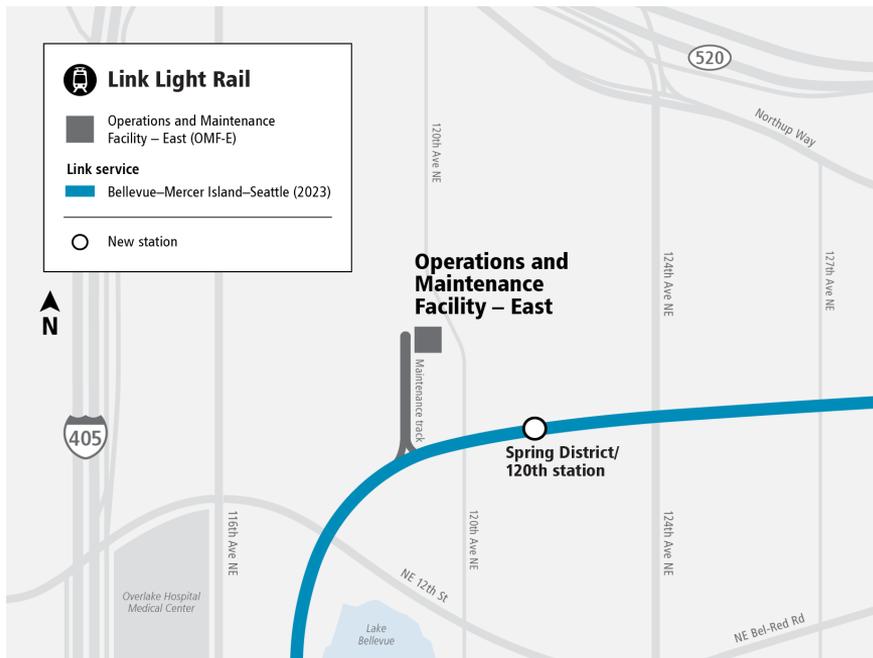


Construction Program Performance Overview

System Expansion Committee

10/08/20

Operations and Maintenance Facility – East



- Trending well within Project Budget of \$449.2M
- On schedule for completion in 2020
- 93% Complete
- Project Risks:
 - Training plan and manuals arrive late, negatively impact coordination with ST Facilities and Operations
 - Impacts from Type 2 LRV difference - Commissioning schedule contingency insufficient for actual level of effort
 - Competition for ST resources to support design builder commissioning and close out of the project

Operations and Maintenance Facility – East





Northgate Link Extension

- Trending well within Project Budget of \$1,899.8M
- On schedule for Revenue Service by September 2021
- 96% Complete
- Estimated Savings of \$52.4M
- Project Risks:
 - Safe execution of remaining work including hi-rail safety and high voltage electrical work
 - Systems installation, commissioning, integrated testing or rail activation may experience delays
 - Thresholds for noise and vibration or electro-magnetic interference (EMI) at UW caused by light rail vehicle operation may be exceeded
 - Late delivery of long-lead electrical and systems equipment

