

Alaskan Way Viaduct **REPLACEMENT** PROGRAM



City Council Presentation
Sept. 8, 2014

Today's Agenda

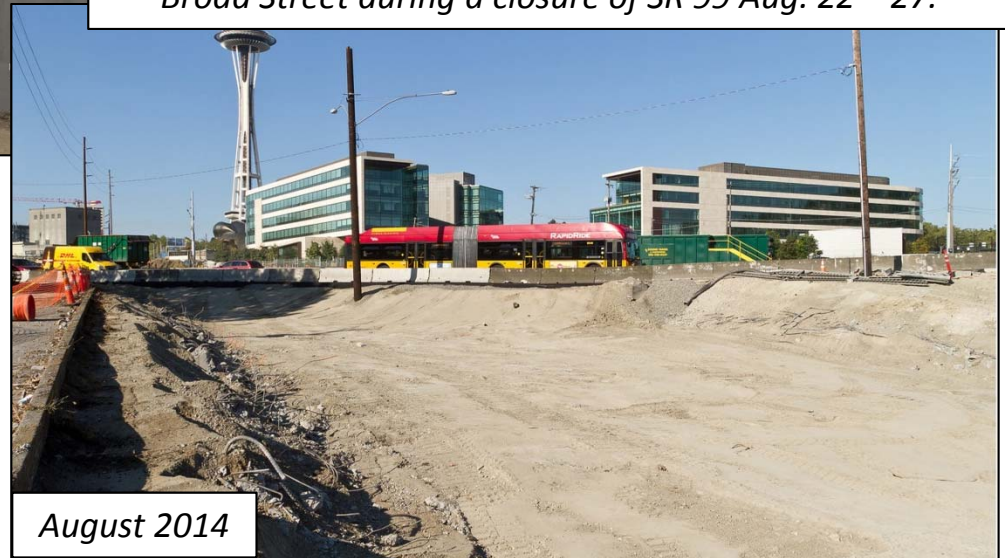


- August SR 99 closure wrap up
- STP's progress to build the access pit and repair Bertha
- Construction progress at tunnel portals
- Update on work opportunities for disadvantaged businesses



June 2014

Crews demolished and replaced the SR 99 bridge over Broad Street during a closure of SR 99 Aug. 22 – 27.



August 2014

SR 99 closure Aug. 22 – 27

CONSTRUCTION RECAP₃

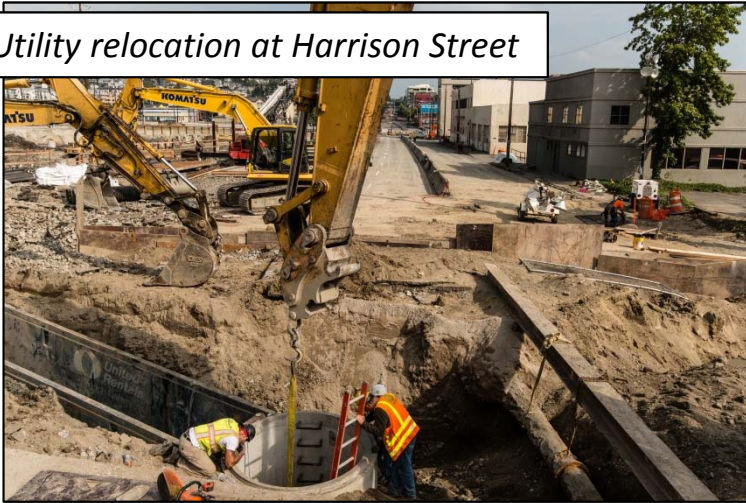
Crews demolished and replaced the SR 99 bridge over Broad Street during a closure of SR 99 Aug. 22 – 27.



