

Alaskan Way Viaduct **REPLACEMENT** PROGRAM

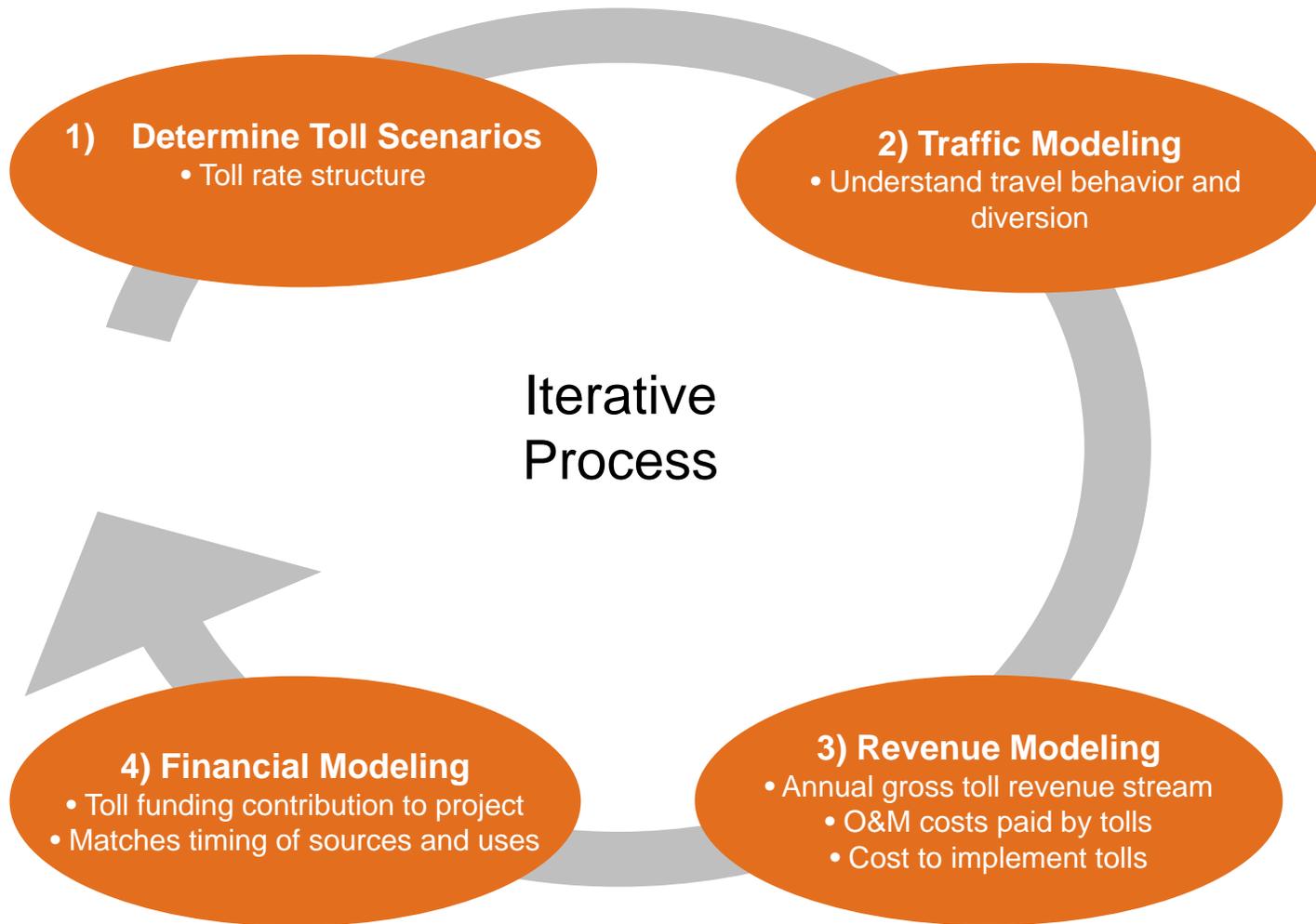


Stakeholder Group Meeting
May 8, 2013

General Updates

Advisory Committee on Tolling and Traffic Management

Four-Step Planning Process



Round One Scenarios

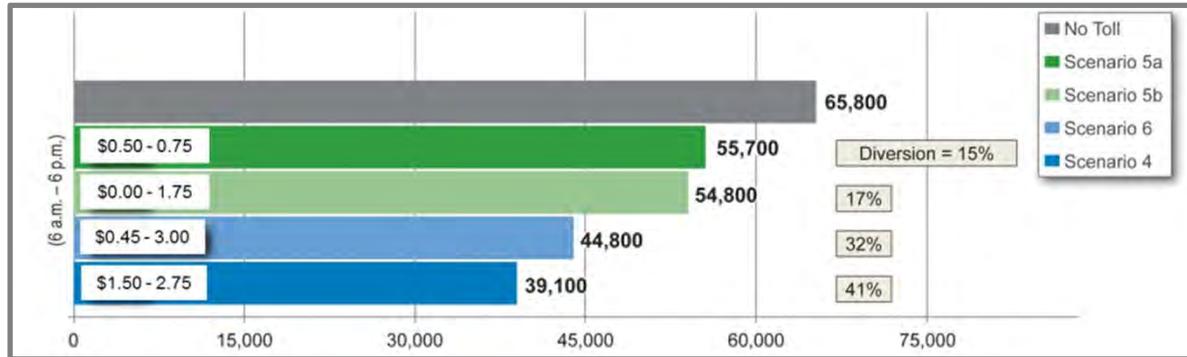
- No toll and high toll (\$1 - \$4) were previously studied as benchmarks.
- Scenario 1 (\$1 - \$3.25): Objective was to achieve funding target.
- Scenario 2 (\$0.75 - \$2.25): Objective was to reduce diversion.
- Scenario 3 (\$0.75 - \$2.50): Objective was to balance funding and diversion.

Round Two Scenarios

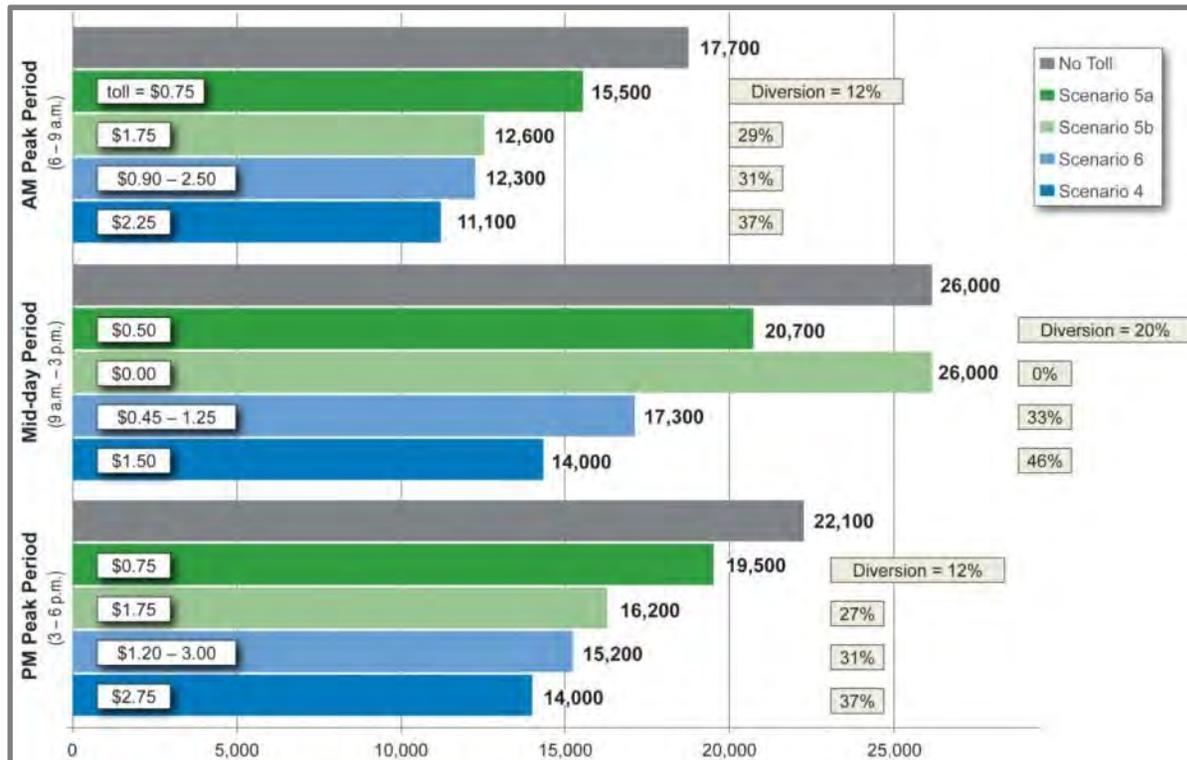
- No toll and high toll (\$1 - \$4) were previously studied as benchmarks.
- Scenario 4 (\$1.25 - \$2.75): Objective was to achieve funding target.
- Scenario 5a (\$0.50 - \$0.75): Objective was to reduce diversion. Includes toll rate escalation.
- Scenario 5b (\$1.75 peak only): Objective was to reduce diversion. Includes toll rate escalation.
- Scenario 6 (\$0.45 - \$3): Objective was to balance funding and diversion.

2017 Tunnel Volumes

Daytime

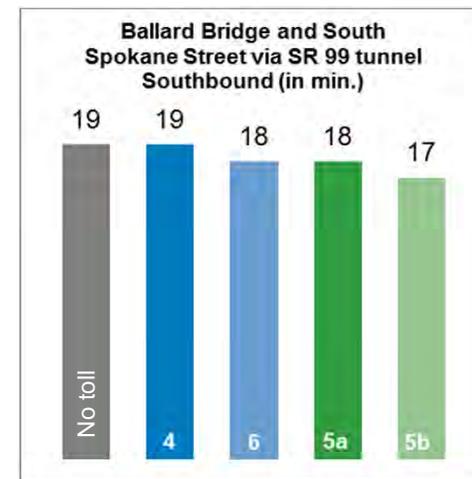
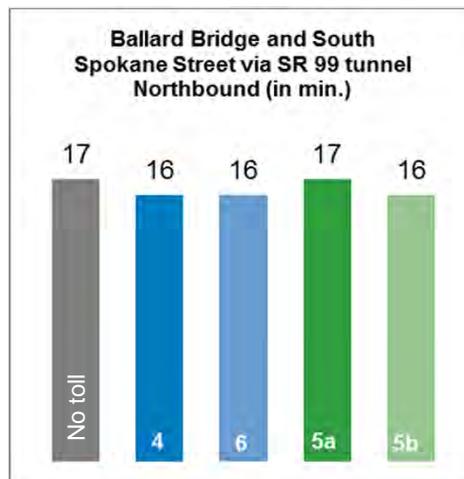
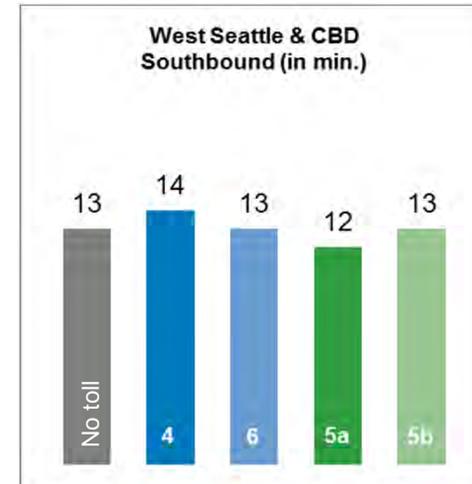
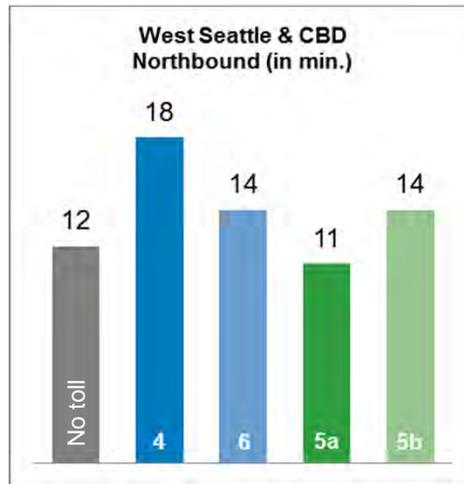


By time of day



2017 Car and Freight Travel Times P.M. Peak Hour 5 – 6 p.m.

- P.M. peak hour travel times for autos and freight vary minimally across the routes reported.



