

# *Readiness for Link Openings in 2024*

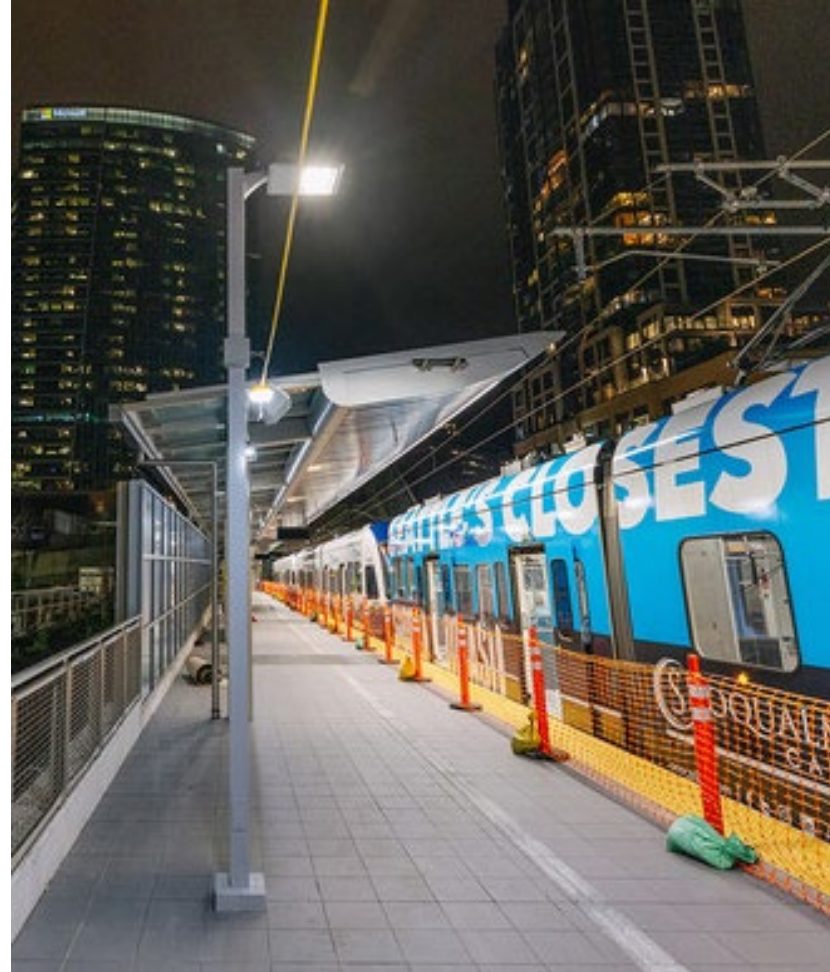
*System Expansion Committee*

*05/11/2023*



# *Why we are here*

- Briefing only, no action needed today.
- Provide update on progress to date for Lynnwood Link Extension (LLE) and East Link Starter Line (ELSL)



- Link light rail
- Lynnwood–Angle Lake
- Redmond Technology–South Bellevue
- Tacoma Dome–St Joseph
- Sounder trains
- Everett–Seattle
- Lakewood–Seattle
- ST Express buses
- Current routes