SR 99 closure Aug. 22 – 27

CONSTRUCTION RECAP₄

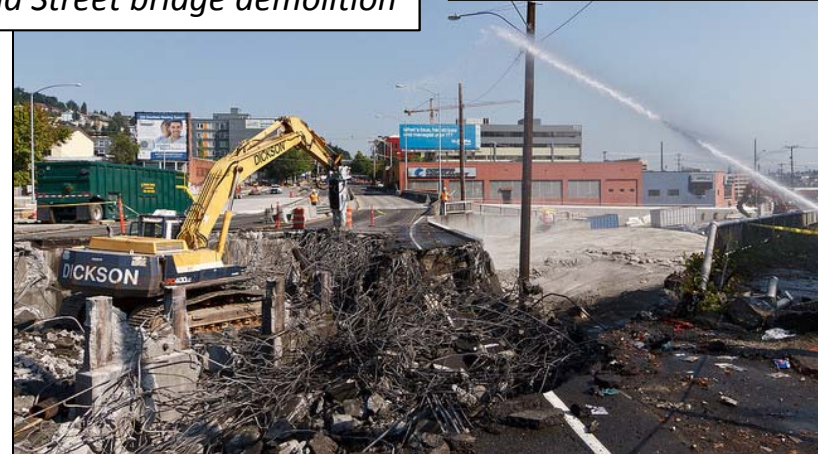
Utility relocation at Harrison Street



Expansion joint repair at Seneca Street



Broad Street bridge demolition



Concrete panel replacement in SODO



SR 99 closure Aug. 22 – 27

CONSTRUCTION RECAP



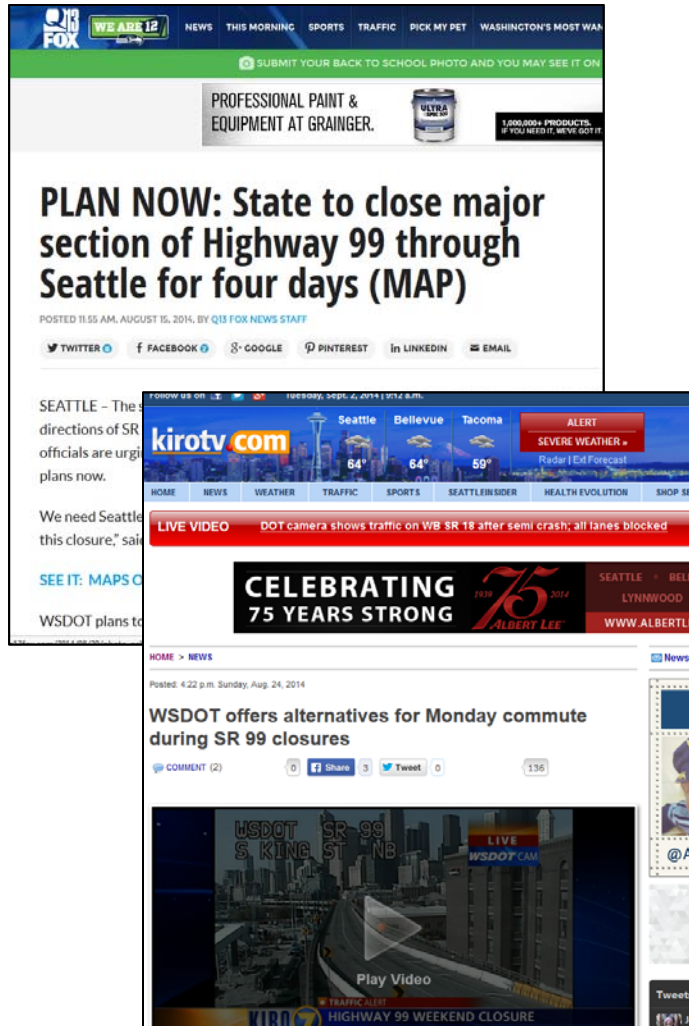
Trucks spread fill dirt before crews pave the roadway.

- **102** hours of construction
- **7,000** cubic yards of fill material added to former Broad Street
- **340** cubic yards of concrete demolished and reused as part of fill material for new roadway
- **92** tons of rebar recycled
- **165** feet of new sewer and electric duct banks installed at Harrison Street
- **81** concrete panels replaced or repaired on SR 99 in SODO
- **23** police officers directing traffic during weekday commutes

SR 99 closure Aug. 22 – 27

CONSTRUCTION RECAP

Alaskan Way Viaduct **REPLACEMENT** PROGRAM

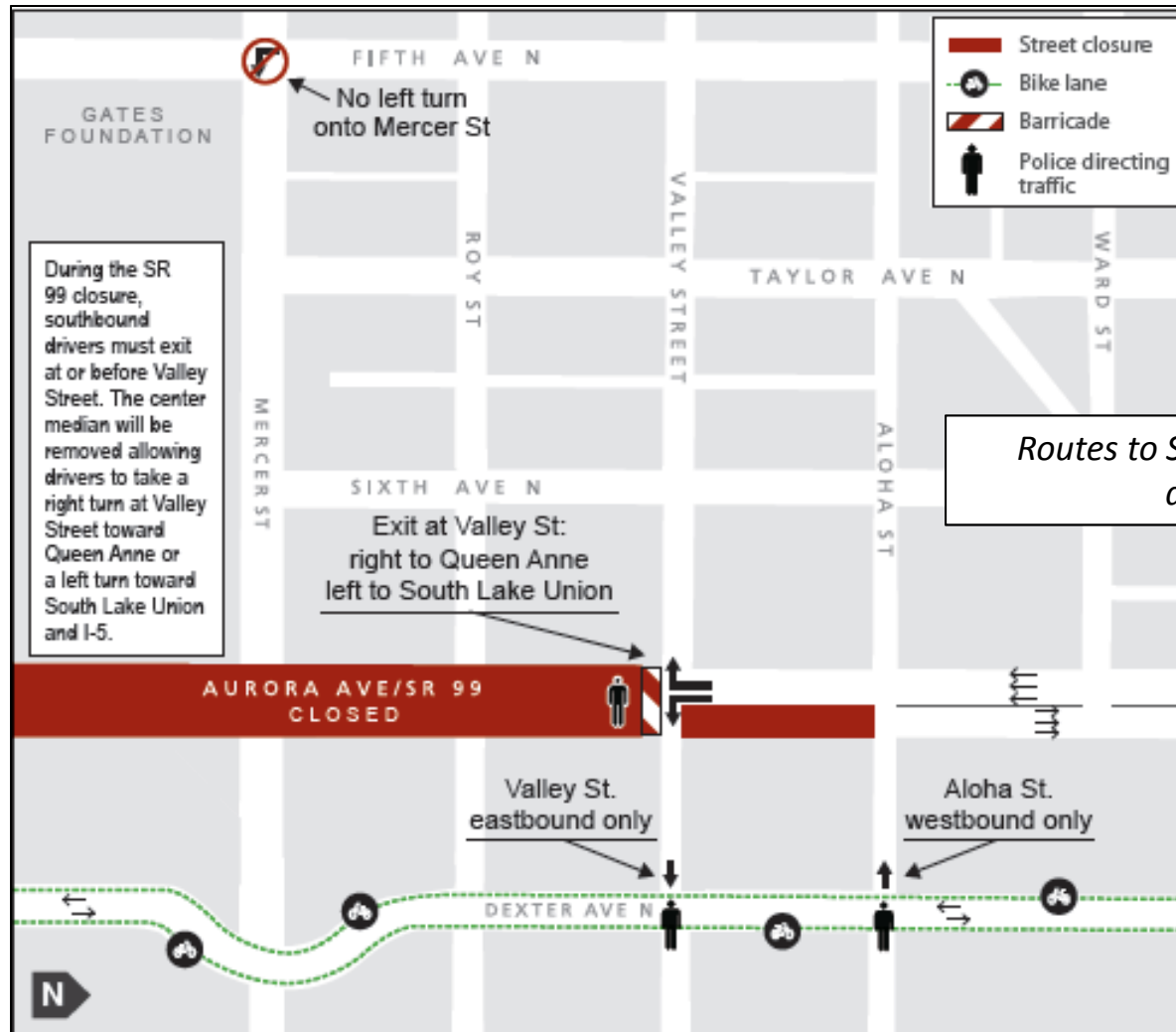


Media coverage before and during closure.