Northgate Link Extension

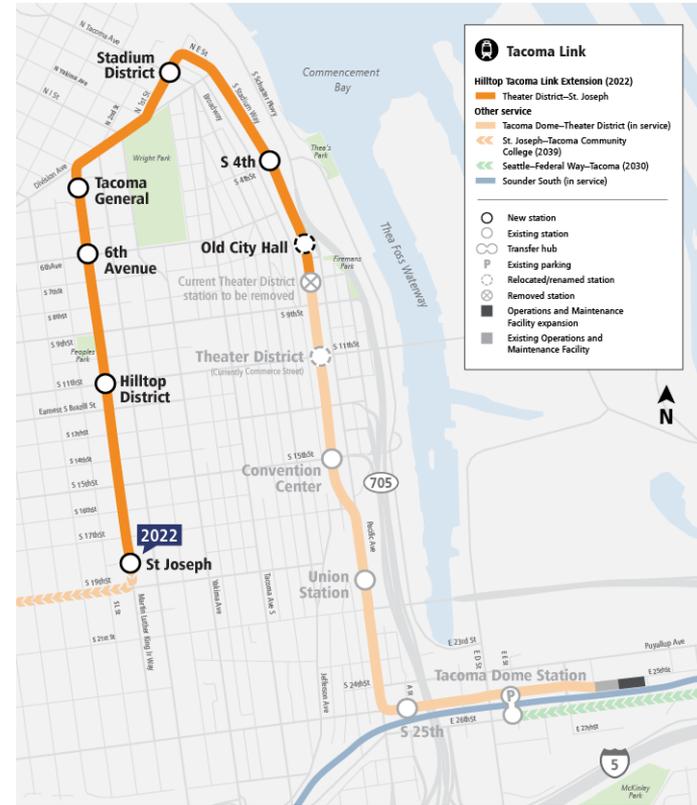


Light Rail Vehicle Fleet Expansion



- Trending well within Project Budget of \$740.7M
- Commissioning behind schedule, recovery strategies underway
- 32% Complete
- Project Risks:
 - Delay in commissioning & burn-in of first six Siemens' LRVs
 - Supply chain issues or specialty contractor constraints may impact field modifications required for revenue service
 - Verification of documents on CIL (Certifiable Items List) takes more time than anticipated

Hilltop Tacoma Link Extension



- Trending within revised Project Budget of \$252.7M
- On schedule for Revenue Service by May 2022
- 61% Complete
- Project Risks:
 - Lack of an approved fully-integrated schedule due to unapproved Integrated System Testing Program is creating a series of cascading impacts to the project
 - Roadway improvements and modifications along MLK are greater than anticipated due to the condition of adjacent sidewalks and curbs



Hilltop Tacoma Link Extension

East Link Extension



- Trending well within Project Budget of \$3,677.2M
- On schedule for Revenue Service by June 2023
- 85% Complete
- Project Risks:
 - Interim milestones and Systems turnover
 - Resolution of commercial issues
 - Redmond Technology Station Parking Garage

East Link Extension



Link Light Rail

Lynnwood–Seattle–Federal Way (2024)

Surface

Elevated

Lynnwood–Seattle–Redmond (2024)

Surface

Elevated

Other service

Link in service

SR 522/NE 145th Bus Rapid Transit (2024)

Lynnwood–Mariner–Everett (2036)

New station

Transfer hub

Future station (2031)

New parking

Existing parking

Lynnwood City Center

2024

Mountlake Terrace

Shoreline North/185th

Shoreline South/145th

NE 130th

Northgate

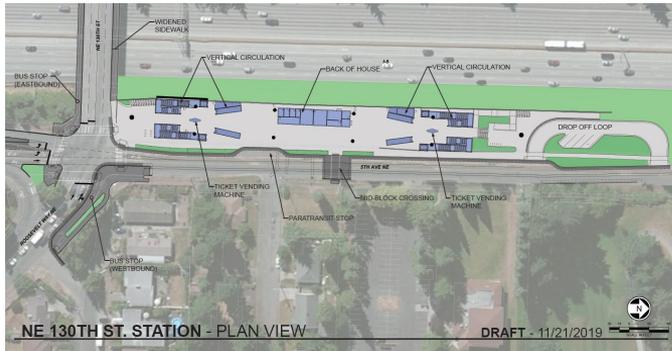
Lynnwood Link Extension

- Trending within Project Budget of \$2,771.6M
- 24% complete
- On schedule for Revenue Service by July 2024
- Project Risks:
 - Safety risks associated with transition to elevated work
 - Tight budget and limited contingency
 - Errors and Omissions and Design Deficiencies