Stay Informed

- Upcoming meeting dates and past meeting materials available on website:
<http://www.wsdot.wa.gov/projects/viaduct/Library/Meetings/ACTTM>
- Discussions about diversion and potential mitigation at future ACTT meetings.
- Recommendations in 2013.

Natural gas main relocation project



Natural gas main relocation project

- Estimated construction start date: on or around June 15, 2013
- Estimated project completion: by the end of September 2013

Natural gas main relocation work schedule*~

	Sun	Mon	Tues	Weds	Thurs	Fri	Sat
Day work	NO WORK	9 a.m. to 3 p.m.					
Night Work		6 p.m. to 6 a.m.	6 p.m. to 6 a.m.	6 p.m. to 6 a.m.	8 p.m. to 6 a.m.	8 p.m. to 6 a.m.	8 p.m. to 6 a.m.

* Hours for operation shall occur between 7 a.m. and 7 p.m. Monday through Saturday on Occidental Ave S from Main Street to Yesler Way

~ Work hours subject to final permit issuance.

Natural gas main relocation project

For additional information/questions, please visit our project Web page at PSE.com/Viaduct, email the project team at viaductgas@pse.com or contact:

Julie Kelly

Project Manager
Puget Sound Energy
425-462-3919

David Namura

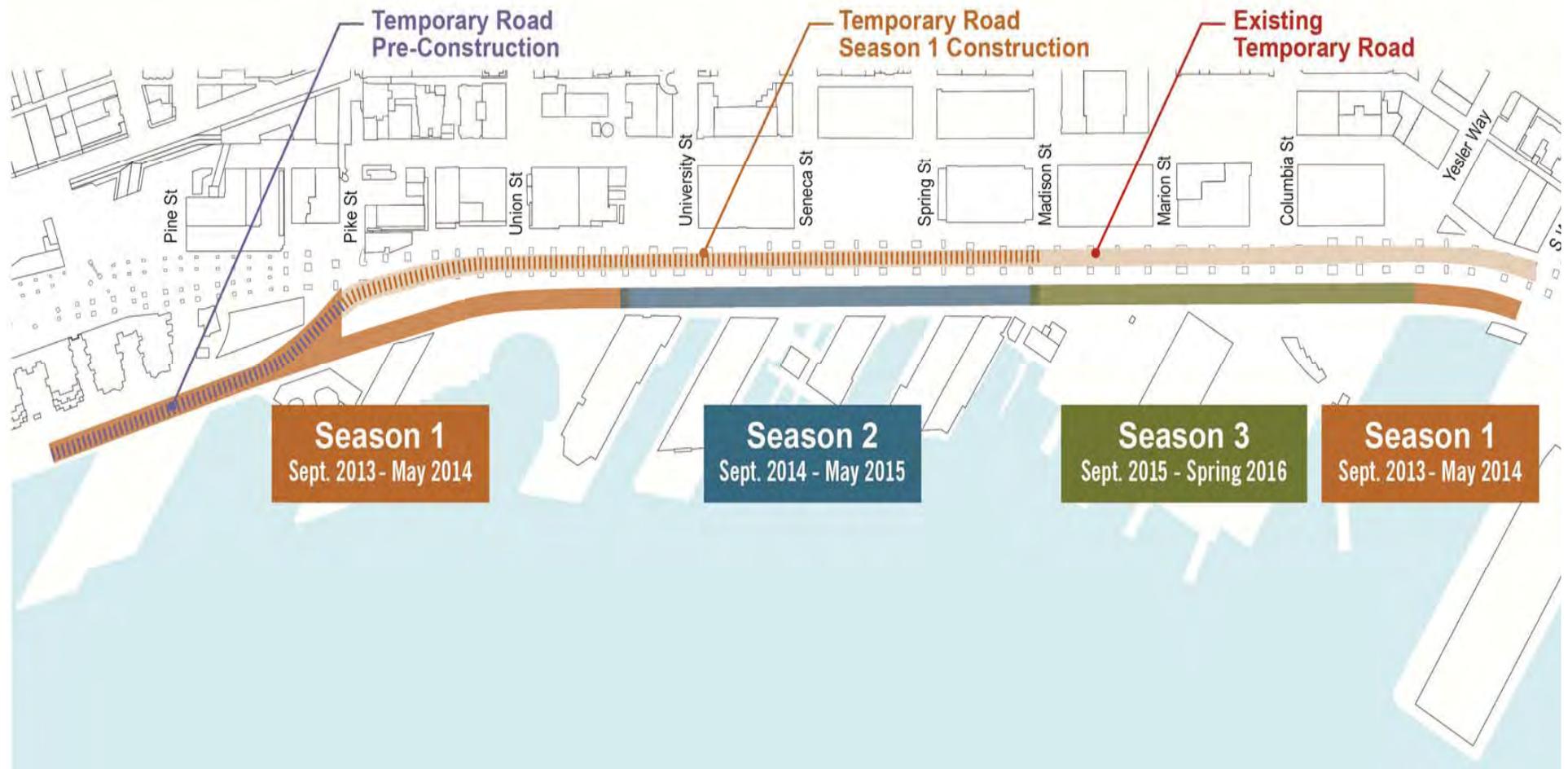
Gov't Relations Manager
Puget Sound Energy
425-462-3753

Elliott Bay Seawall Project

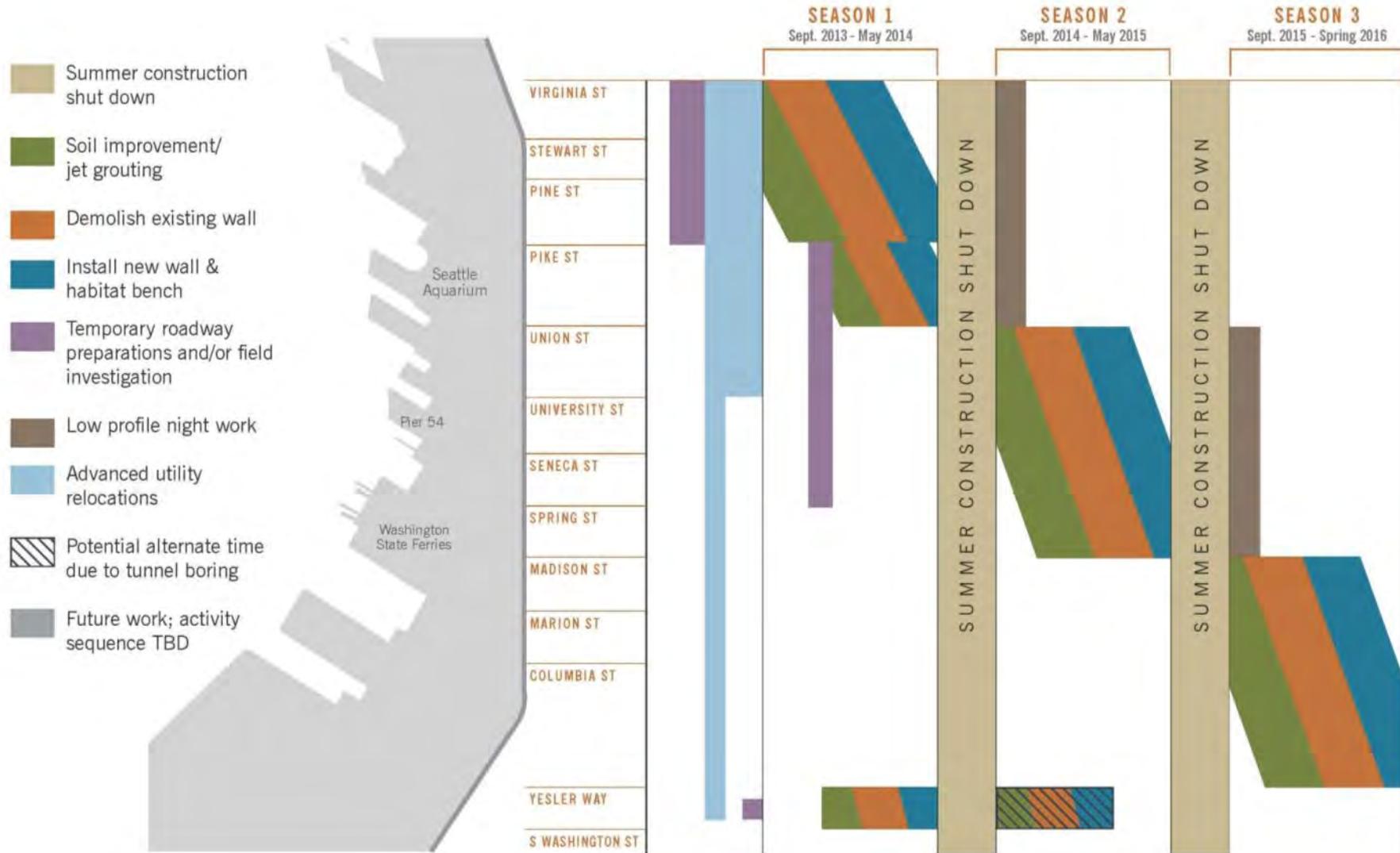
*AWV Portal Stakeholder Group
May 8, 2013*