- 35 media stories prior to and 41 during the closure
- 187 community groups and stakeholders around the region notified
- 18 ads on neighborhood blogs
- 32 message signs throughout Seattle
- 9,000 views of the Broad Street demolition time-lapse video
- 29,000 AWWV homepage views during August
- 68,600 views of WSDOT Facebook closure posts
- 98,900 views of closure Tweets

SR 99 closure Aug. 22 – 27
OUTREACH RECAP

Alaskan Way Viaduct REPLACEMENT PROGRAM



Routes to South Lake Union and Queen Anne during the SR 99 closure.

SR 99 closure Aug. 22 – 27
TRAFFIC RECAP₈

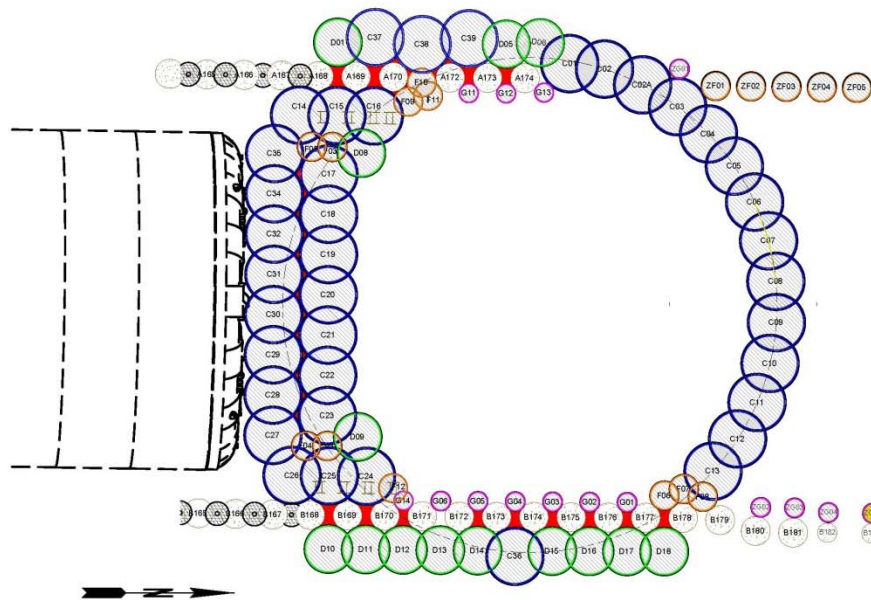
Build the Access Pit's Walls



Repairing

BERTHA

As of September 3, 83 of 84 piles have been installed. The access pit walls are complete.



LEGEND

- | | |
|--|--|
| JET GROUT | 2.5m STRUCTURAL SECANT PILE (PRIMARY) [TYPE D] |
| EXISTING SESMP PILES (SOUTH END SETTLEMENT MITIGATION PROGRAM) | 1.5m STRUCTURAL SECANT PILE (PRIMARY) [TYPE F] |
| 3.0m STRUCTURAL SECANT PILE (PRIMARY) [TYPE C] | 1.0m STRUCTURAL SECANT PILE (PRIMARY) [TYPE G] |
| | REMAINING PILES |
| | REMAINING STRUCTURAL GROUT |

Repairing

BERTHA 10

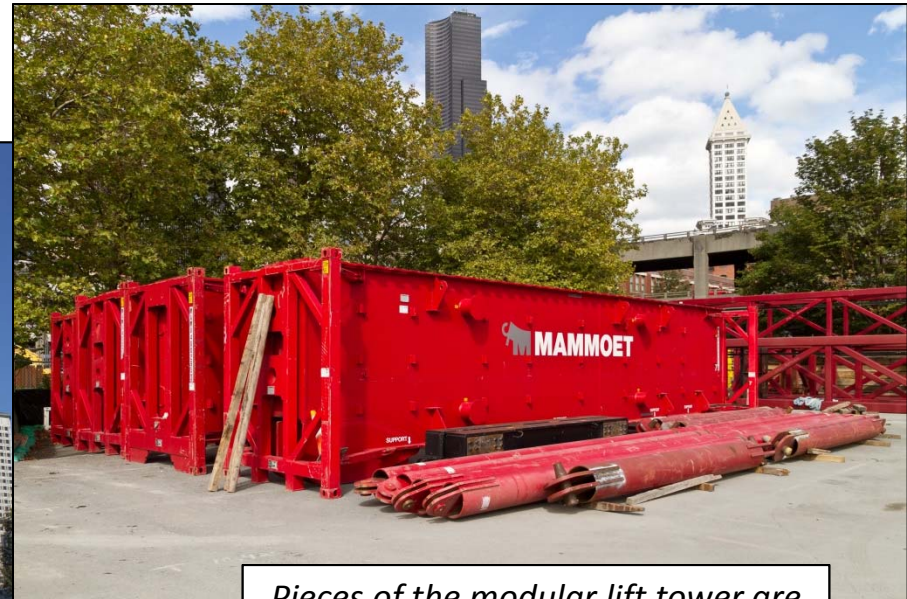
Crews pour concrete for one of the piles that will support the modular lift tower.