# System overview

**1** Line to Lynnwood (LLE)

**2** Line Eastside (ELSL)

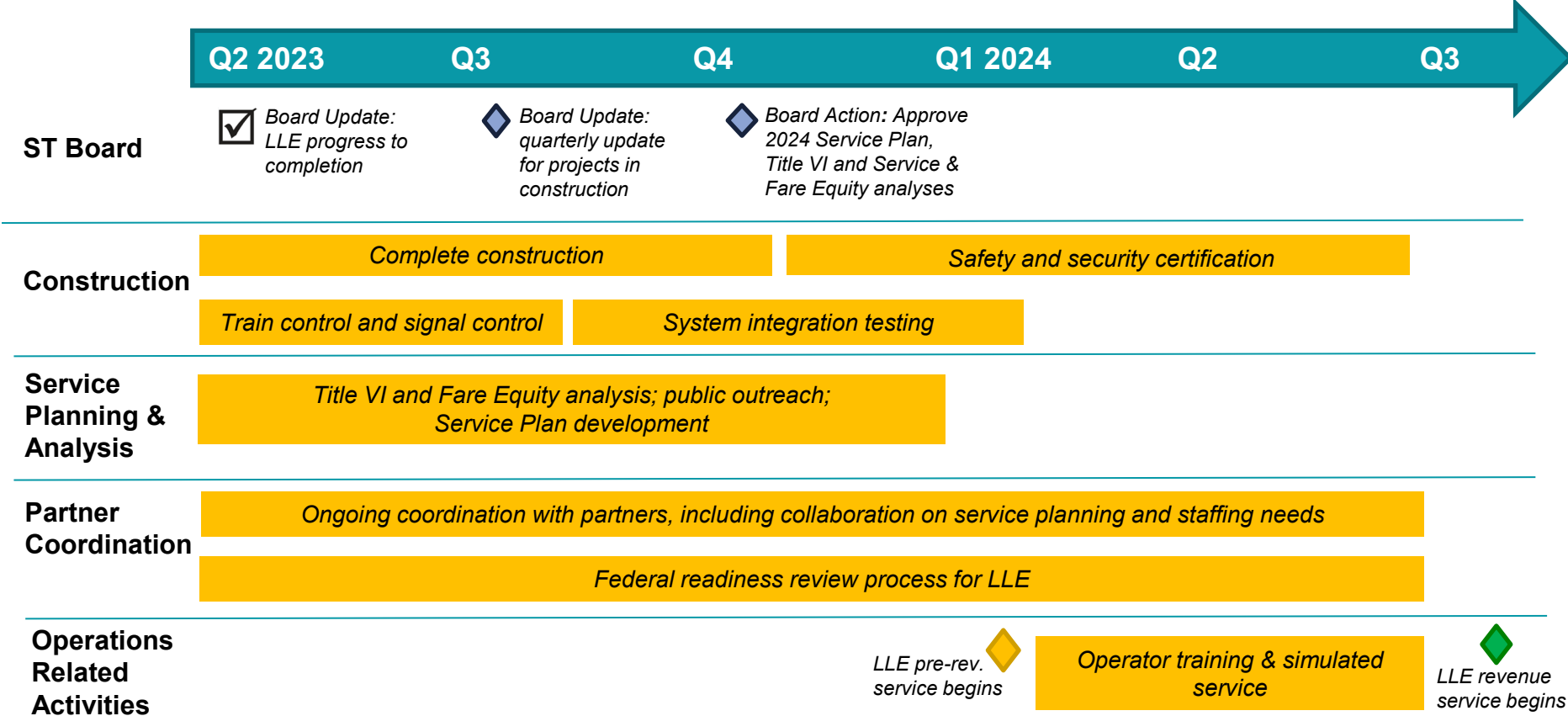
- LLE is on schedule to open with operating constraints in summer/fall 2024.
- ELSL could be open with service constraints in Spring 2024 pending ongoing assessment of system-wide needs and Board approval later this year.

# *Key programmatic challenges*

- Fleet availability (new vehicles, retrofits, spare reliability, and storage)
- Adequate rail activation, operators, and OMFE maintenance staffing to ensure integrity of start-up and testing

***Lynnwood  
Link Extension  
(LLE)***

# Key tasks and milestones for Lynnwood Link Extension



# Service on opening day

## Opening Summer/Fall

**2024** *(pending Board approval)*

- Studies underway evaluating feasibility given current constraints of OMF-Central and disconnection from OMF-East
  - This could impact span of service, headways, and size of train sets
- Upcoming REO and SEC meetings to further discuss details and trade-offs





# Key challenges

- Fleet storage capacity: light rail vehicles are limited to serve LLE due to the lack of connection between the 1 Line and the OMF East (cannot move vehicles between 1 Line and 2 Line until I-90 segment is open)
- Availability of start-up staff to support testing and pre-revenue activities.
- Continued review of the window of openings between extensions for safety, reliability, and passenger experience



