Alaskan Way Viaduct
REPLACEMENT
PROGRAM

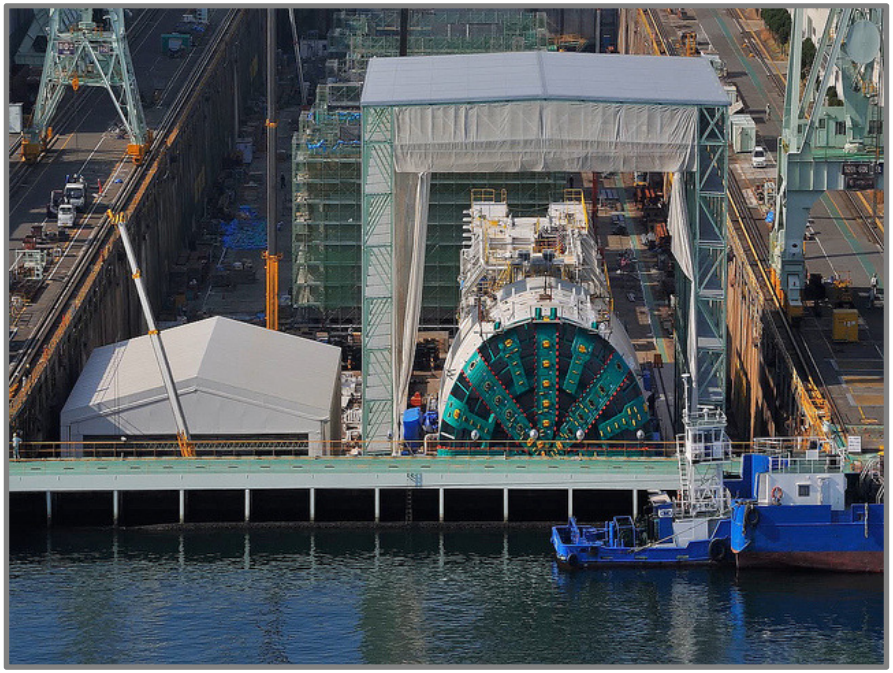
Seattle City Council

Jan. 28, 2013

U.S. Department of Transportation Federal Highway Administration | WSDOT | King County | Port of Seattle | City of Seattle