Repairing

BERTHA

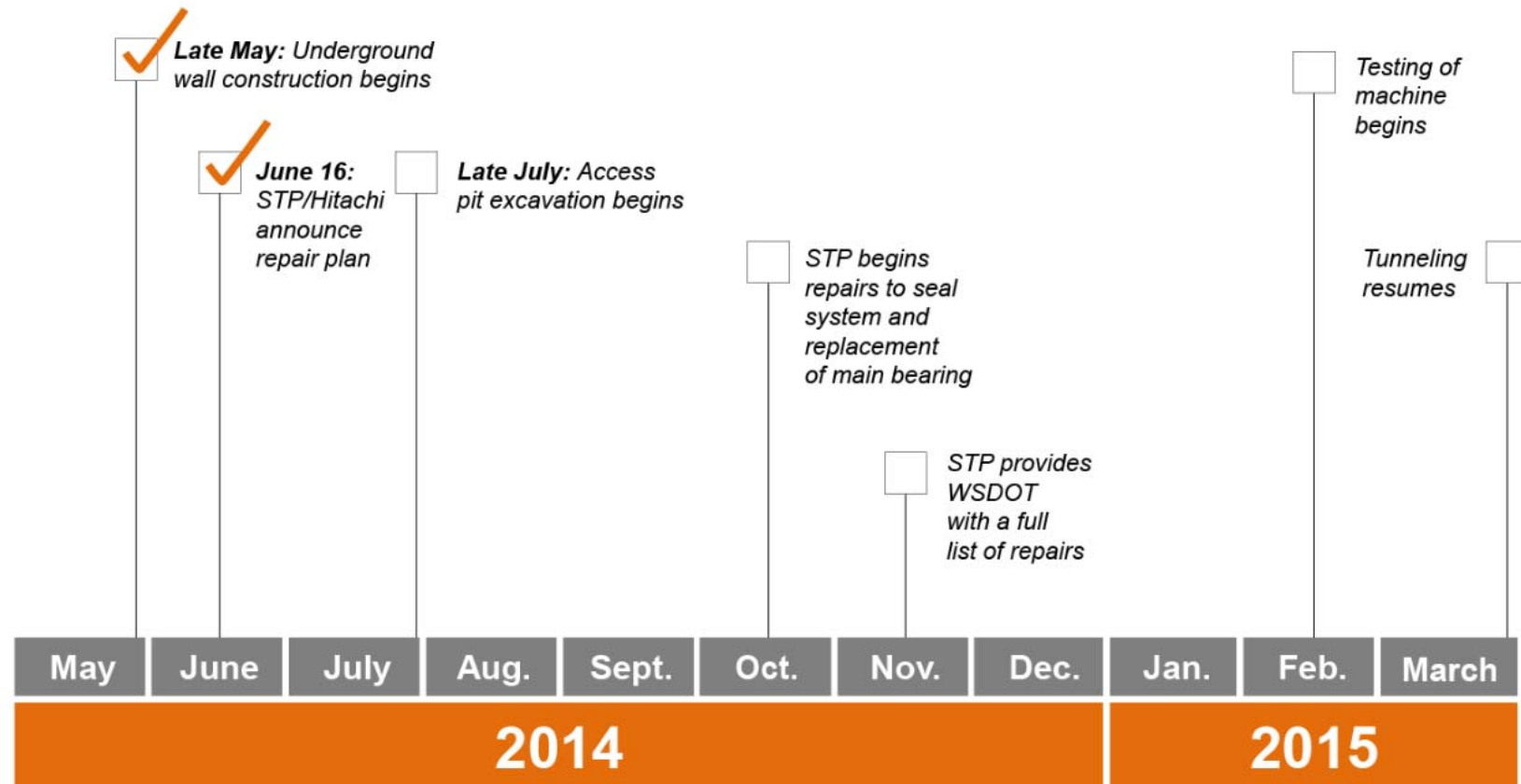
Crews use a crane to unload a piece of the modular lift tower.



Pieces of the modular lift tower are being staged in the work zone until assembly later this fall.