Construction Sequencing and Schedule

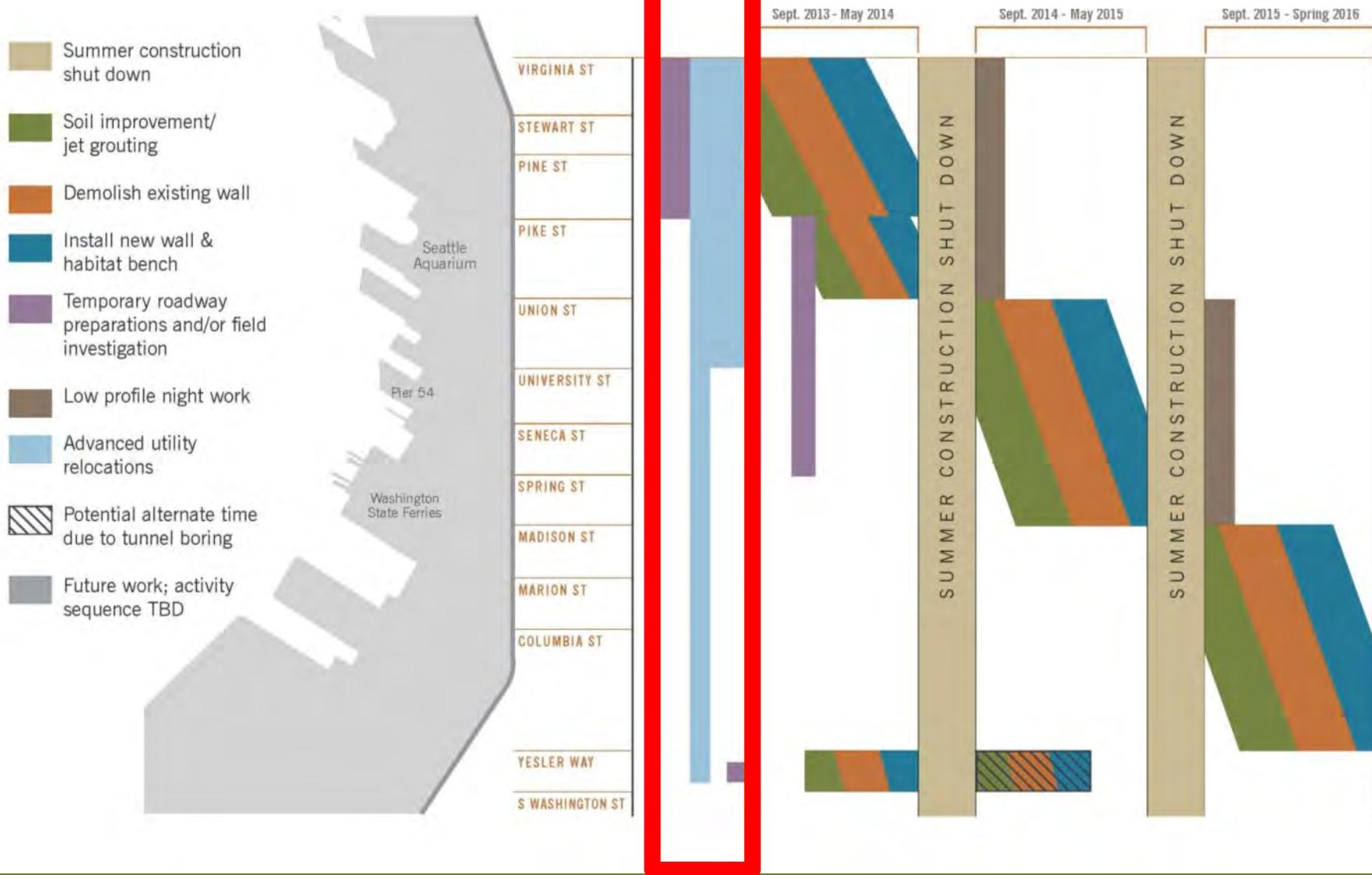
Construction Overview



Construction Over Three Seasons



Early Work Schedule



Overview of Early Work

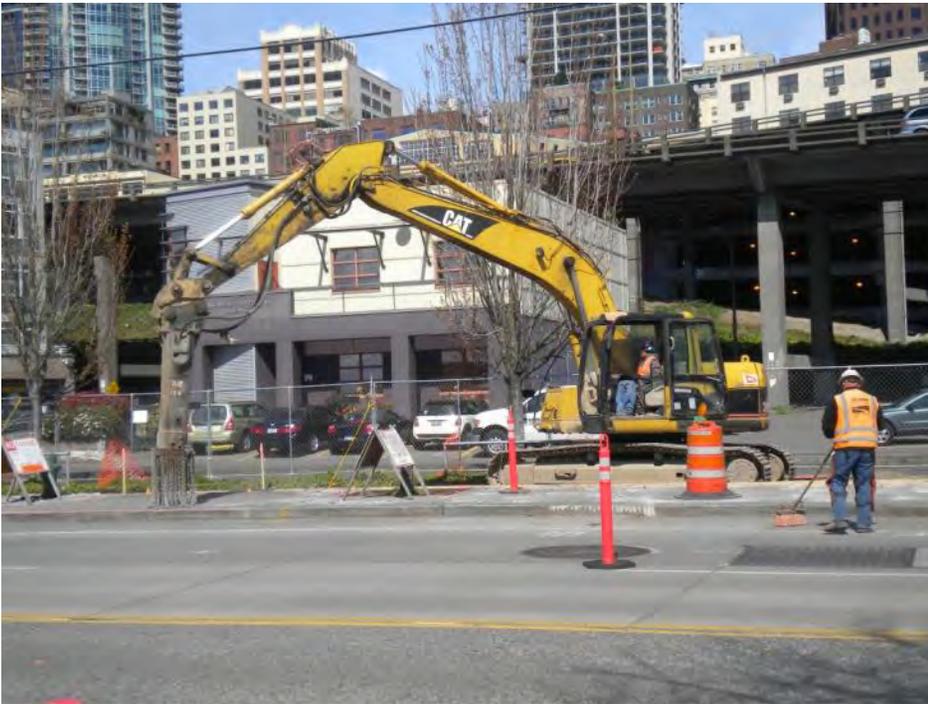


General Overview of Early Work Schedule

ACTIVITY	April	May	June	July	August	September
Road Widening	X	X				
Duct Bank – civil work	X	X				
Pole installation	X	X				
Duct Bank Cable pulling and splicing		X	X	X	X	X
Other Utilities		X	X			

Note: Specific dates, locations, and impacts are being communicated weekly.

Early Work

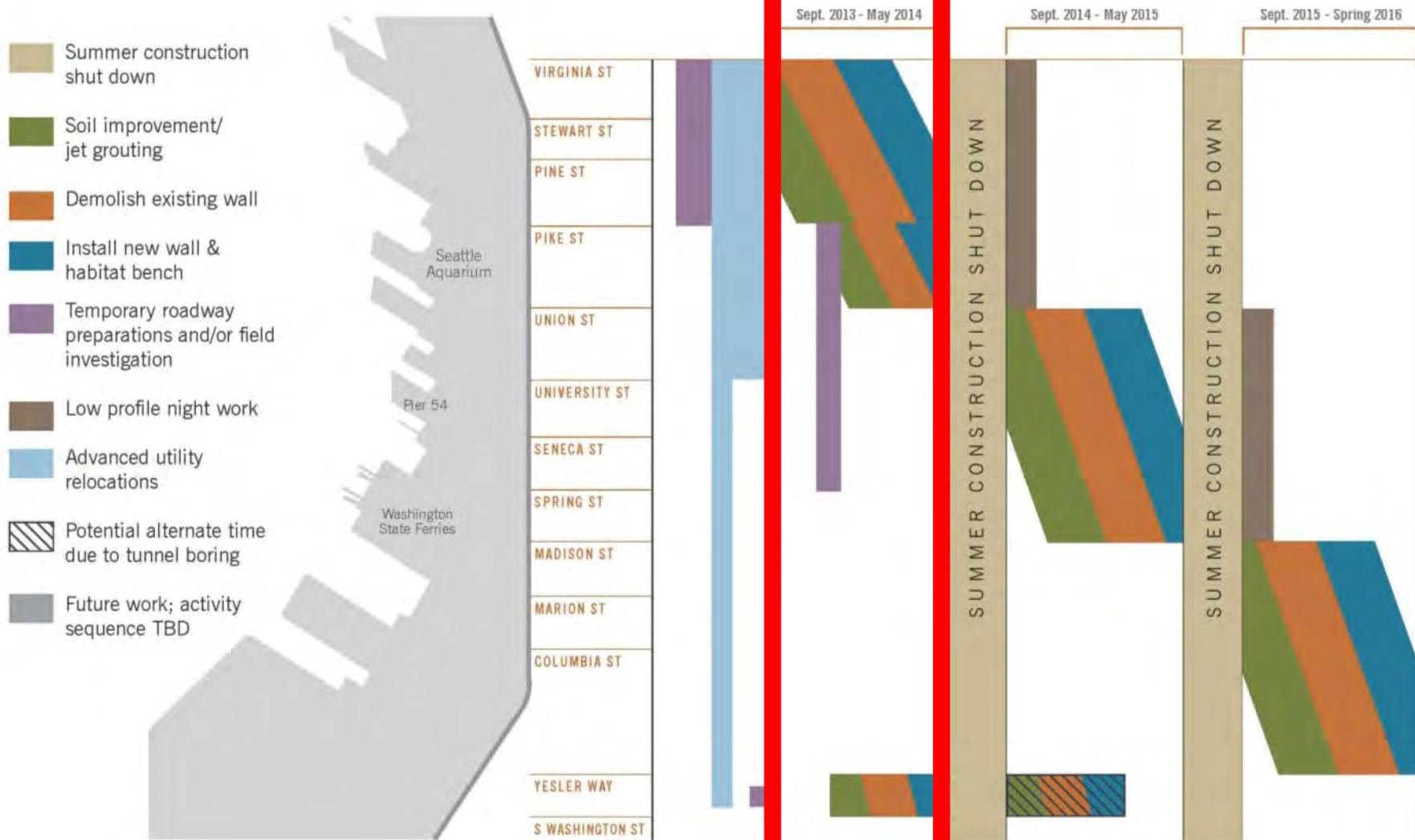


Excavation prep work



Underground utility location, also known as "potholing"