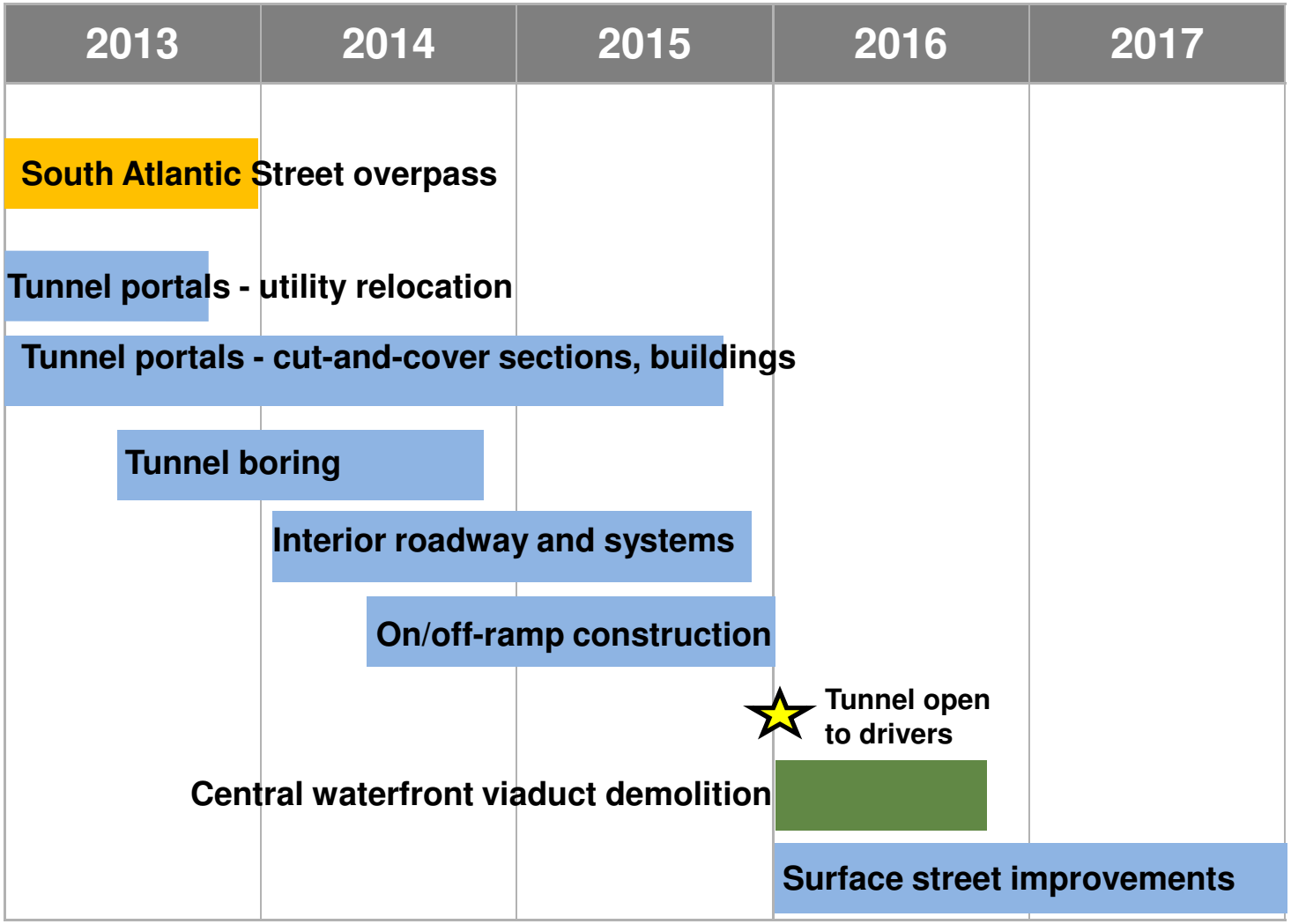
Meeting Overview

- South-end viaduct replacement construction update.
- SR 99 Tunnel Project.
  - Construction update.
  - Monitoring equipment installation.
  - Tunnel boring machine progress.



The SR 99 tunnel boring machine in Osaka, Japan.

