



Link State of Good Repair & Maintenance

4/06/23

Why we are here today

- Provide update on upcoming state of good repair & maintenance projects.
- This presentation is for information only.

Planned repair and maintenance projects

	Project type	Locations	Passenger benefits
1	Electromagnetic cable improvements	Univ of WA–U District	Safety, reliability
2	Damaged rail repair	IDS–Pioneer Square	Safety, reliability, eliminates slow order
3	Royal Brougham grade crossing repair	IDS–Stadium	Safety, reliability, eliminates slow order
4	Othello & Rainier Beach platform repair	Othello–Rainier Beach	Safer platform, reduces trip/fall hazard
5	High voltage system assessment	IDS–Westlake	Safety, reliability
6	Overhead wire replacement	Rainier Beach–Tukwila	Safety, reliability
7	Bond box replacement	IDS–Westlake	Fewer signal failures, better reliability
8	Rail replacement	University Street–Westlake	Smoother and safer ride
9	System Expansion improvements	IDS–Northgate	Safety, reliability, service

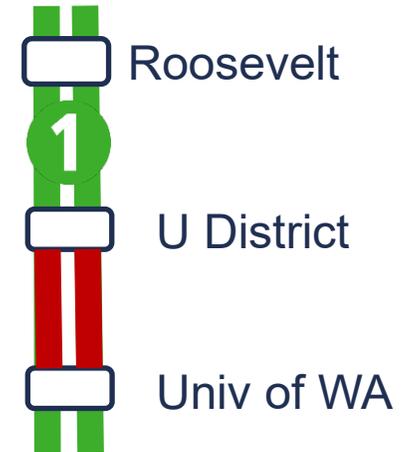
Electromagnetic cable hanger improvements

Work planned for Q2 2023

Project to improve design of hangers on the Floating Slabs in the tunnels.

- **Why this is necessary:** A safe, temporary solution is in place. This project will complete the permanent repairs.
- **Passenger benefit:** Ensure long term safety and reliability.
- **What is the fix:** New design of plates.
- **What is the expected service impact:** Expect to single track through the area for two different weekends

to Northgate



to Angle Lake

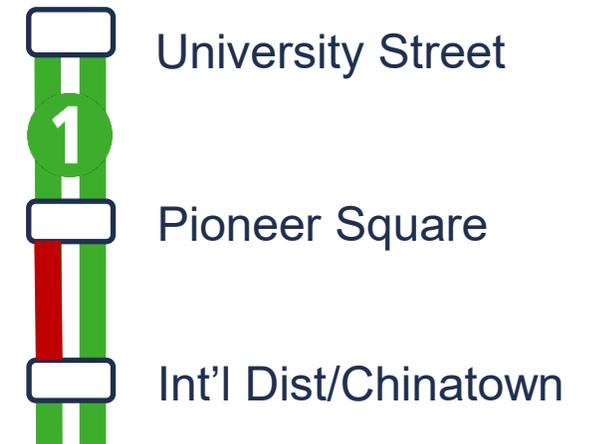
Damaged rail repairs

Work planned for Q2 2023

Repair a small section of damaged rail in the DSTT Southbound track north of International District Station.

- **Why this is necessary:** Currently there is a 10mph speed restriction. The rail is embedded in concrete.
- **Passenger benefit:** Restore track to allow designated speed, restore service reliability.
- **What is the fix:** Remove and replace concrete and damaged rail section.
- **What is the expected service impact:** Operational plans are currently in development.