Repairing
BERTHA

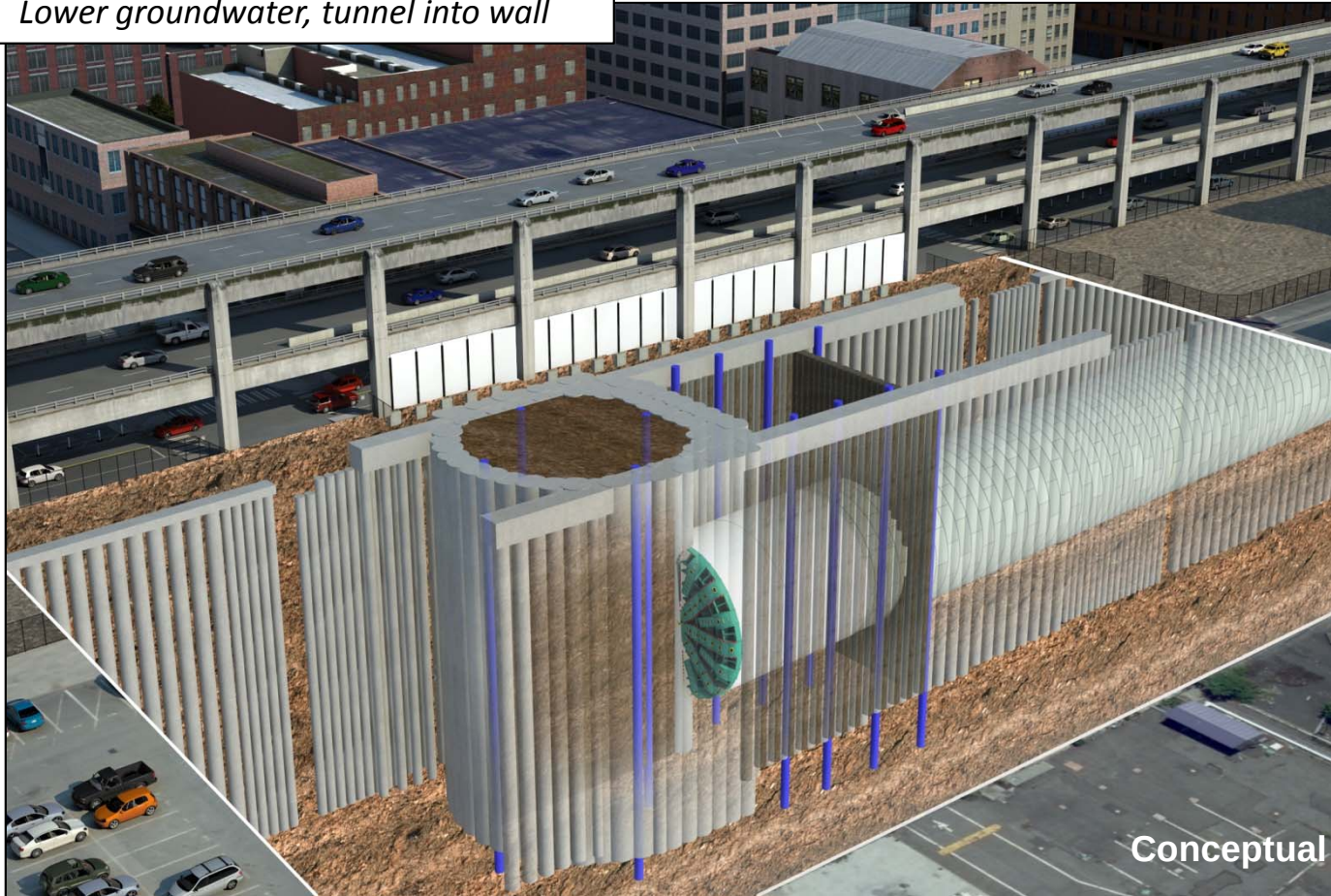
STP's schedule



Repairing

BERTHA

Lower groundwater, tunnel into wall

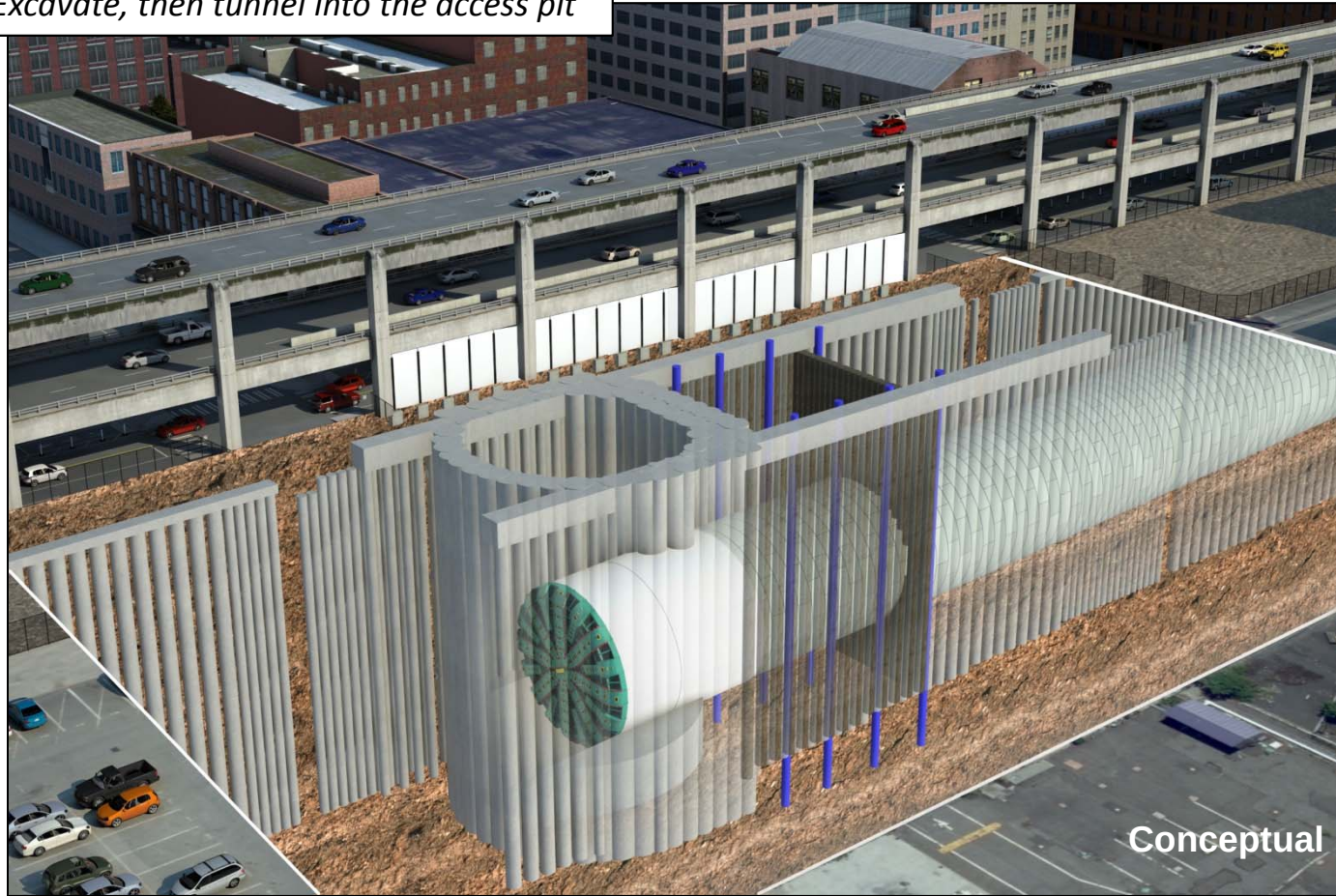


Conceptual

Repairing

BERTHA

Excavate, then tunnel into the access pit



Repairing

BERTHA

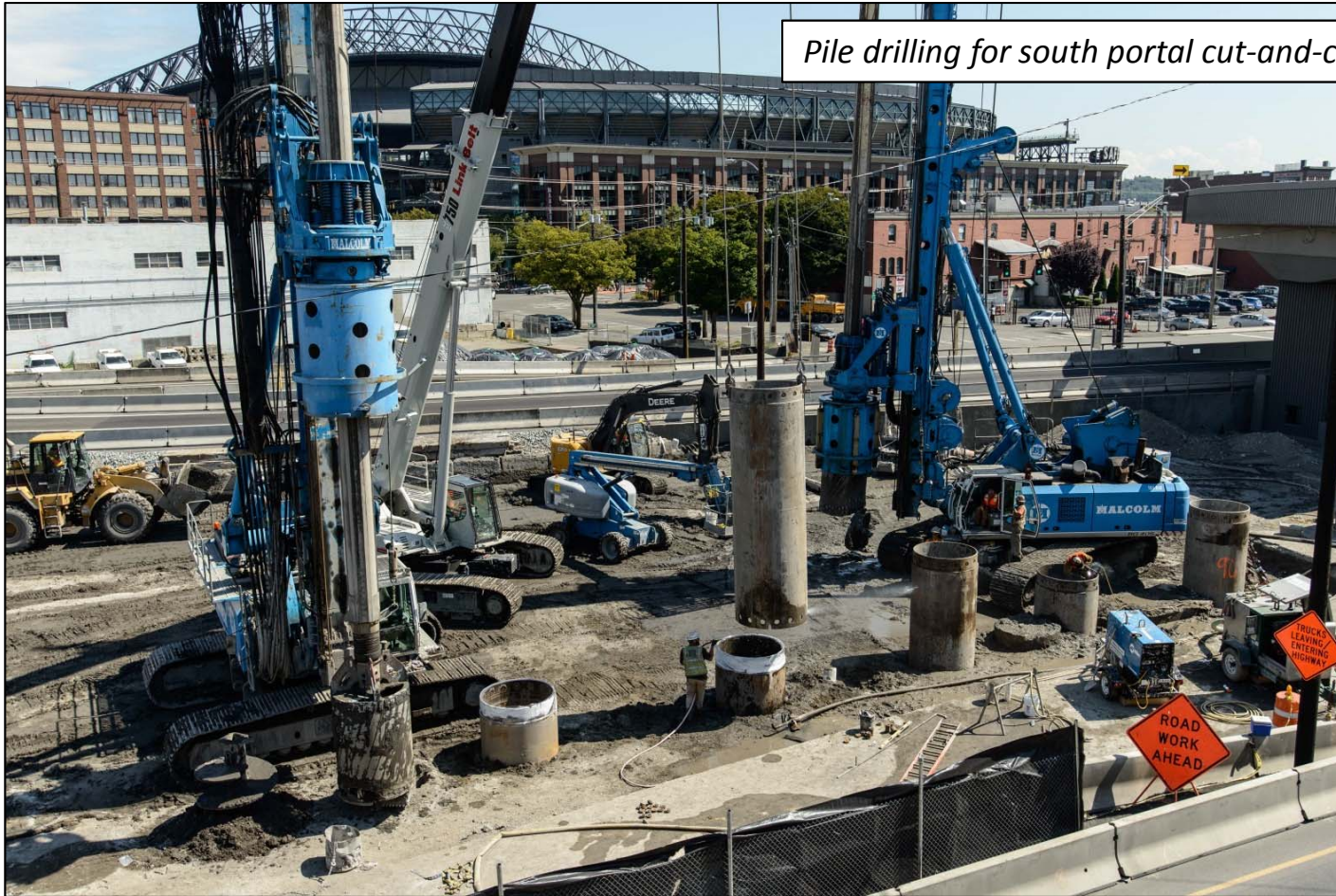