Season 1 Schedule



Season 1 Overview

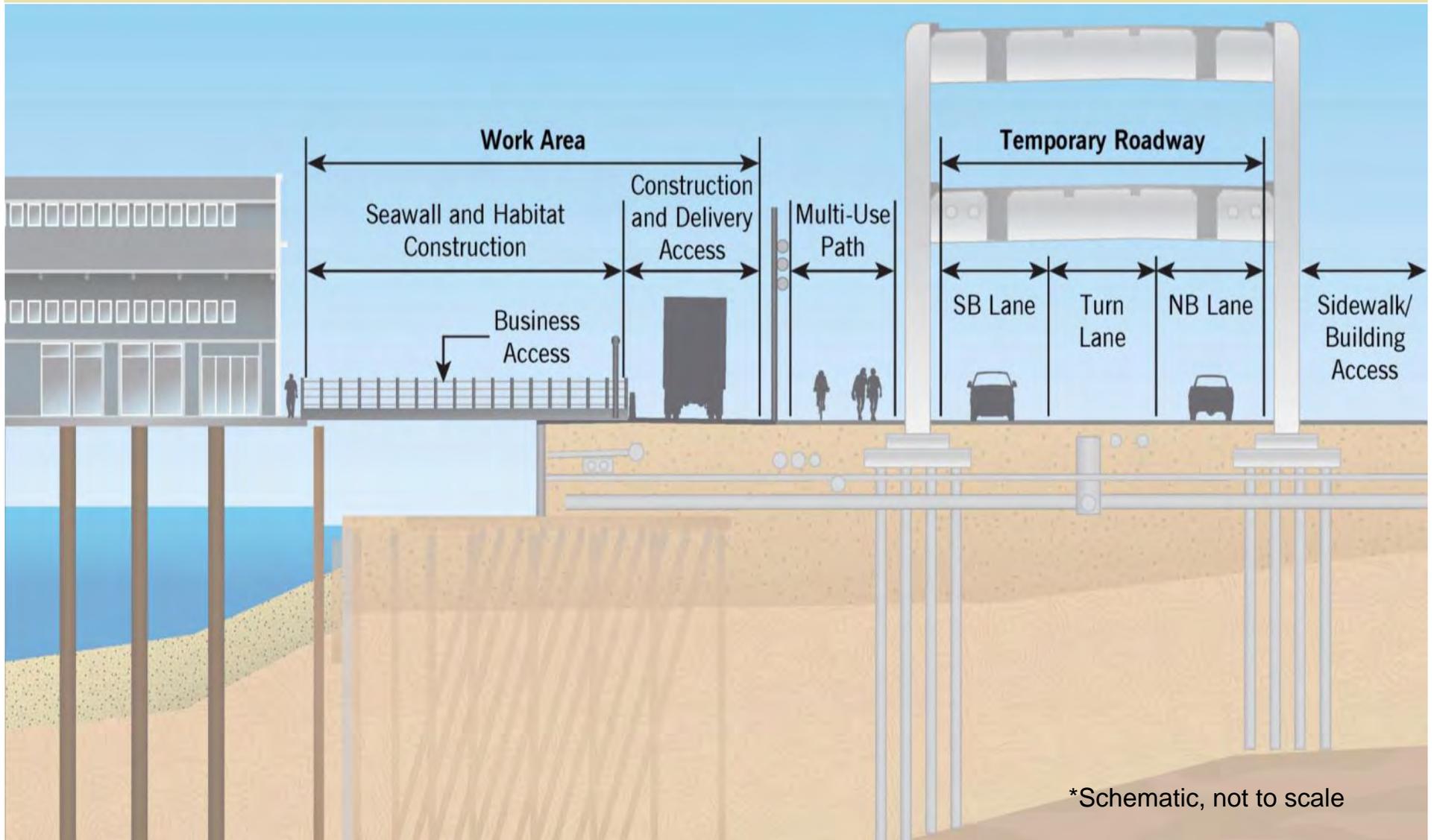
(September 2013 - May 2014)



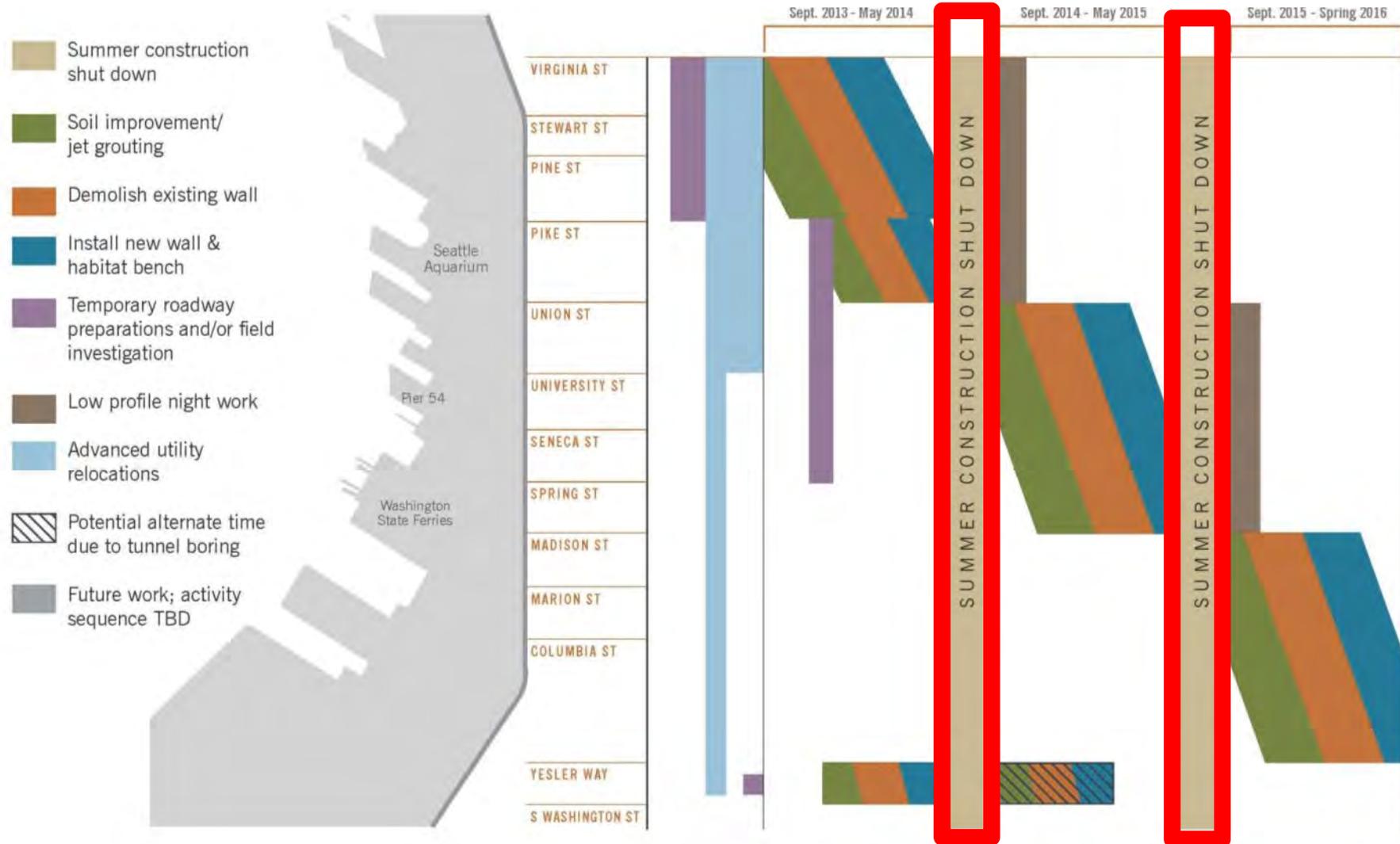
Season 1 Access Scenario (September 2013 - May 2014)



