

Future Ready

Upcoming projects and service disruptions

Rider Experience and Operations Committee

7/15/22



Why we are here

- Ongoing & upcoming maintenance work
- Status of current work
- Improvement in future planning

Future Ready projects

Today's presentation:

1. Rainer Valley platform rebuilds
2. Electrical work to minimize future disruptions
3. Increasing reliability between Rainier Beach & Tukwila

Future presentation:

4. Safer and smoother rides near Westlake
5. Reducing signal failures downtown
6. Connecting the 2 Line to the 1 Line

***Rebuilding platforms in
the Rainier Valley***

Platform repair work

Columbia City

- The first part of the work started **July 11 and will end on July 24**. The second part will be between **Aug. 19-Sept. 1**
- Crews are removing the platform tiles and the underlying mortar and build it up, with new tiles.
- Work occurs in the right-of-way, requiring trains to share one track for 2.3 miles between S. Walden and S. Willow streets.
- Trains can reliably operate every 20 minutes through the work area.

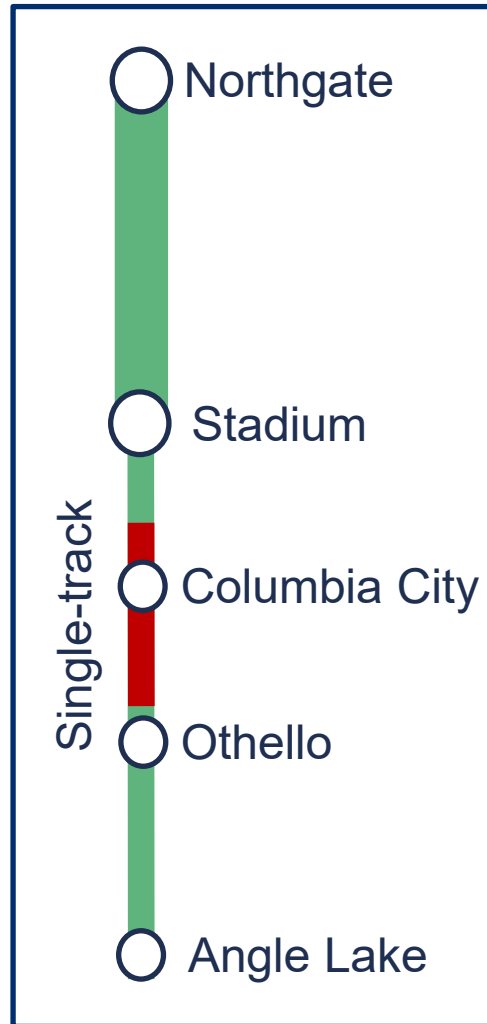
Work Area



Operating plan during platform rebuilds

Operating plan

- We've changed our plan after public feedback and further analysis.
- We will attempt to run trains every 10 minutes between Northgate-Stadium.
- Trains will run approximately every 20 minutes between Stadium-Angle Lake.



Current Update

- Tiles came out very easily & mortar bed needed more demolition than planned
- Operational adjustments made in signal use, station announcements and variable messaging system
- We have achieved our promised headways
- Higher crowding effect during peak hours, close to pre-pandemic levels

Platform repair work

Othello & Rainier Beach

- Similar scope of work to Columbia City.
- Work is not yet scheduled but will occur prior to East Link opening.
- Shorter single-track section (1.4 miles) between Merton Way and S. Willow St. will allow both stations to be completed simultaneously.
- Trains should arrive more reliably and slightly more often compared to the Columbia City work.



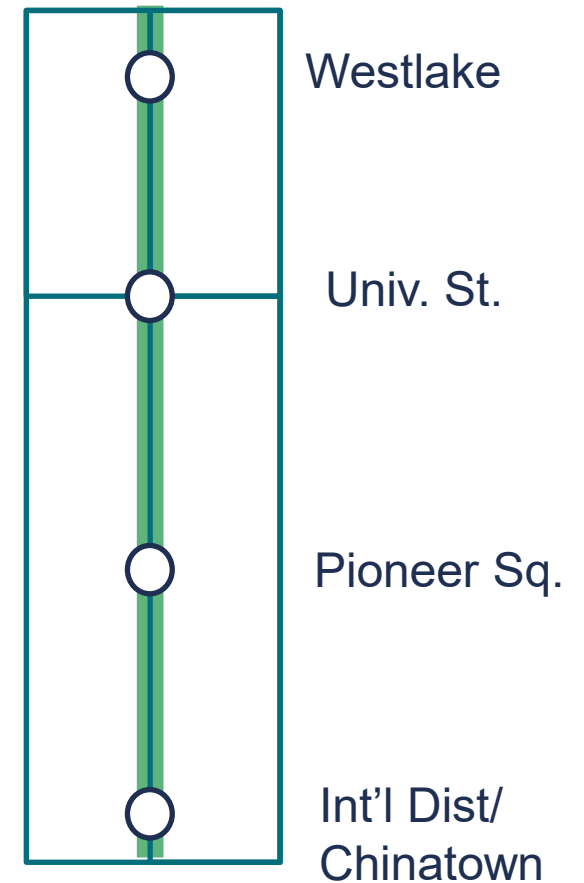
***Electrical work to minimize
future disruptions***

Overhead wire sectioning, downtown Seattle

~~Oct. 21-23 & Nov. 11-13~~

- **Why this is necessary:** currently, shutting down overhead wires at any one downtown station requires closing all four. This project will split the overhead catenary system at University Street station, into four quadrants that can be shut down separately for maintenance.
- **Passenger benefit:** fewer station closures, shorter bus bridges, more flexible and resilient service.
- Operating plan is under review.

Quadrants in downtown tunnel after project complete



***Increasing reliability
between Rainier Beach &
Tukwila***

Tukwila overhead wire replacement

Five days in Q3 2022

- This project replaces more than three miles of overhead wire on the elevated section between Boeing Access Road and Tukwila International Blvd. Station.
- **Why this is necessary:** Overhead wire in this area is worn and needs to be reconfigured for more consistent contact between trains and the wires.
- **Passenger benefit:** More reliable train power, fewer service disruptions.
- Operating plan is under review, will likely require bus bridging between Rainier Beach and Tukwila.



***Other work in the
next 6 months***

Three additional projects

Q4 2022 to Q1 2023

- **Rail replacement near Westlake:** project to replace worn rail and improve safety and ride quality.
- **Bond box replacement:** one-time replacement of signal boxes embedded in the tracks that were damaged by joint bus-rail operations.
- **East Link prep work:** completing overhead power, activating rail switches, and other work to connect the future 2 Line to the current 1 Line.

Process Improvements

Lessons Learned

- Improved method of capturing all planned projects.
- Engage with stakeholders earlier in planning, when there is significant passenger/stakeholder impact .
- Improve the method of delivery of the projects

Thank you.



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