Construction Timeline



The New SR 99 Bridges

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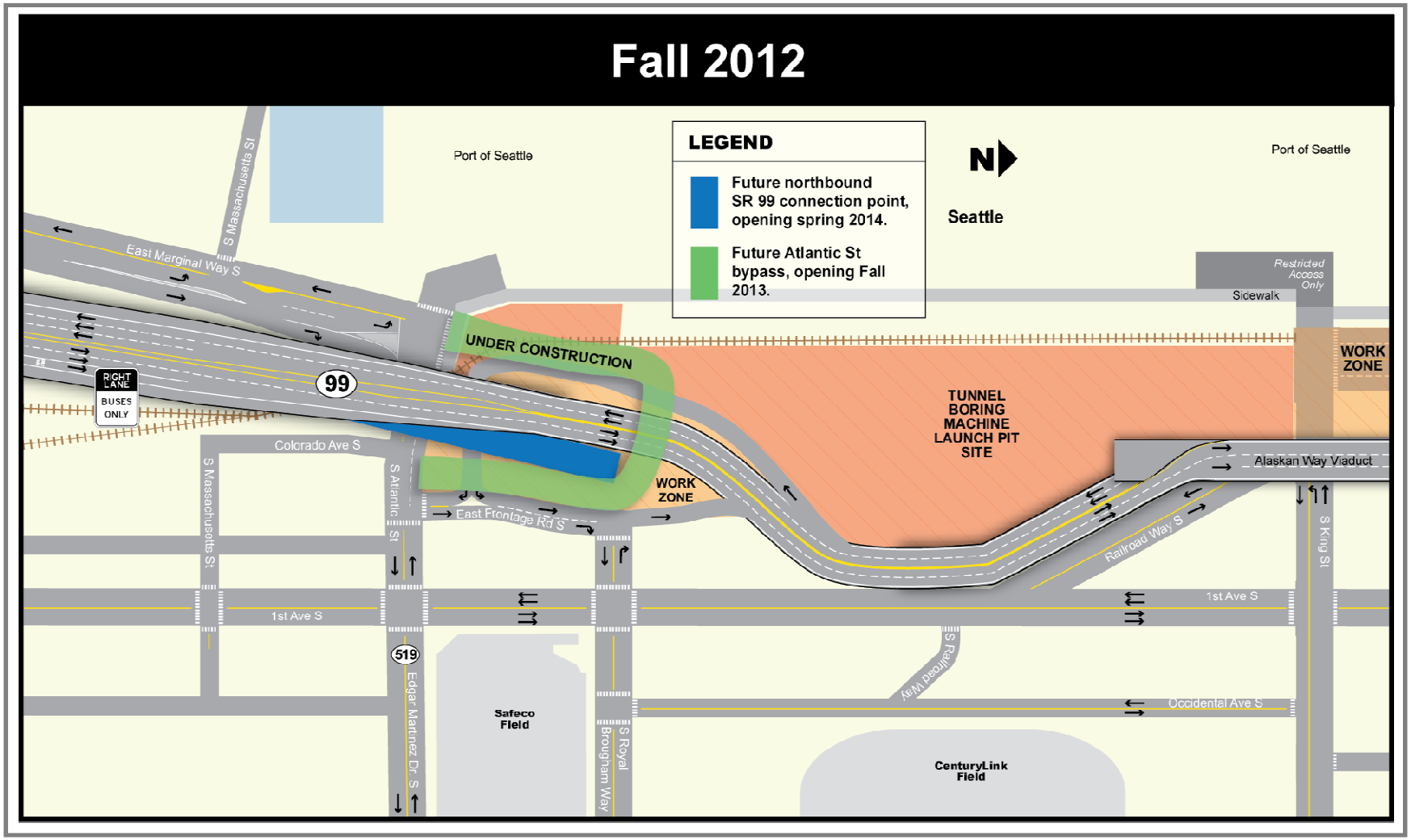
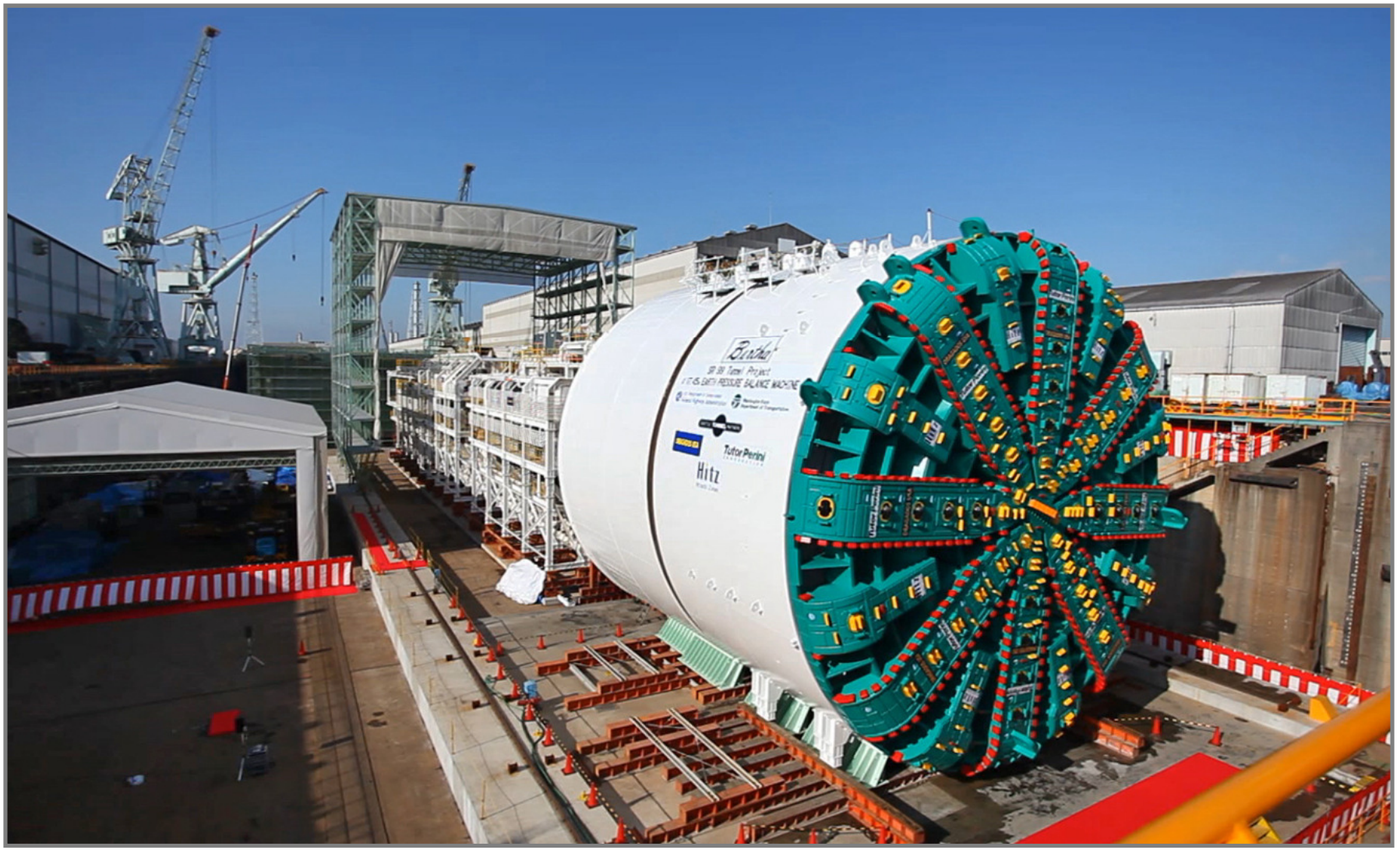
Building a New Overpass