In Construction Roadway Cross Section



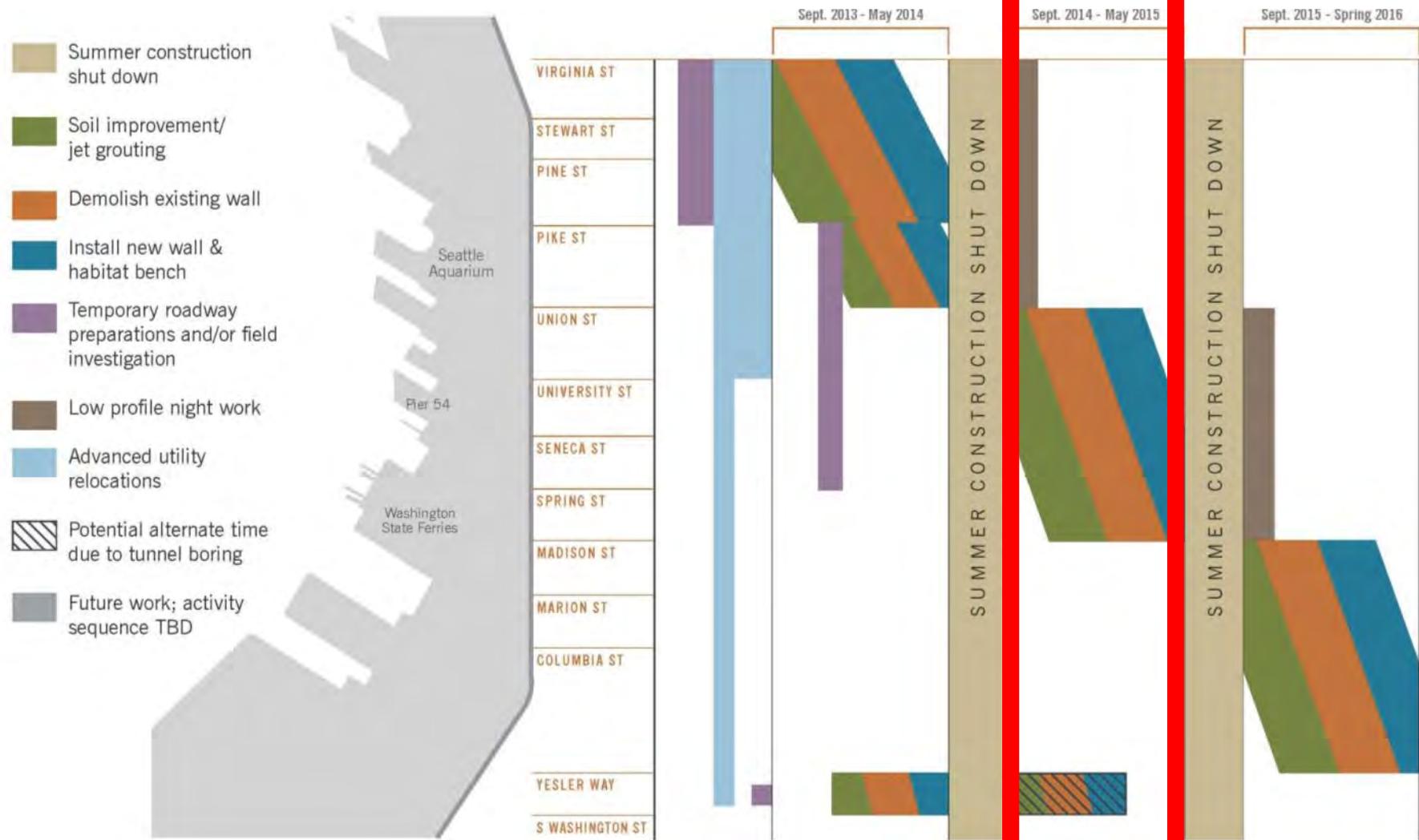
Summer 2014 and 2015 Schedule



Summer 2014 and 2015 Overview



Season 2 Schedule

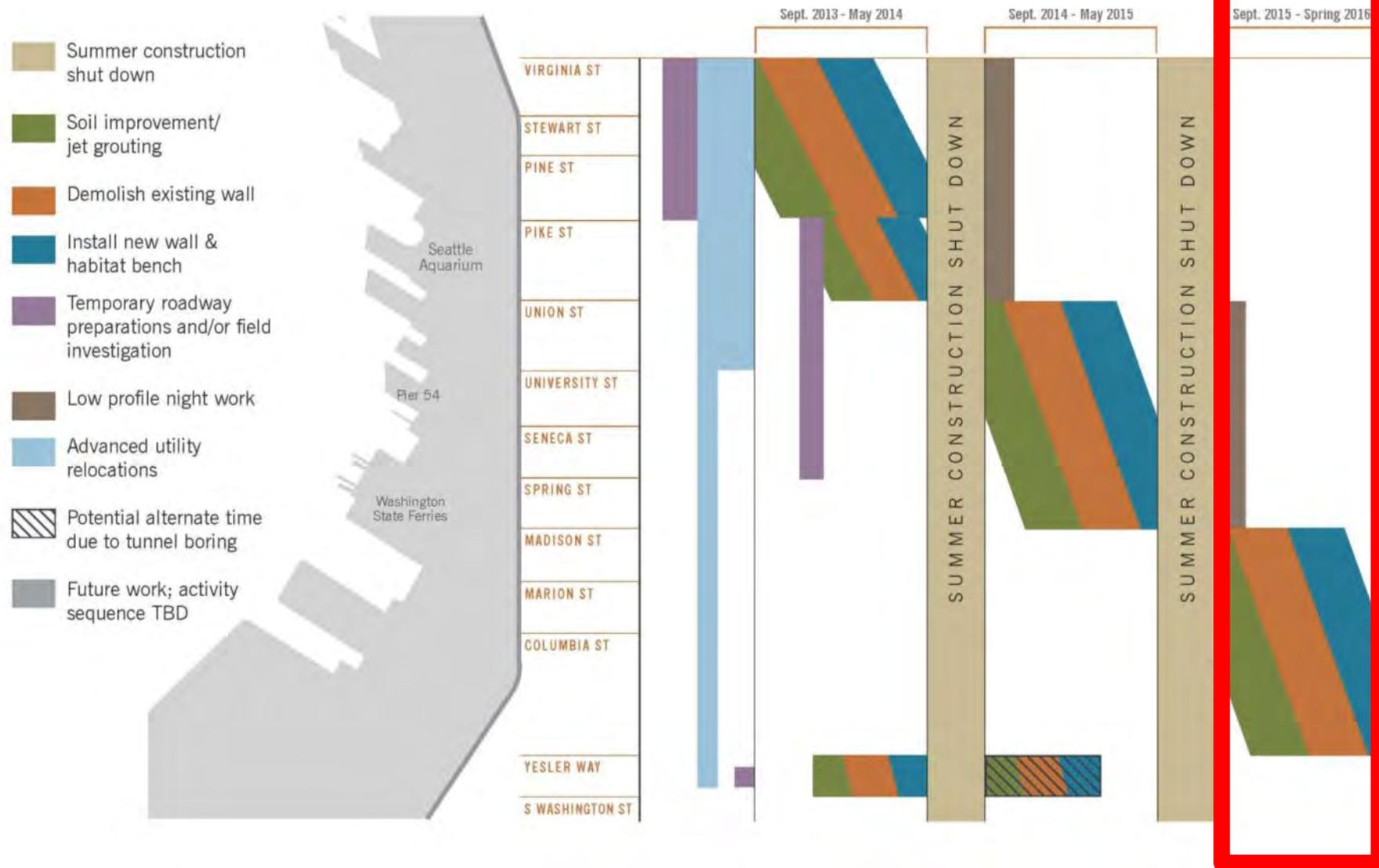


Season 2 Overview

(September 2014- May 2015)



Season 3 Schedule



Season 3 Overview

(September 2015 – Spring 2016)



Looking Ahead – Next Six Months

May 2013

June 2013

July 2013

August 2013

September 2013

October 2013

Design and Construction Planning



Continued final design and coordination



Continued schedule specificity



Issue MACC documents

MACC negotiated

Notice to Proceed

Subcontracting

Subcontracting procurement

Subcontract awards

Construction Activities

Early work

Limited utility work



Season 1

Notice to Proceed

Outreach

Stakeholder and agency partner engagement

Fair & festival outreach

Alaskan Way Viaduct Replacement Program Update

South End Construction Overview



- A** Assemble and test the tunneling machine
- B** Install facilities to support tunneling
- C** Build South Atlantic Street overpass

North →
● = WSDOT work

Tunneling Machine Arrival in Seattle

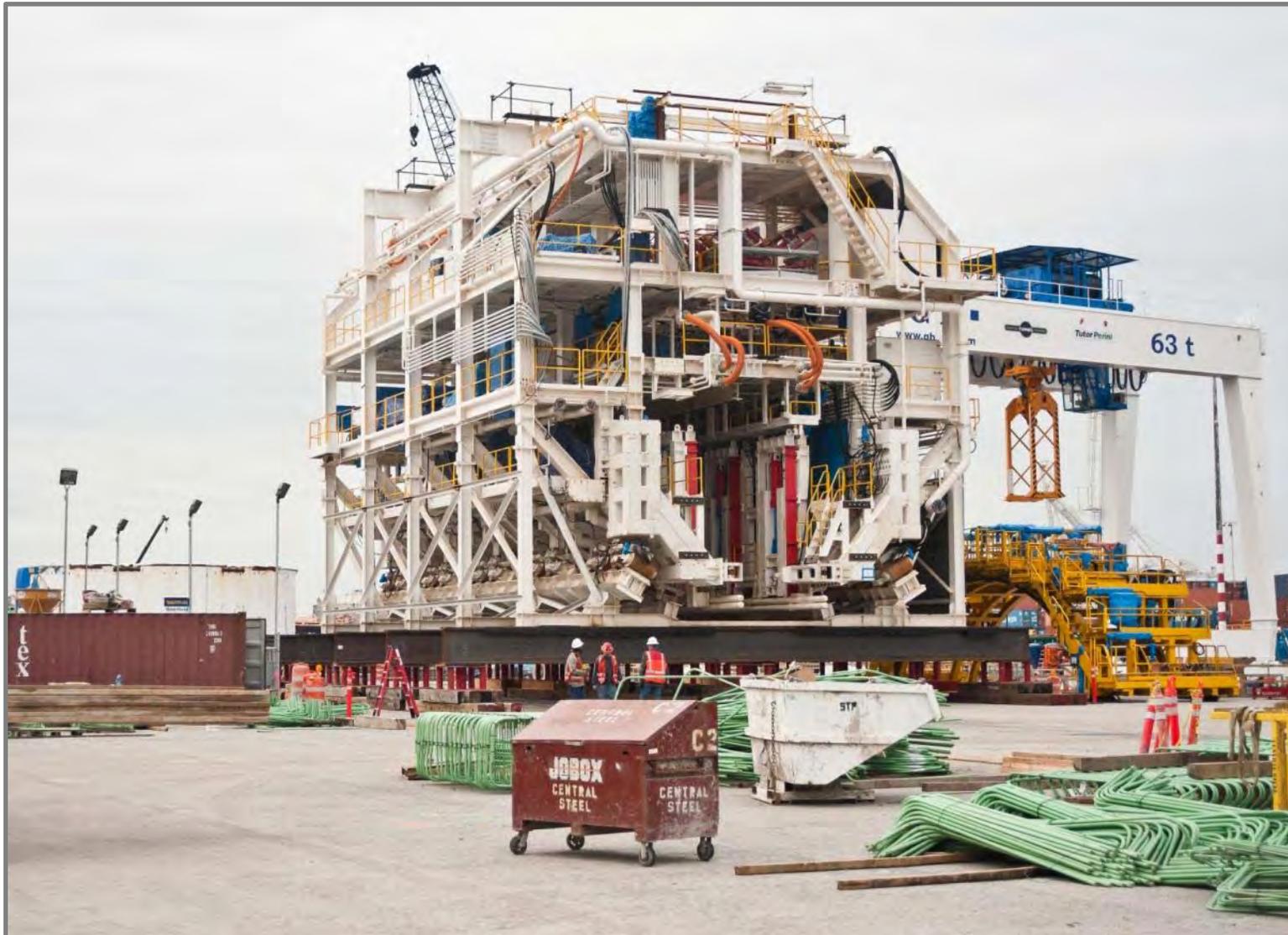


Unloading the Machine's Cutterhead



Crews unloading the cutterhead on April 7.

Unloading the Machine's Trailing Gear



SR 99 Tunnel Launch Pit



A Assemble and Test the Tunneling Machine

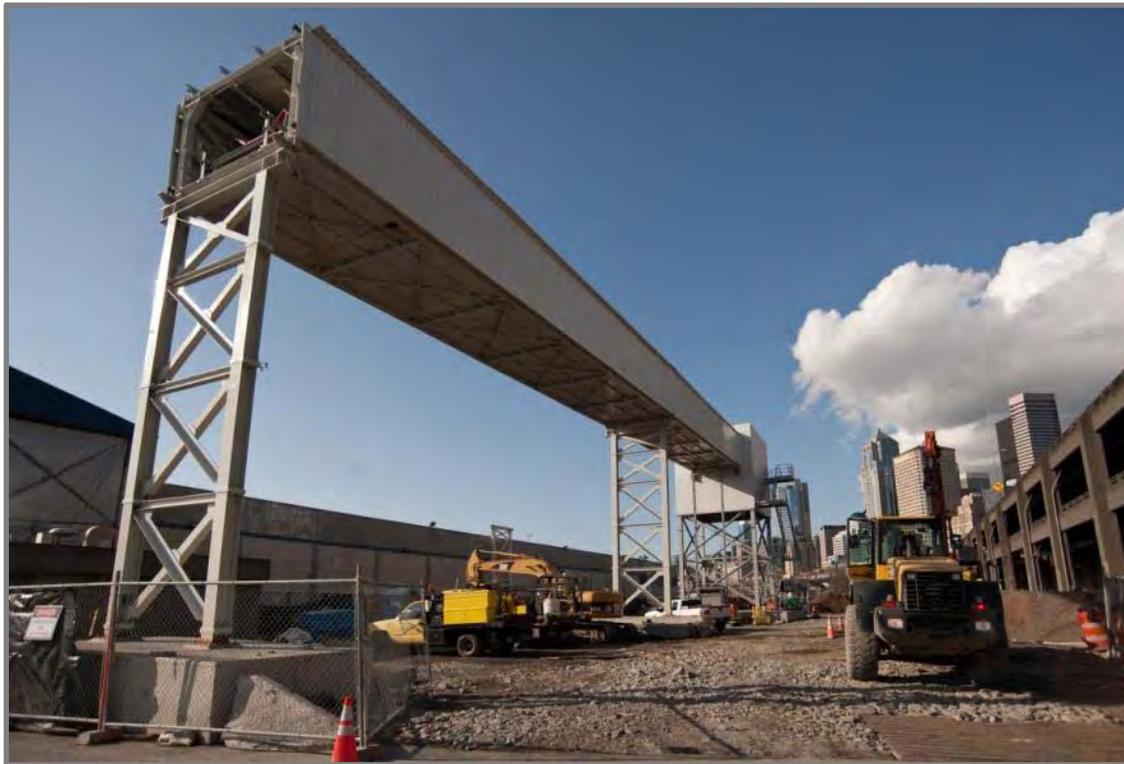
- April – July 2013.
- Crews began assembling the machine in late April.
- Machine pieces strategically staged and placed in pit for proper assembly.