Building the **NORTH
PORTAL**



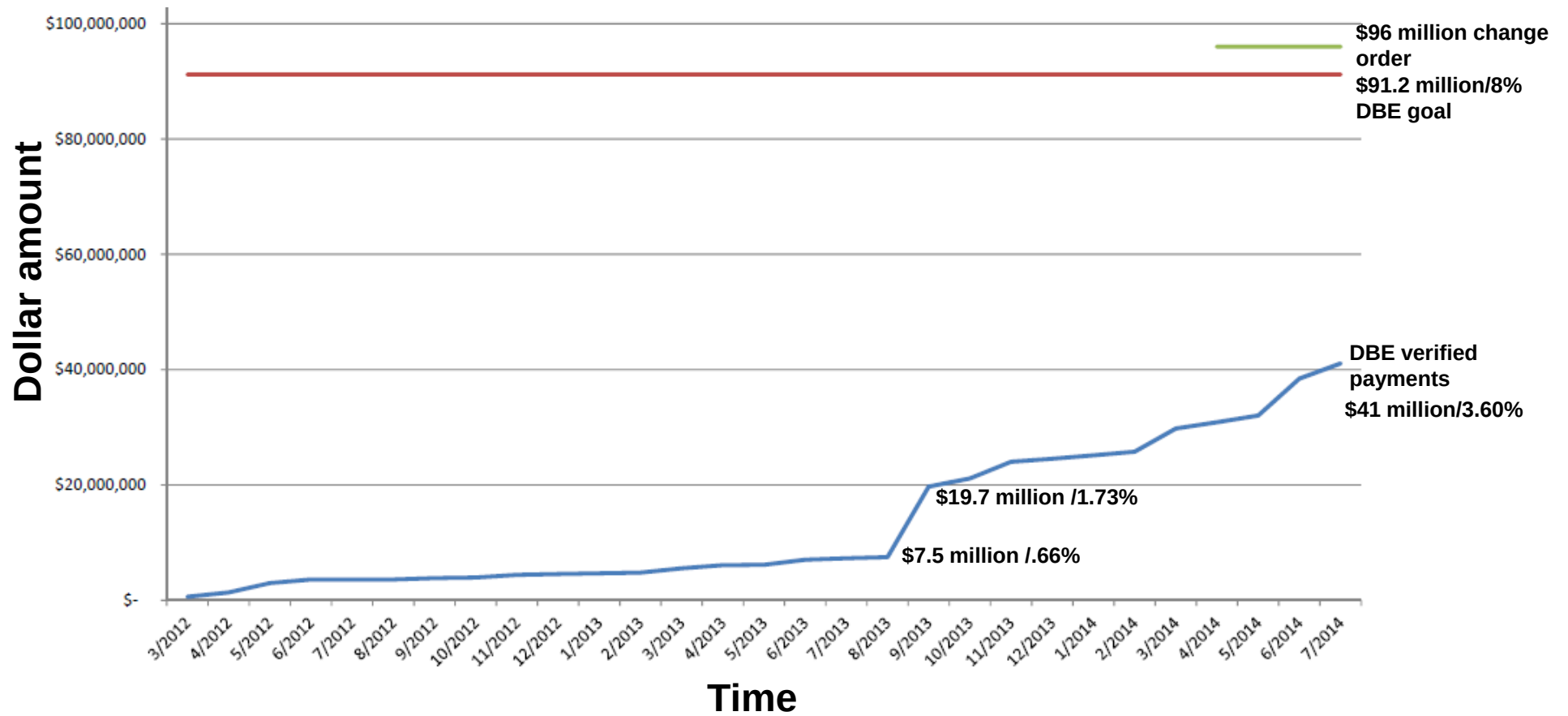
Crews make progress on the north portal cut-and-cover roadways and operations building.

Building the **NORTH
PORTAL**



Pile drilling for south portal cut-and-cover roadway walls.

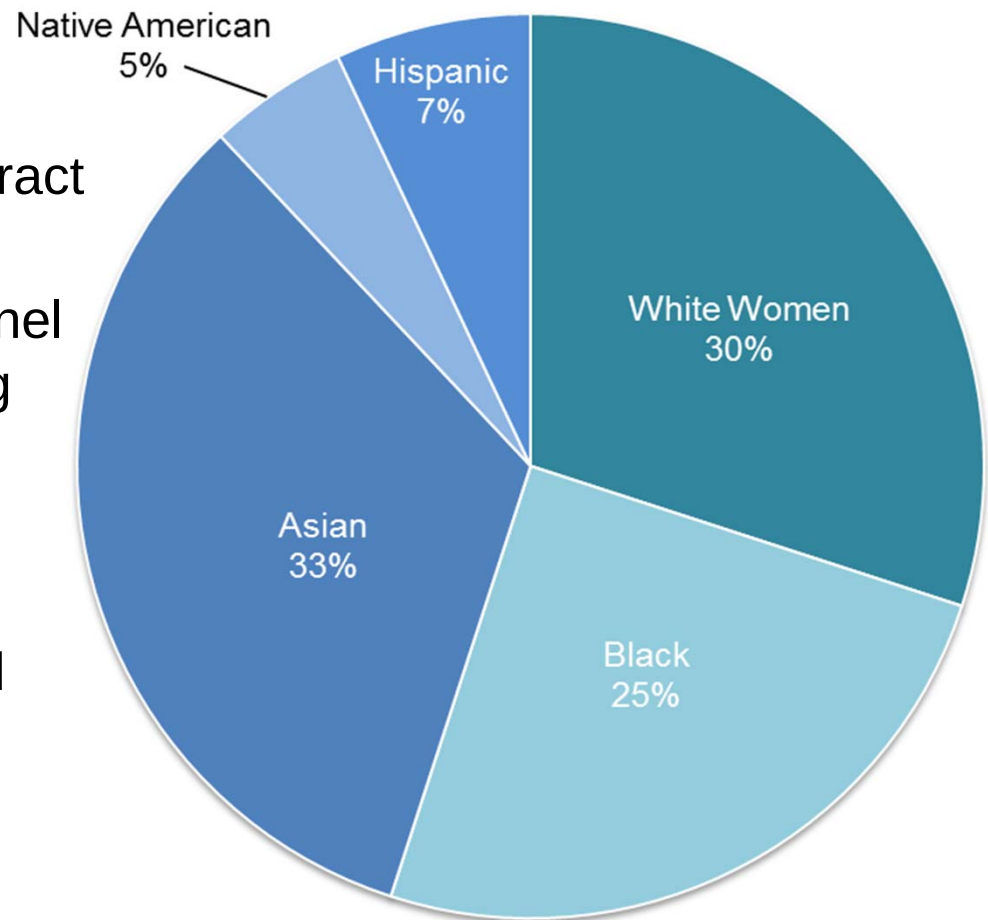
Building the **SOUTH**
PORTAL



Seattle Tunnel Partners'

DBE PROGRESS

- SR 99 Tunnel Project DBE contract requirement is \$96 million.
- Through July 2014, Seattle Tunnel Partners has made the following progress:
 - Awarded contracts to 84 certified DBE firms.
 - \$41 million is being counted toward the DBE contract requirement and goal.