Excavating the Tunnel Launch Pit

Meet Bertha, the Tunnel Boring Machine



Protecting Structures Along the Tunnel Route

Crews install micropiles near the Western and Polson buildings.

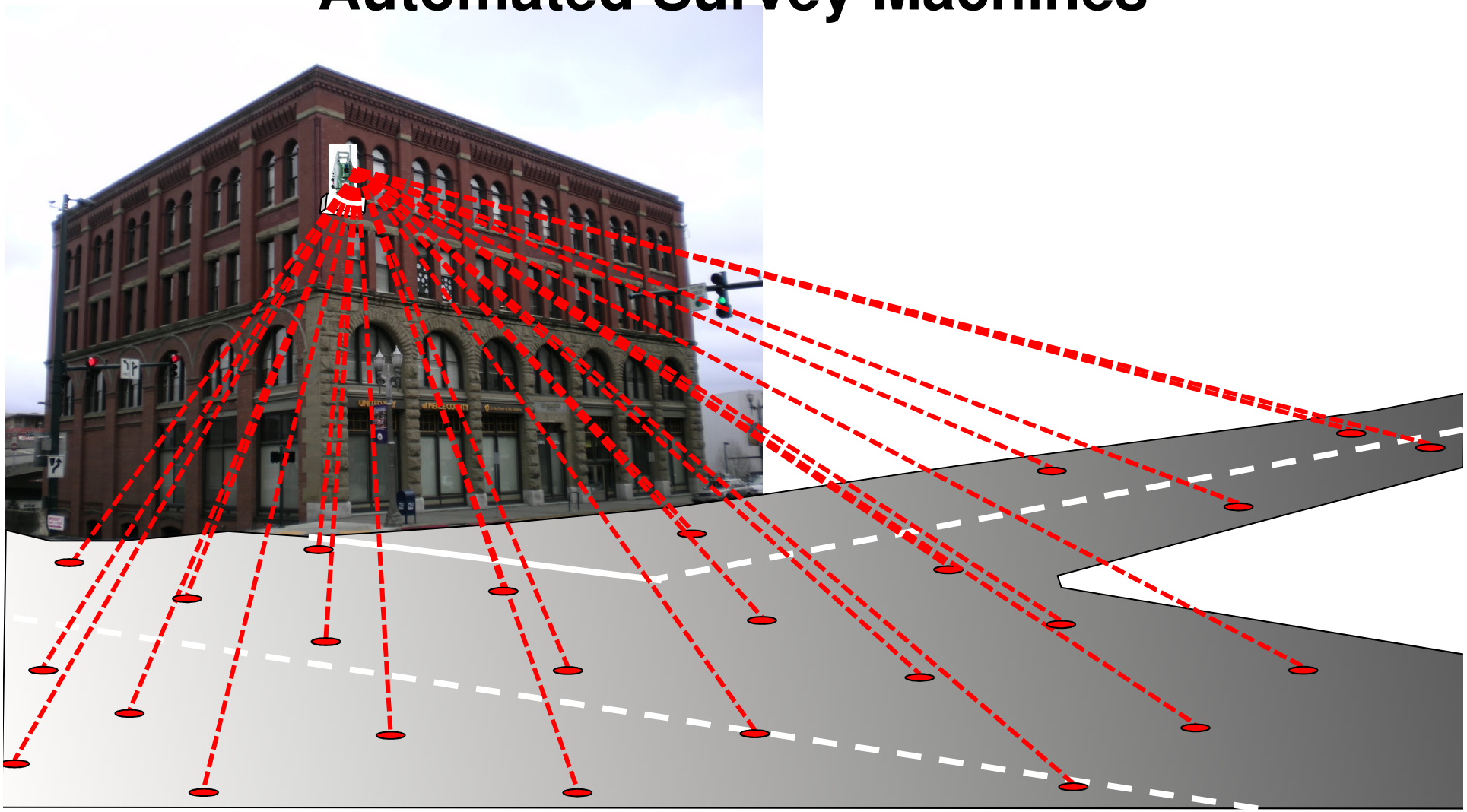
Crews finished reinforcing a section of the viaduct last fall.