A Assemble the Tunneling Machine



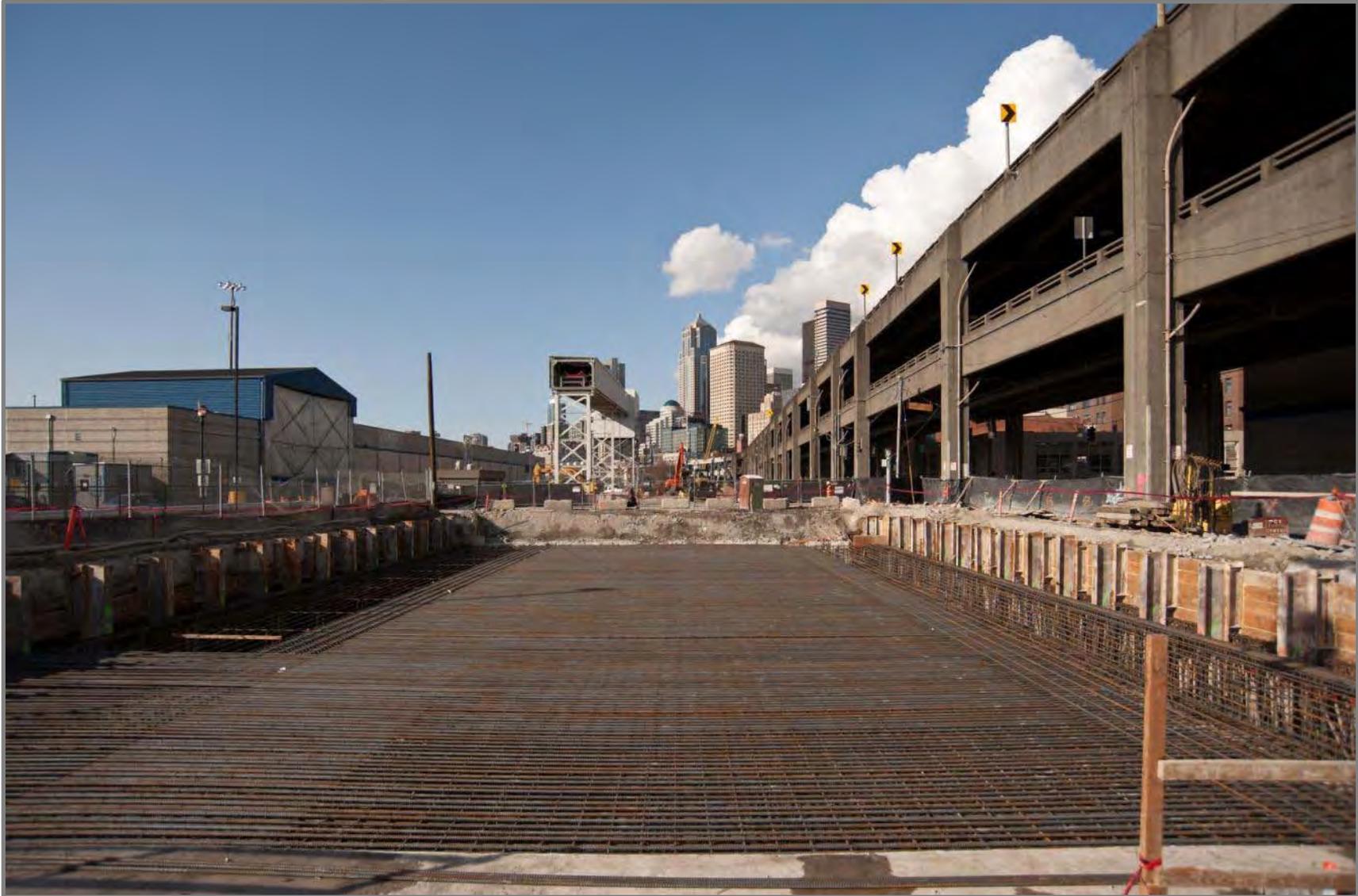
B Tunnel Spoils Conveyor Belt



The SR 99 tunnel conveyor belt system beginning to take form.

- January – July 2013.
- Tunnel spoils will be transported along the conveyor to barges at Terminal 46.
- By end of tunneling, conveyor belt will stretch entire 1.7 miles inside the tunnel.

B Tunneling in a Controlled Environment



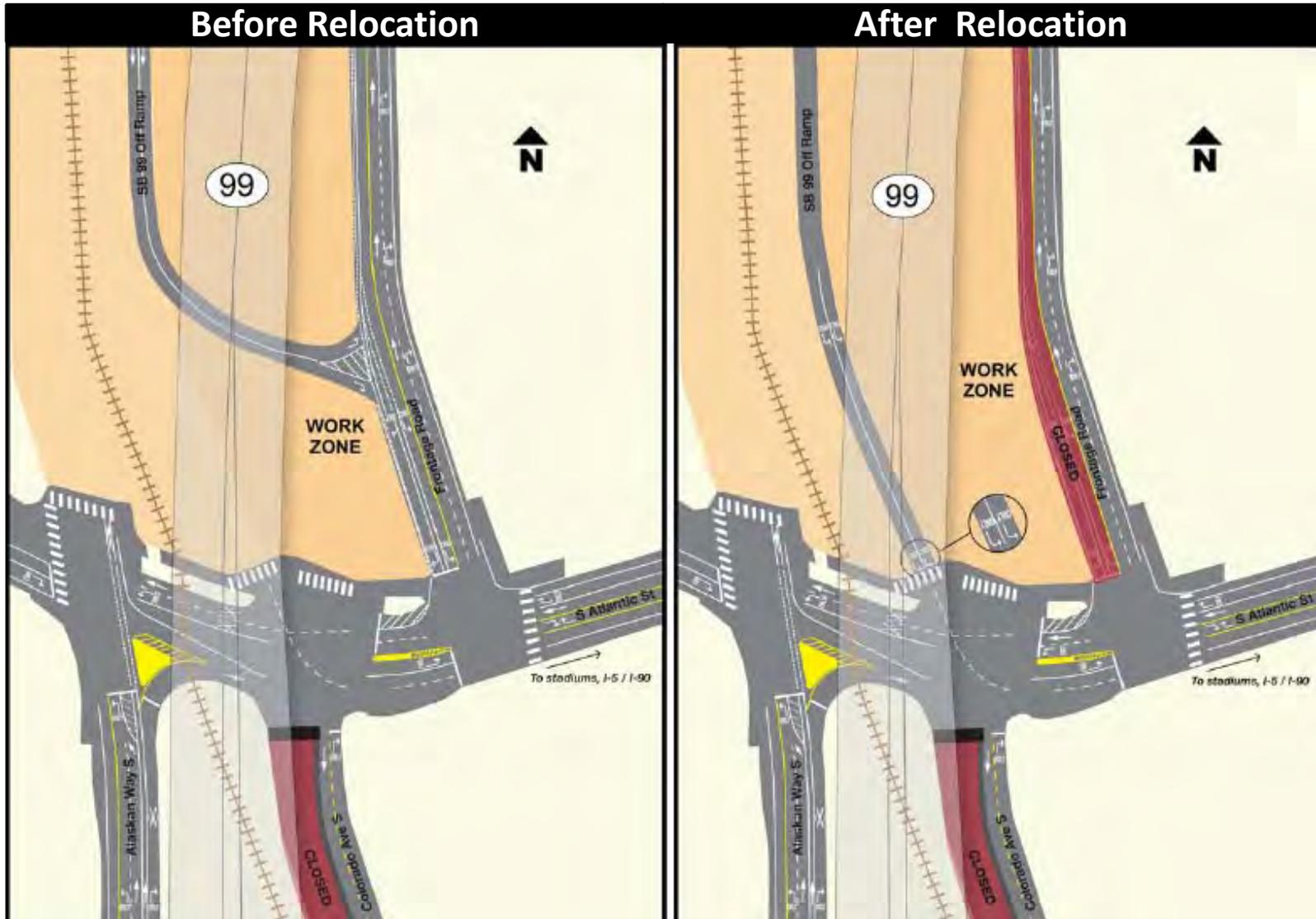
C Build South Atlantic Street Overpass



Crews set girders for the east side of the bridge overpass in April.

- July 2012 to December 2013.
- Expect to start pouring concrete for the overpass deck this June.
- Weekend closures of SR 99 in late summer to remove falsework (schedule yet to be determined).
- On track to open the overpass by the end of the year.

South Atlantic Street Off-ramp Relocation



North End Construction Overview



- A** Build receiving pit for tunneling machine
- B** Mercer East construction
- C** Mercer West construction

