



Passenger Impact Portfolio Plan

Rider Experience and Operations Committee

08/03/23



Why we are here

- Program Goals & Methodology
- Scheduled Near-term Service Disruptions
- Next Steps

The purpose of this presentation is for information only. No Board action is expected today.

Passenger Impact Portfolio Plan

PROGRAM GOALS

- Coordinate and schedule projects to minimize service impacts
- Integrate this activity as a regular business function

METHODOLOGY

- Passengers are our customers
- Preservation of planned service and urgency to return to full planned service
- Minimal disruption to passengers and passenger flow
- Project delivery efficiency (shared disruptions and mobilizations)

Near-term Service Disruption Work

	Project	Locations	Passenger Benefits
1	CVS Overhaul Switch Replacement	Columbia City - Rainier Beach	Safety, Reliability
2	Royal Brougham At-Grade Crossing Repair*	SoDo - Cap Hill	Safety, Reliability
3	Othello & Rainier Beach Platform Repair*	Rainier Beach - Othello	Safety, Hazard Mitigation

* Major multi-project closures

CVS Overhaul Switch Replacement

Scheduled for 8/7

Replace voltage switches reaching end of life (in trackway)

- **Why this is necessary:** Improving switch performance/reliability
- **Passenger benefit:** Service reliability
- **What is the expected service impact:**
 - On 8/7 single tracking from 9pm to end-of-service at Columbia City, Othello, and Rainier Beach stations with NB platforms closed. 25-minute headways system wide.
 - Similar work scheduled 9/18, 10/2 and 10/16

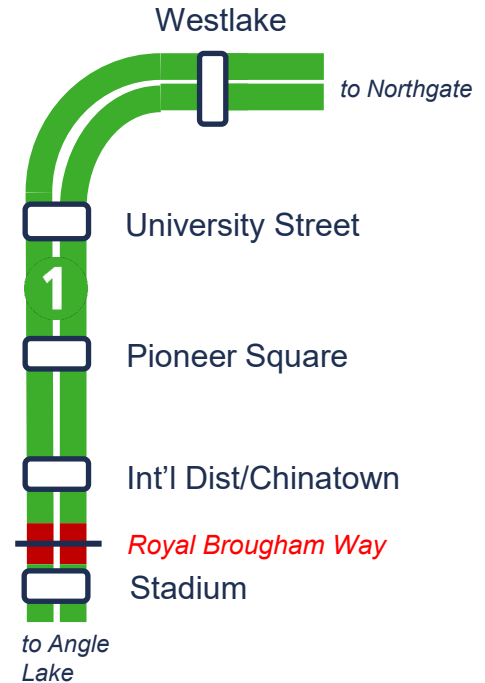


Royal Brougham Grade Crossing Repair

Scheduled for 8/12-8/20

Repairs compromised track grade and prevents standing water over the tracks during rainy periods.

- **Why this is necessary:** Currently there is a 10mph speed restriction. During rainfall, water pools on the tracks, requiring trains to slow to 5 mph. Very heavy rains could disrupt service. Degrading conditions will impact safety.
- **Passenger benefit:** Restore track to allow designated speed and provide faster and more reliable service in wet weather conditions.



Royal Brougham Grade Crossing Repair

Passenger Impacts

What is the expected service impact?

8/12 – 8/13: Full weekend closure between Cap Hill and SODO

- Link headways: 15 minutes
- Bus bridge headways: 10-minute headways with two platooned buses

8/14 – 8/16: Single-tracking (SB track closed)

8/17 – 8/20: Single-tracking (NB track closed)

- Link headways: 15 minutes with a forced transfer at Pioneer Square Station (both platforms open).
- Riders will take 11-12 minutes to transfer, including the time needed to cross mezzanine.