Seattle Tunnel Partners'
DBE PROGRESS

84 DBE firms have received contracts with STP through July 2014

3D InFusion	Earth Mechanics, Inc.
AAR Testing Laboratories, Inc.	Emerald City Weatherproofers
Adept Mechanical	Environmental Management Training
Amaya Electric	EPC Consultants, Inc.
Bear Wood Windows	Excel Supply Company
Berona Engineers Inc.	Exeltech Consulting Inc
BEST CCLS INC	Fryer-Knowles, Inc.
Birch Equipment Rental & Sales, Inc.	Gibson Door & Millwork
Bolima Drafting & Design Inc	Global Concrete Cutting
C & E Transport Corp	Global Geophysics
C2PM	Grady Excavating
Cascade Concrete Products Co., Inc.	Greylock Consulting LLC
Casseday Consulting	Highway Specialties LLC
Catherine Bassetti	Integrated Design Engineers, LLC
Chudgar Engineering Company	J. Harper Contractors Inc.
CivilTech Engineering	JMR Trucking
Convergent Pacific	JP Francis & Associates
DBE Electric	KBA Inc/ Kristen Betty & Associates Inc.
DHD Trucking	Kiawa Trucking LLC
DKA	Leajak Concrete Construction Inc.
Duncan Asphalt	Lorache CAD/IT Services LLC

Seattle Tunnel Partners'

DBE PROGRESS

84 DBE firms have received contracts with STP through July 2014

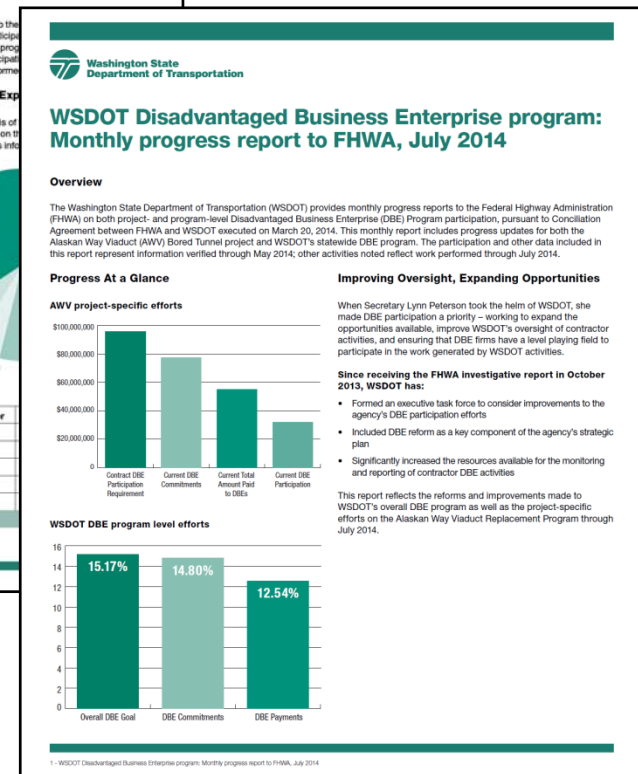
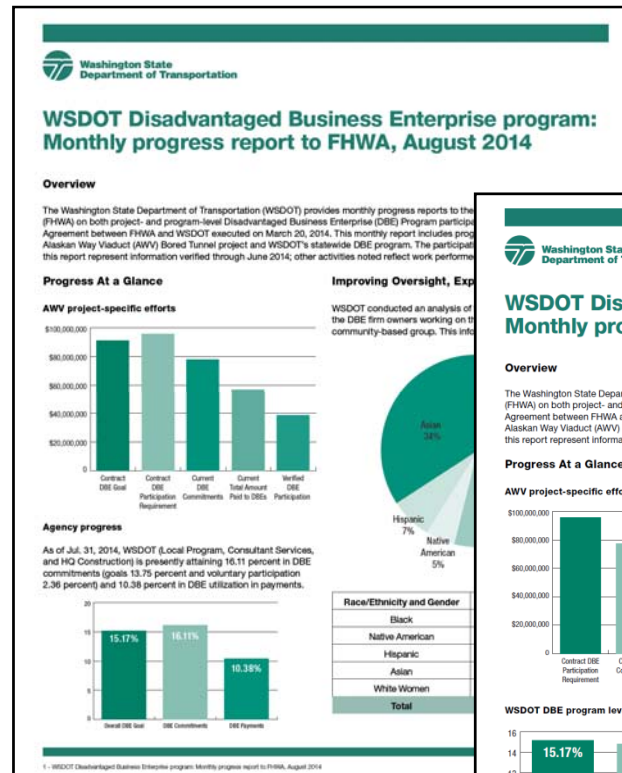
Magnum Crane LLC	Quality Discount Supplies & Services
Maks Dump Truck	Rebar International Inc.
Marshbank	Rose Super Clean and Park Management
Marine Vacuum Service Inc.	Saez Consulting Engineers Inc.
MindSeekers, LLC	Savage Logistics, LLC
Mobile Electrical Distributors Inc.	Scheduling and Information Services
Nolan Morrison	Schemata Workshop
Novito Construction Inc.	Sea Tac Sweeping Service
NVL Laboratories	SSB Trucking & Construction
Oatridge Security Group Inc.	ST Fabrication/ Jabez
OMA	Steelkorr
O'Neill Service Group	Sundancer
On-Site Environmental Inc.	Sunset Welding Inc.
Osborn Consulting Inc.	The Bag Lady
Osborn Pacific Group Inc.	Transcon
Osiris Enterprises LLC	Trinity Development
Pacific Geo Engineering	TripleNet Technologies
Ponglia Trucking Inc.	Wakerobin
Pro USA	Wayron
PRR, Inc.	West Coast Printing
Puget Sound Utilities	Yonemitsu Geological Services

Seattle Tunnel Partners'

DBE PROGRESS

WSDOT submits monthly DBE progress reports to FHWA as part of the conciliation agreement. The following reports have been submitted in 2014:

- July 25
- August 29



Seattle Tunnel Partners'

DBE PROGRESS

How to REACH US



*Our information center,
Milepost 31, is located
at 211 First Ave. S. in
Seattle's Pioneer
Square neighborhood.*

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