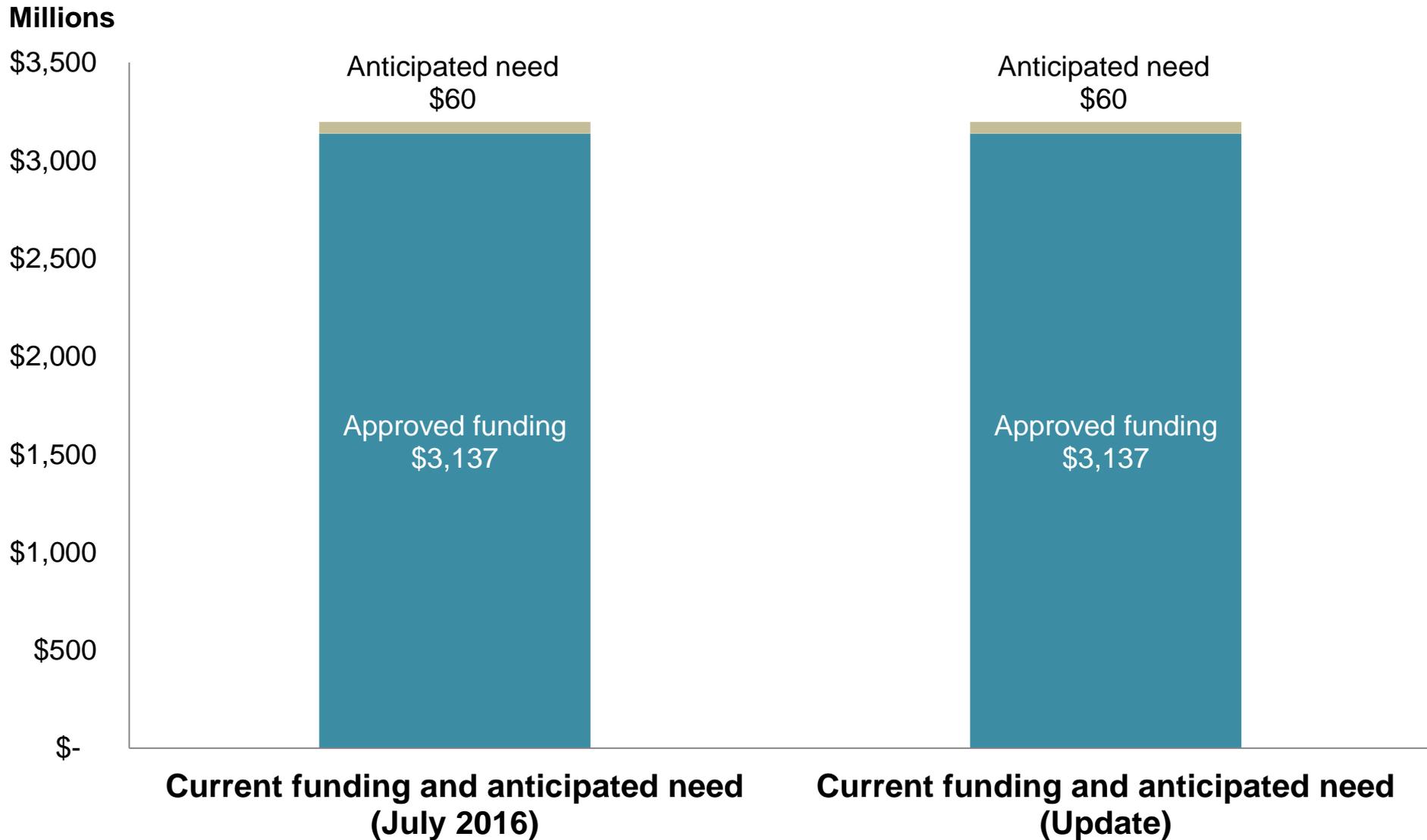
PROGRAM BUDGET STATUS: UPDATED ESTIMATE AT COMPLETE



PROGRAM BUDGET STATUS: CONTINGENCY COSTS OVER TIME



PROGRAM BUDGET STATUS: 2017 – 2019 BIENNIUM NEED



HOW TO REACH US



*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