Royal Brougham Grade Crossing Repair

Secondary Work During Closure

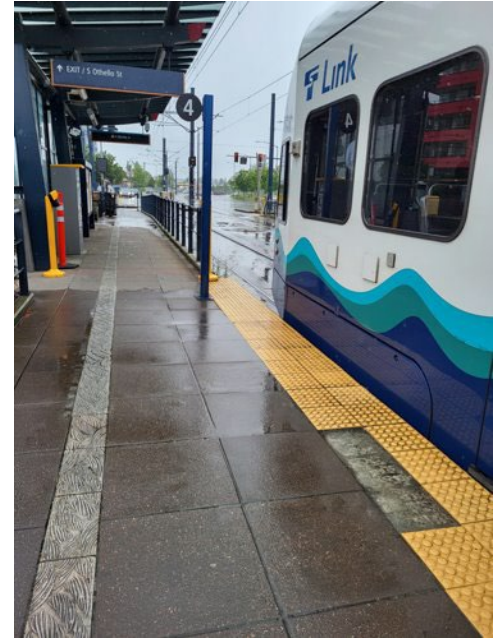
- 26kV System Assessment
- SB Damaged Rail Repair
- E130/E110 Plinth Repair Work
- Bond Box Replacement
- Eastlink Signal System Tie-in Pre-work
- Central Link Fiber Upgrade Program Survey
- Westlake Tunnel Crown Repair Scaffolding

Othello & Rainier Beach Stations Platform Rehab

Scheduled for 8/21 – 9/17

Project to replace existing porcelain tiles with new polymer composite tiles. Coat platform edge to improve electrical safety.

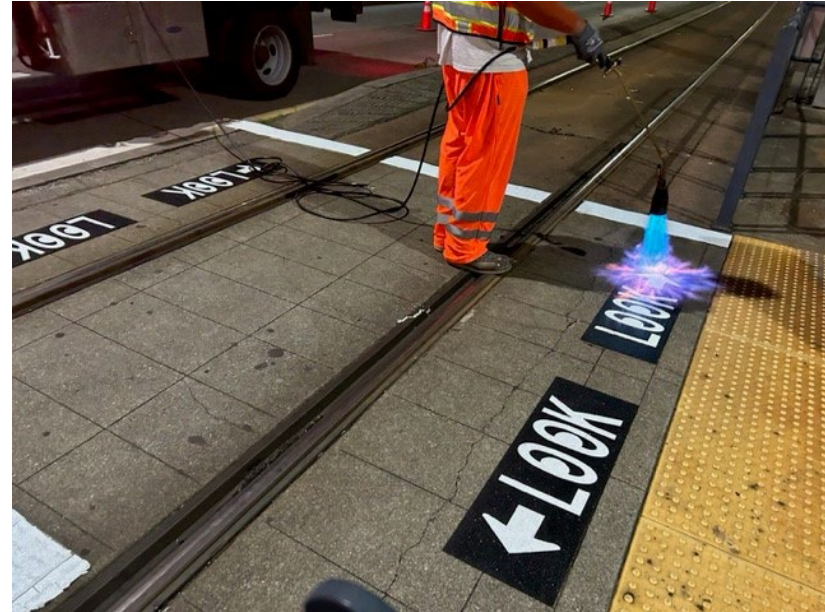
- **Why this is necessary:** Majority of the tiles are cracked and broken and they pose a safety risk to passengers and are not ADA compliant. Platform edge poses risk of electrical arcing due to damaged edge coating.
- **Passenger benefit:** Improves passenger safety on the platform
- **What is the expected service impact:** Continuous single tracking at segment spanning both stations (14 days per side). 12-minute headways systemwide.



Othello & Rainier Beach Station Platform Rehab

Secondary Work During Closure

- CVS Overhaul Switch Replacement
- SDOT Safety Pavement Refresh and LOOK pavement markings



Passenger Care During Major Disruptions

- Ambassadors to answer questions and guide passengers
- Signage to show variations in stop locations
- Regular updates to keep passengers informed



Next Steps

- Continue coordination of DSTT single tracking and weekend full closures for safety repairs (bond box and rail replacement) and for Eastlink systems tie-in in late 2023 and in 2024
- Deliver monthly reporting on disruptions to REO
- Continue development of a permanent office around the Passenger Impact Portfolio Plan to integrate this activity as a regular function

Thank you.



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