to Northgate



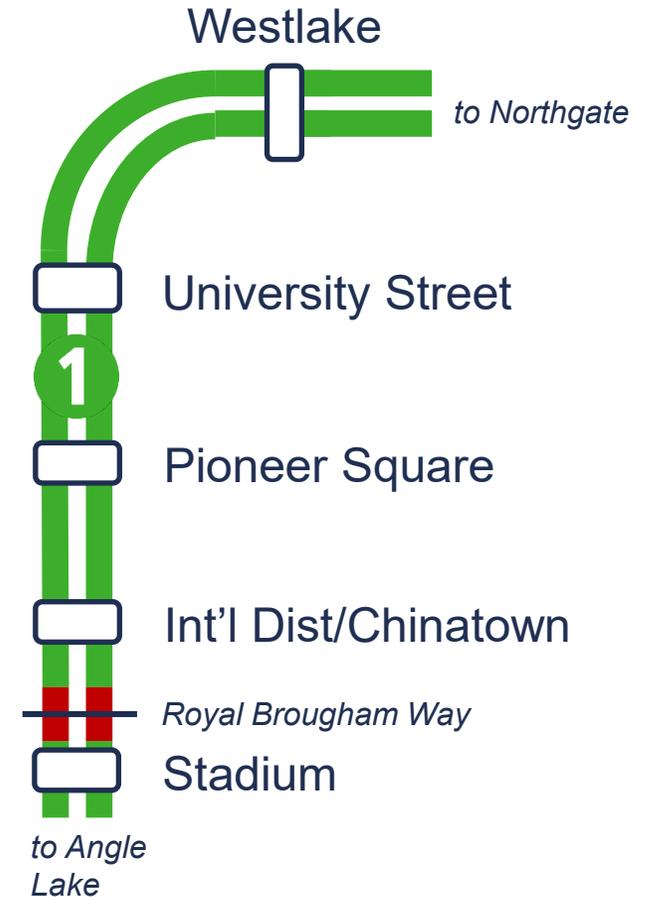
to Angle Lake

Royal Brougham grade crossing repair

Work planned for Q3 2023

This project 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.
- **Passenger benefit:** Restore track to allow designated speed and provide faster and more reliable service in wet weather conditions.



Royal Brougham grade crossing repair

Work planned for Q3 2023

- **What is the fix:** Design is being finalized to install subsurface drains at the crossing to collect and remove rainwater. The track and road crossing surface will be restored.
- **What is the expected service impact:** Duration to complete repairs and full extent of passenger impact is still being examined but work will require a temporary full shutdown of both tracks.



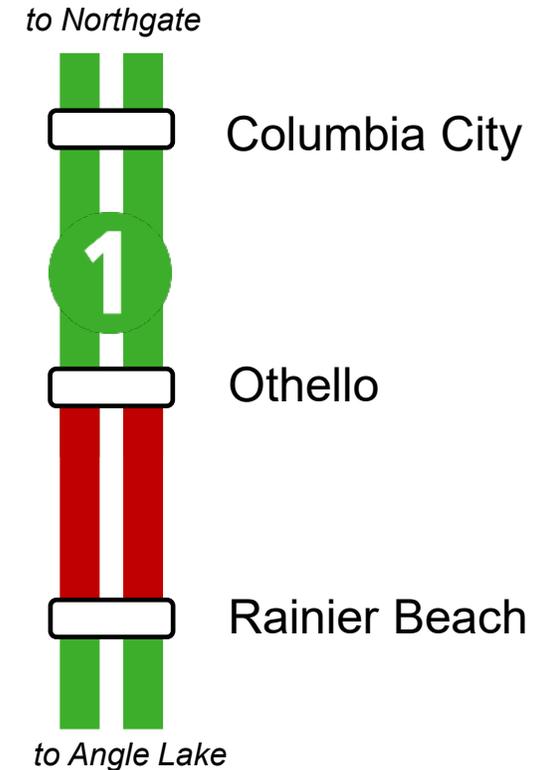
Othello and Rainier Beach platform repairs

Work planned for Q3 2023



Similar work as that completed in Columbia City in 2022. New tiles will last longer and be easier to maintain.

- **Why this is necessary:** failing tiles and underlying concrete are a trip/fall hazard and are not ADA-compliant.
- **Passenger benefit:** renewed platforms that are safer and have a longer service life.



Othello and Rainier Beach platform repairs

Work planned for Q3 2023

- **What is the fix:** Work will remove 12” existing porcelain tiles and install new larger concrete polymer tiles. Contractor being procured now.
- **What is the expected service impact:** Both stations will be completed at the same time. Construction of each side expected to require about 2 weeks and will require about 4 weeks single tracking in total through this section of the 1 Line.



Pictured: Completed tile work at Columbia City Station in 2022

Looking ahead to 2024

- Multiple State of Good Repair and Service Expansion related work targeted for Q1 2024
- Full details still being developed, but significant service and passenger impacts are expected:
 - Potential for multi-week single tracking events
 - Potential for multi-day shutdowns of portions of the 1 Line

Next Steps

- Continue to refine project level plans and minimize impacts of service disruptions for passengers
- Continue to look for efficiencies and opportunities to consolidate the work impacts across the system
- Begin communications to prepare passengers for the Q2/Q3 projects
- May REO update with further refined project details and if there are any further developments

Thank you.

Thank you.



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