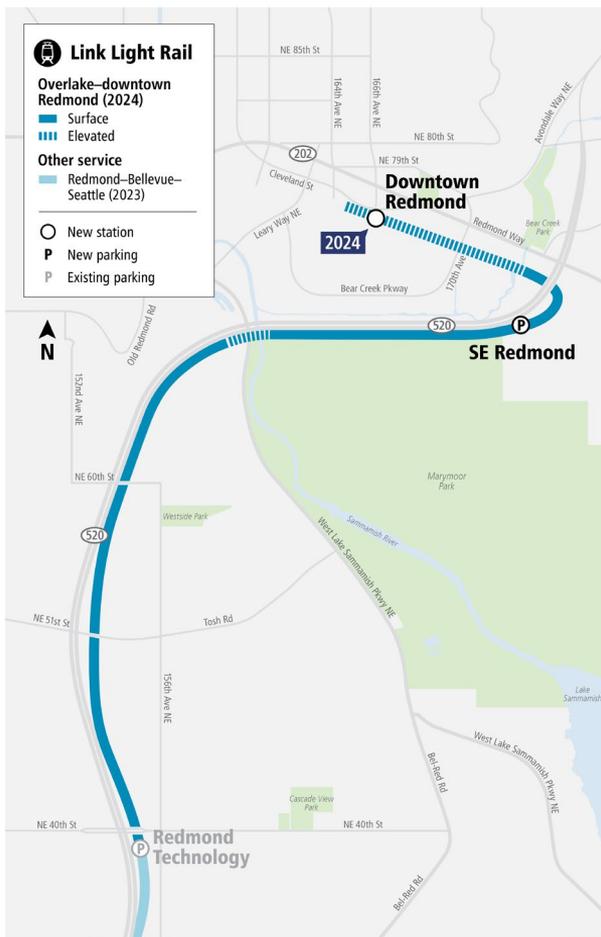
Lynnwood Link Extension



NE 130th Street Infill Station



- Construction underway on the progressive structure, 16% complete with the authorized package
- 60% design milestone achieved in September
- Return to the Board expected in 3Q 2021
- Project Risks:
 - Final Design schedule and timing of Board review to maintain synchronization with Lynnwood Link
 - Coordination with local jurisdictions on permit review



Downtown Redmond Link Extension

- Trending well within Project Budget of \$1,530.0M
- On schedule for Revenue Service by December 2024
- 14% Complete
- Project Risks:
 - Delay of Corps of Engineers permit
 - Groundwater elevation in SE Redmond
 - Private utility interface and relocation

Downtown Redmond Link Extension



Link Light Rail

Angle Lake–Federal Way (2024)

- Surface
- Elevated

Other service

- Angle Lake–Seattle (in service)
- Federal Way–Fife–Tacoma (2030)

○ New station
 ○ Existing station
 P New parking
 P Existing parking



Federal Way Link Extension

- Trending within Project Budget of \$2,451.5M
- On schedule for Revenue Service by December 2024
- ~ 70% Complete (Design) ~15% Complete Construction
- Project Risks:
 - On-going challenges in the field coordinating the timely work of 3rd-party utilities
 - Securing necessary permits in a timely fashion
 - Execution of key 3rd party agreements and incorporating alternative technical concepts

Federal Way Link Extension



Puyallup Station Parking & Access Improvement Project



- Trending within Project Budget of \$79.1M
- On schedule for opening by 2022
- 10% Complete
- Project Risks:
 - Minimal remaining project float due to COVID-19 impacts on local jurisdiction
 - Inadvertent Discovery Plan review delayed due to COVID-19
 - City Design Review Panel approval and/or stipulation of additional requirements

Key Takeaways

- Budget
 - YTD System Expansion Project expenditures are at 94% of planned through August. Updating year-end forecast.
 - Projects tracking within approved baseline budgets
 - Tight budget and cost pressure remain on Lynnwood Link and Hilltop Tacoma Link Extensions
- Schedule
 - Projects proceeding on schedule, LRVs implementing recovery strategies
- Risks
 - Active risk monitoring and mitigation continues on all projects
 - Resurgence of COVID-19 results in additional restrictions that slow down or suspend equipment deliveries and/or construction activities, or impact labor availability

Thank you.



 [soundtransit.org](https://www.soundtransit.org)