A Build Receiving Pit for Tunneling Machine

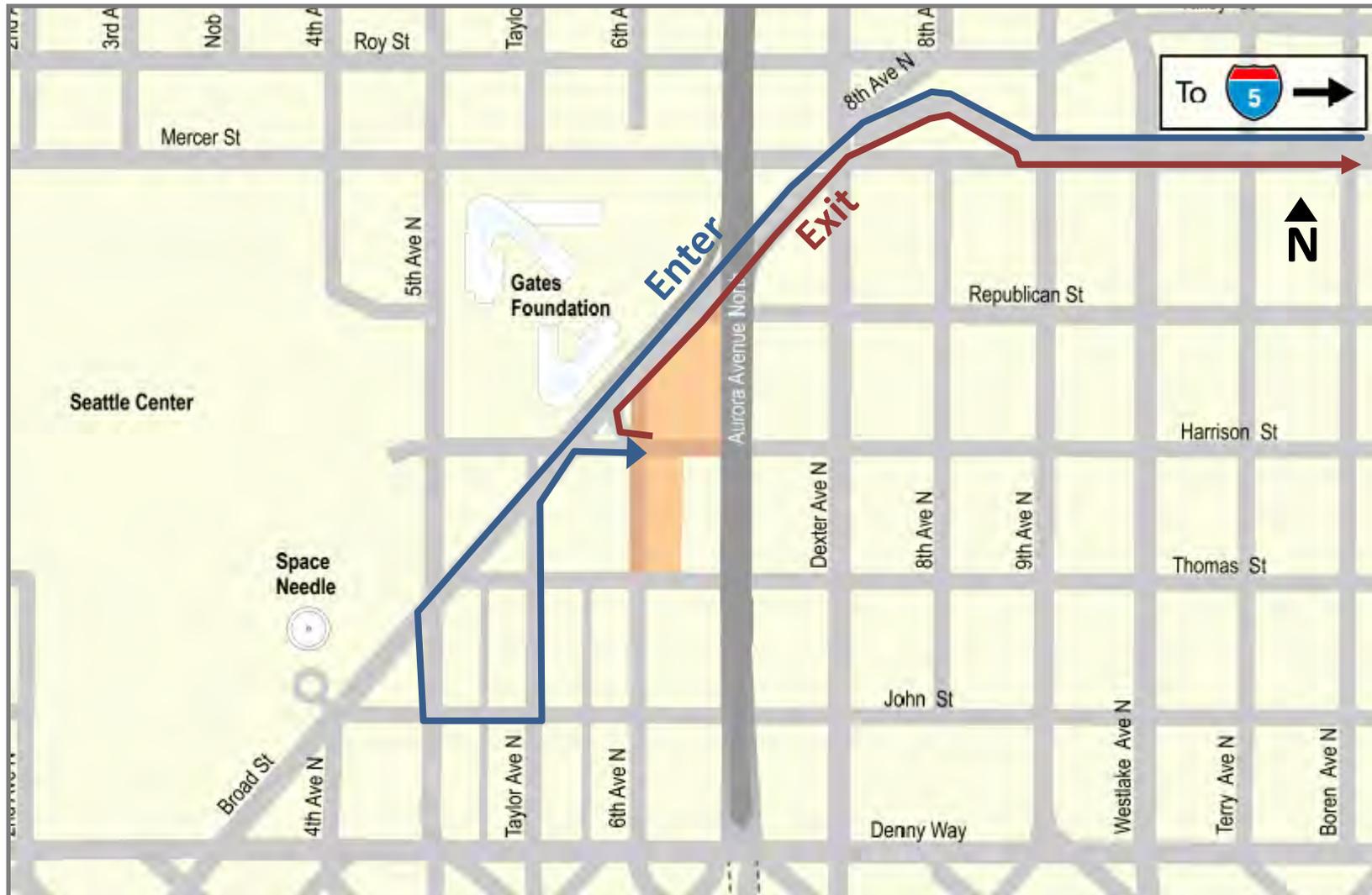


- Current work includes drilling piles for receiving pit support walls and excavation.
- Pile drilling: February – May 2013.
- Excavation: April – Fall 2013.

Existing North Portal Haul Routes



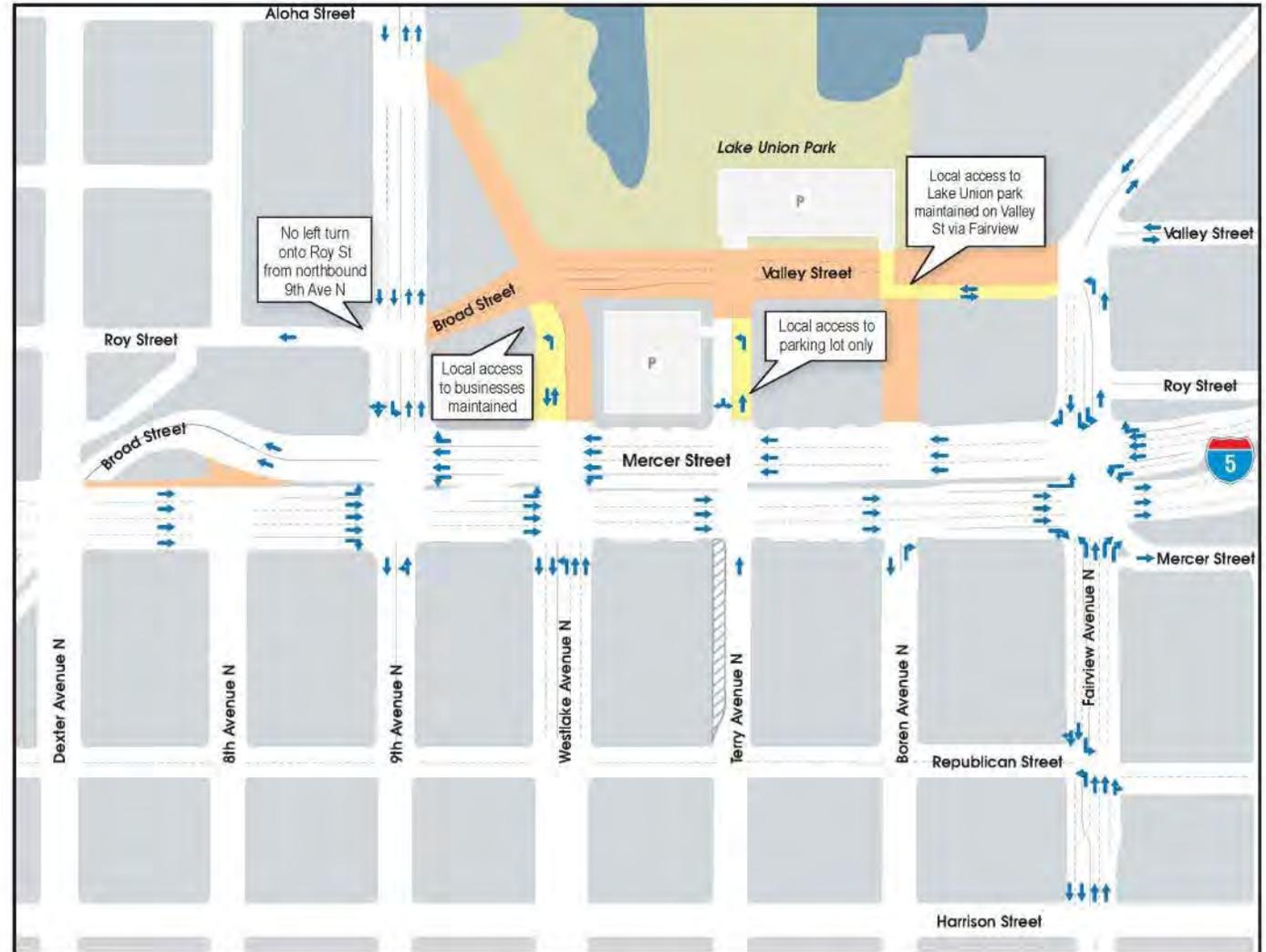
North Portal Haul Routes Mid-May 2013



mcp mercer corridor project



- Mercer Street: Three lanes in each direction between 9th Avenue N and Fairview Avenue N
- Mercer Street east of Fairview Avenue N open for access to Eastlake and Capitol Hill
- Fairview Avenue N fully open with southbound access to Mercer Street and I-5
- Westlake Avenue N closed to traffic between Mercer Street and 9th Avenue N; local access only between Valley Street and Mercer Street
- 9th Avenue N restricted to one lane southbound between 8th Avenue N and mid-block between Aloha Street and Broad Street
- Broad Street between Westlake and 9th Avenue N closed

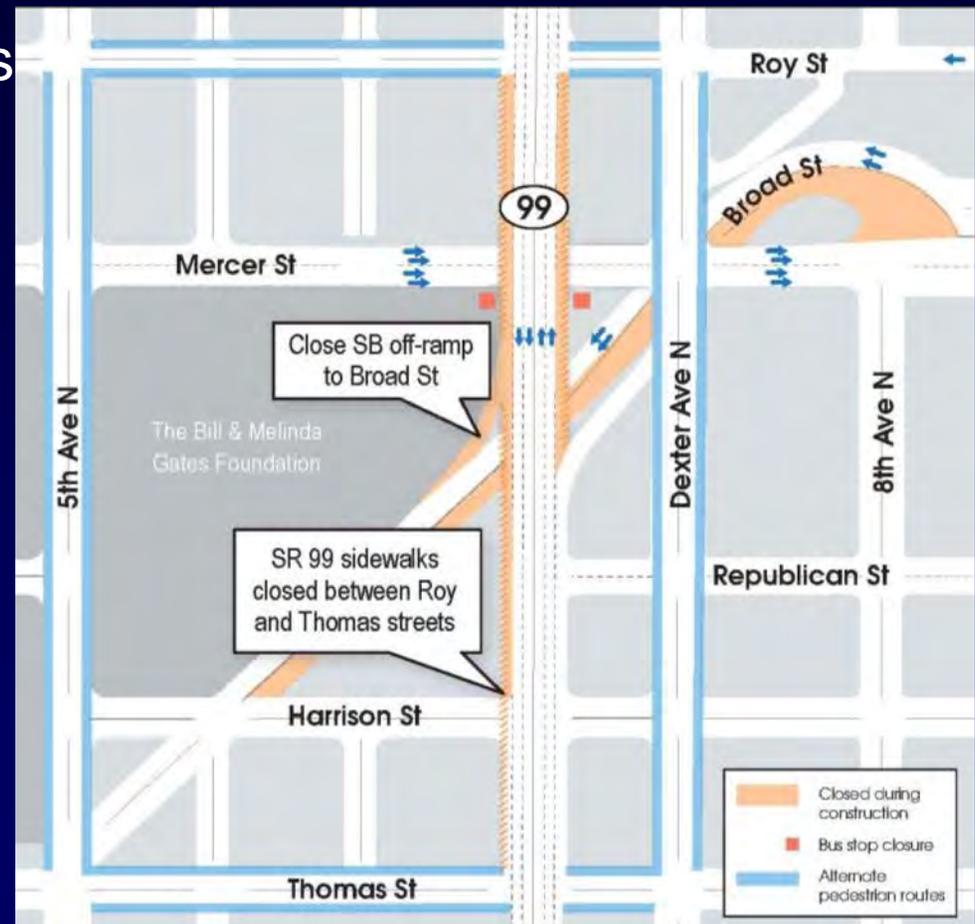


Mercer East Construction Update

- Fairview Ave. N fully re-opened to traffic in March 2013
- One full-weekend closure of I-5 ramps in May
- Ongoing construction:
 - Valley St. between Westlake Ave. N and Fairview Ave. N
 - Westlake Ave. N between 9th Ave. N and Mercer St.
- Upcoming work:
 - Signal installation at Westlake Ave. N and Aloha St.
 - Rebuild intersection of 9th Ave. N and Broad St.
- Mercer East construction complete in summer 2013