Settlement Monitoring Program

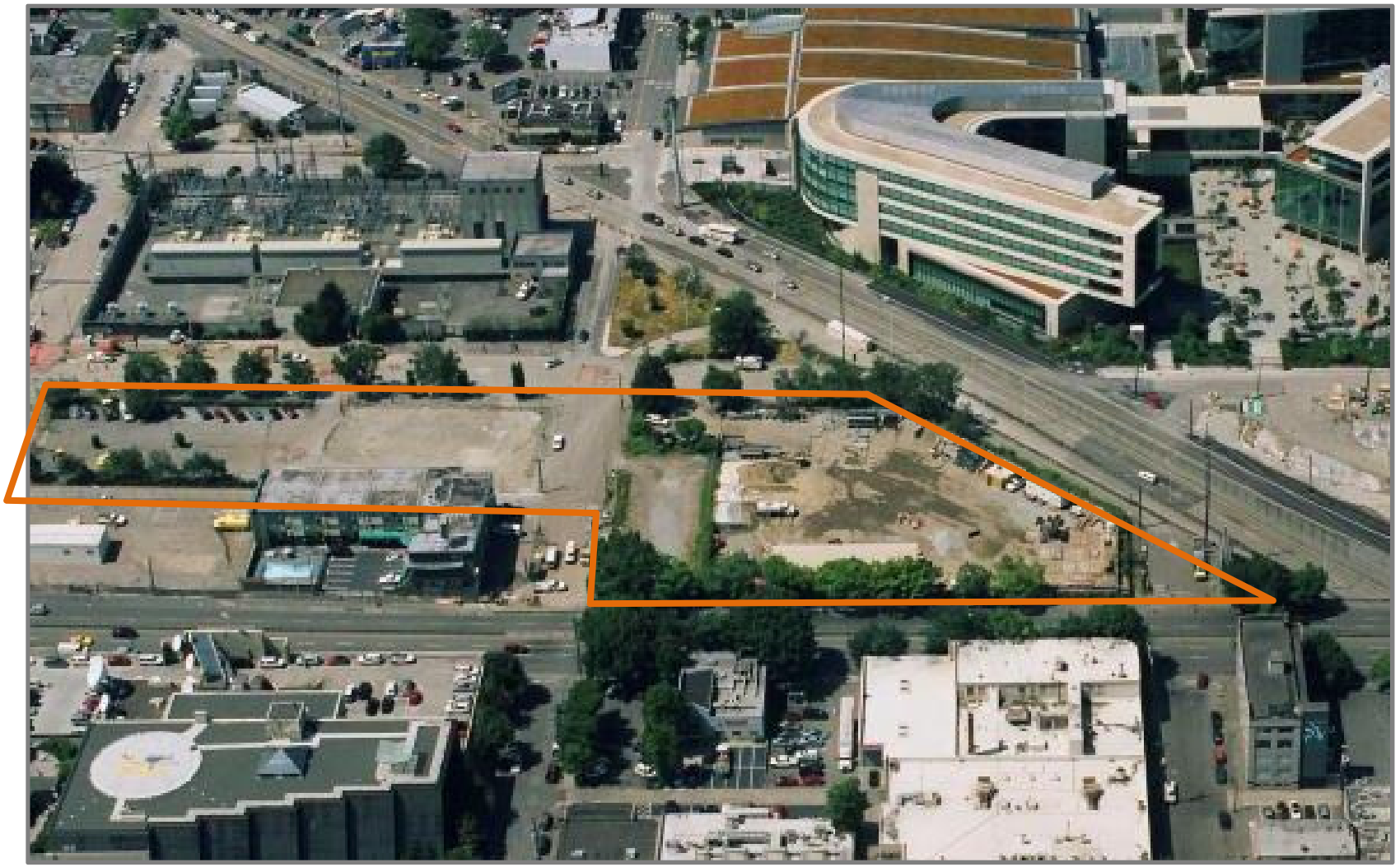
Monitoring equipment installed near Pioneer Square.