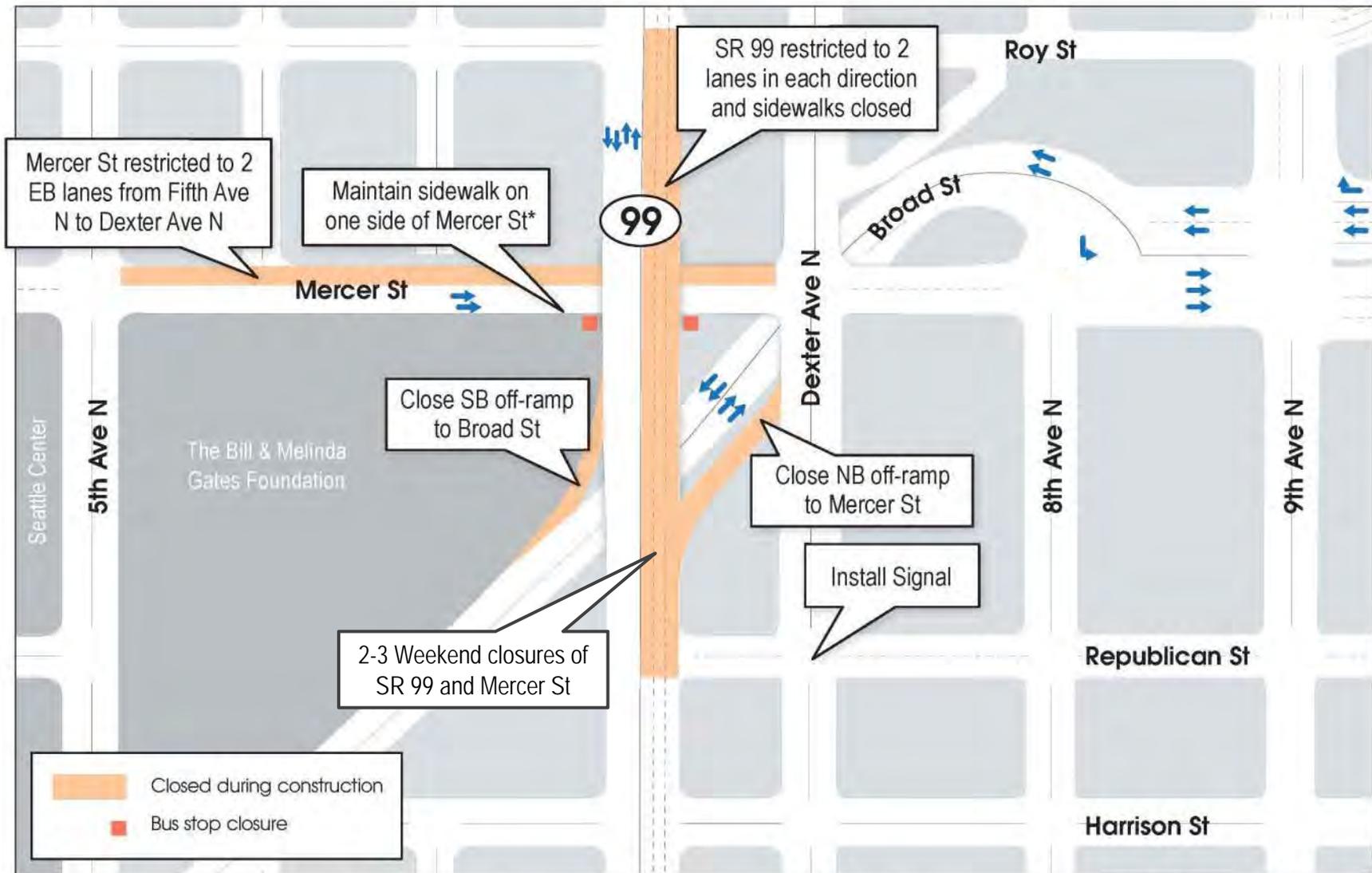
Mercer West Construction Update

- **Ongoing construction:**
 - SR 99 curb lane restrictions began April 22
 - Sidewalk demo on SR 99 between Roy St. and Harrison St.
 - Signal installation at Broad and Harrison, Dexter and Republican; signal modifications at 5th and Harrison
 - Metro stops on SR 99 at Mercer St. closed



Mercer West: Dexter Ave N to Fifth Ave W

Construction Impacts



*Sidewalk closures and SR 99 off-ramp closures continue through construction

Q2 2013 - Q2 2014

Mercer West Construction Update

- Full weekend closure of SR 99: May 17-20
- On May 20:
 - SR 99 lanes shifted to west side of roadway
 - Mercer St. reduced to two lanes between 4th Ave. N and 8th Ave. N
 - Broad St. reopens to two-way traffic
- Late May/Early June:
 - Roy St. construction at 1st Ave. N moving east

Mercer West: Fifth Ave W to Dexter Ave N

Access to Northbound SR 99 During Construction



Throughout Construction

Travelers can expect:

- Early warning signs and alternate route information in advance
- Coordination and outreach designed to reduce the duration of construction impacts to the traveling public and project neighbors
- Signal timing will be monitored and updated throughout the Mercer Corridor to improve efficiency
- Maintained southbound transit-only lane on SR 99

SDOT contact information

- **Email**

mercerinfo@seattle.gov

- **24-hour Hotline**
(206) 419-5818

- **Website**

www.seattle.gov/Transportation/mercercorridor.htm



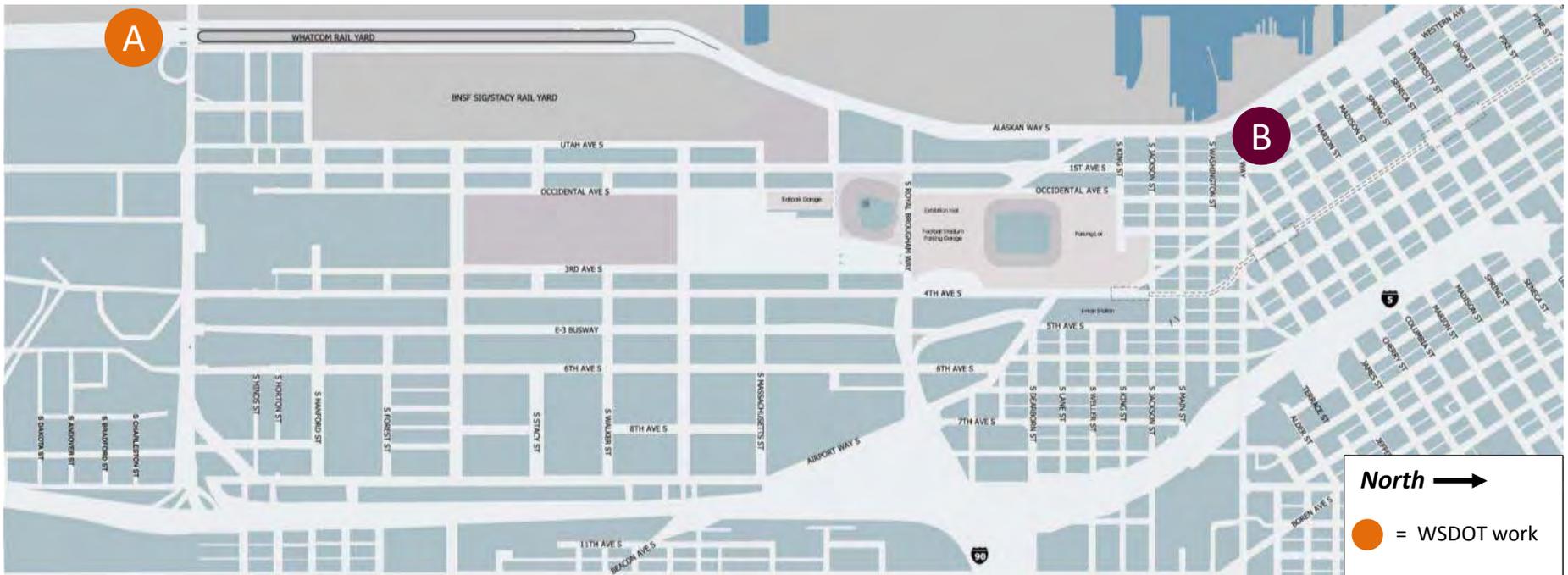
mcp mercercorridorproject
fixing the mercer mess

Project and Construction Information
Email: mercerinfo@seattle.gov
Phone: (206) 419-5818
Project Office: 330 Fairview Avenue North, Seattle, WA 98109
Website: www.seattle.gov/Transportation/mercercorridor.htm



Other Project Updates

Other Project Updates



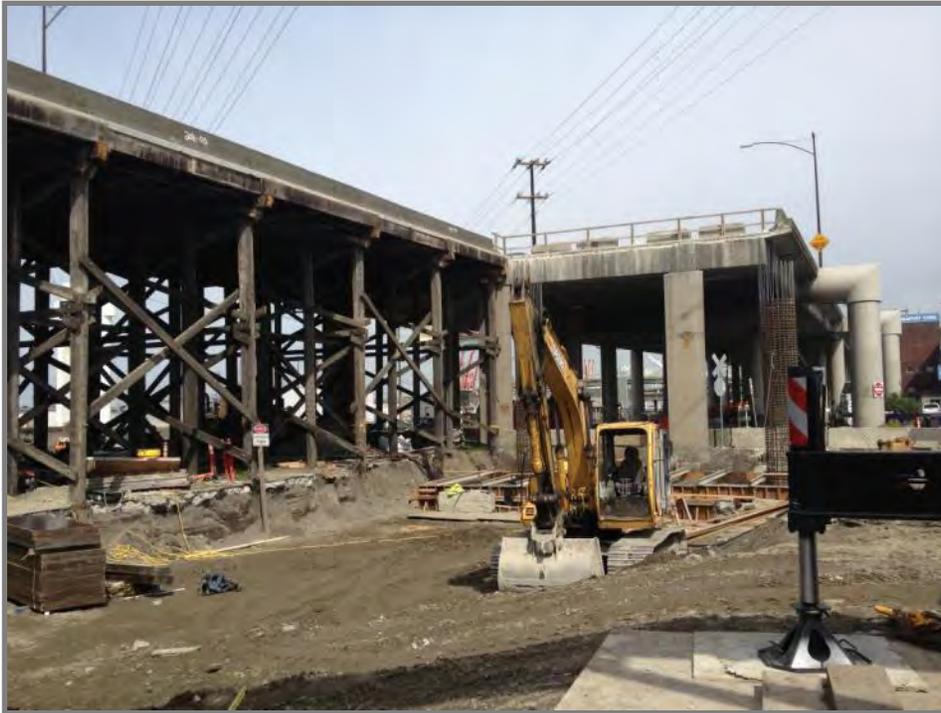
A Rebuild SR 99 Spokane Street Overcrossing (timber bridge)

B Relocate Puget Sound Energy natural gas main

North →

- Orange circle = WSDOT work
- Purple circle = Other projects

A SR 99 Spokane Street Overcrossing Replacement Project (Timber Bridge)



- February 2013 – June 2014.
- Crews have demolished the east side of the bridge and have begun replacement.
- Current work includes:
 - Excavating site for ground improvements.
 - Installing pier footings.
 - Installing Geofoam on southern approach.

Stakeholder Group Feedback

Website:

www.alaskanwayviaduct.org

Twitter: @BerthaDigsSR99

Email:

viaduct@wsdot.wa.gov

Hotline:

1-888-AWV-LINE