- Install monitoring equipment on nearly 200 buildings.
- Install 700 instruments under streets and sidewalks to measure any ground changes.
- Track measurements of excavated material as tunnel boring machine progresses.
- Use satellite images to assess any changes in ground condition.

Automated Survey Machines



Building Tunnel Receiving Pit



Upcoming Program Milestones

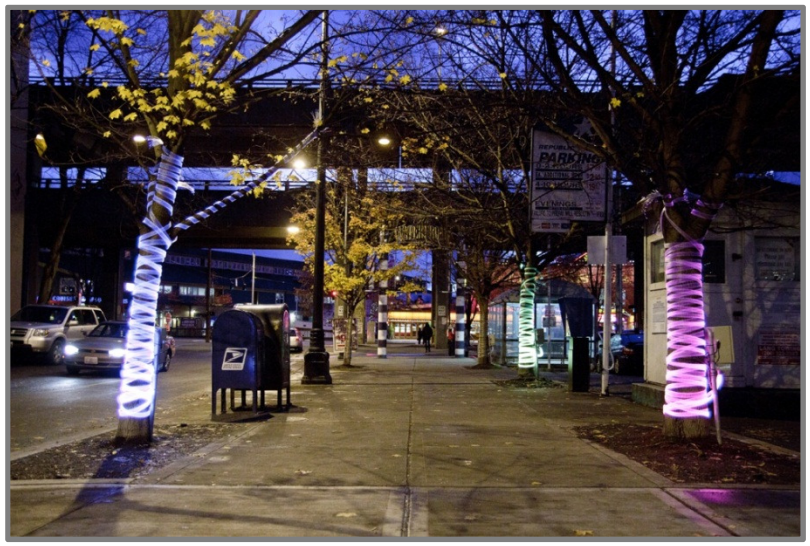
- TBM completed and shipped to Seattle (spring 2013).
- Arrival of tunnel boring machine (spring 2013).
- Tunneling starts (summer 2013).
- North Access Project goes to ad (summer 2013).
- South Atlantic Street overpass opens (end of 2013).

Transporting the tunnel boring machine for the ESCSO Tunnel Project in Portland, Oregon.

An example of a jumbo ship in transport.

Parking Mitigation Latest Accomplishments

- Mother's Day parking promotion (May 2012).
- New Sunday parking restrictions.
- New parking website: www.DowntownSeattleParking.com.
- 2012 summer and holiday seasons marketing campaigns including radio, print and online ads.
- University Street tree lighting.
- First Thursday parking promotion (November 2012 – May 2013).
- Wayfinding sign inventory.



University Street tree lighting.

Ongoing Stakeholder Coordination

The AWV program continues to coordinate regularly with:

- North and south portal working groups (quarterly).
- Parking Stakeholders Group (monthly).
- Maintenance of traffic teams with corridor stakeholders (weekly).
- Pioneer Square and waterfront businesses and residents (as needed).

Pioneer Square neighborhood, photo courtesy of Alliance for Pioneer Square.

ACTT Progress Report

Policy issues raised by committee in the progress report:

- State to prioritize use of toll revenue.
- Financing assumptions and toll rate adjustments.
- Toll collection cost allocation policy.
- Systems approach to tolling.
- Freight rates.
- Mitigation funding.
- Transit funding.

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