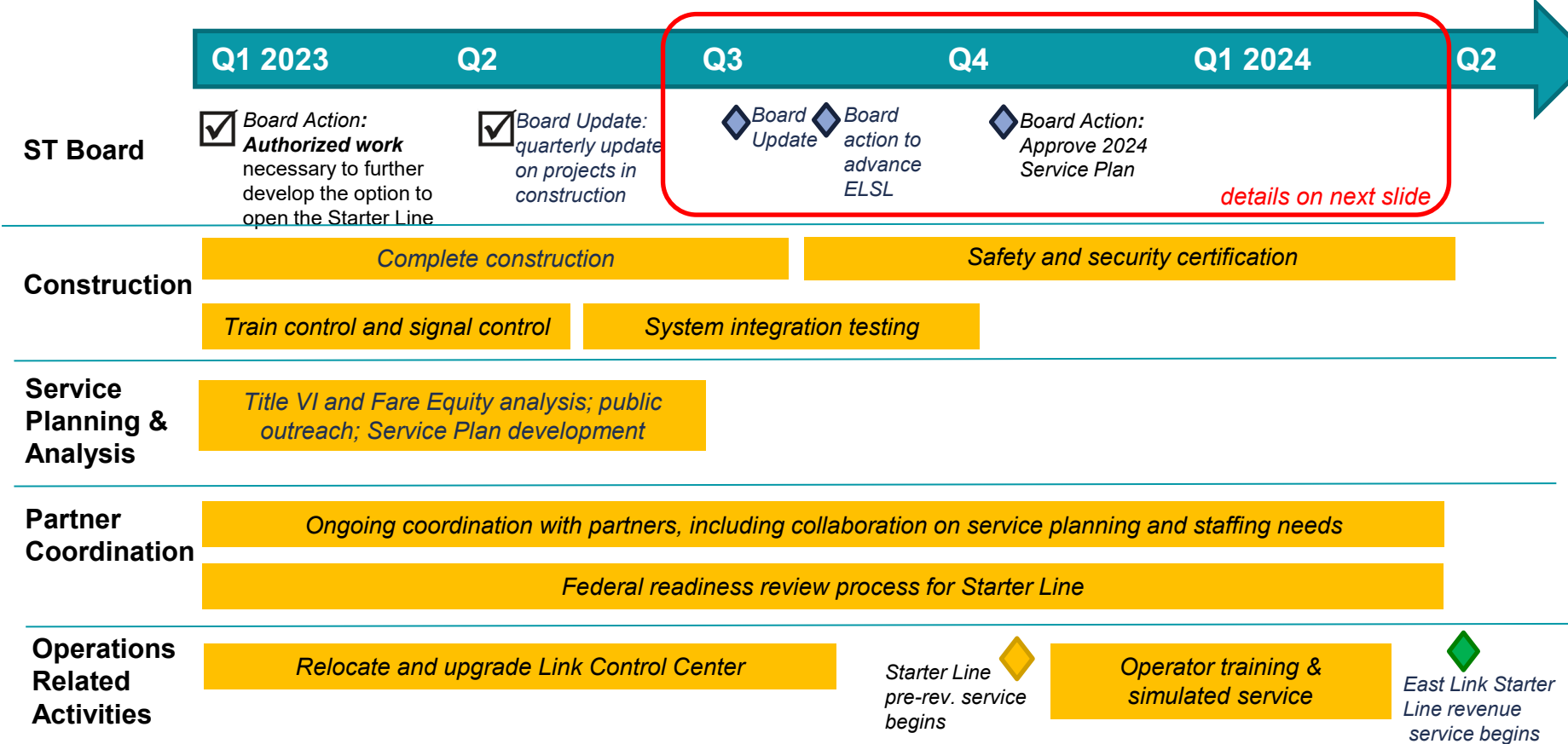


***East Link  
Starter Line  
(ELSL)***

# *Benefits of ELSL*

- Introduces light rail service to the Eastside
- Activates a 7 mile segment with 8 stations
- Initiates use of escalators, elevators, etc. while under warranty
- Earlier use of new vehicles and OMF East for revenue service
- Reduces risk to sitting assets

# Milestone schedule for East Link Starter Line



# Key Board activities for ELSL

Q3 2023

◆ July REO & Board: update on ELSL Title VI analysis

◆ August REO, SEC & Board: Board Action to recommend ELSL in 2024 Service Plan in time to start pre-revenue service

Q4

◆ October: REO recommends full 2024 Service Plan to Board

◆ October: Board adopts 2024 Service Plan (for ELSL, LLE, and REX)

ELSL Pre-Revenue Service Period

# Service on opening day

## Opening Spring 2024 (pending Board approval)

- 14- to 20-hour span of service
- 8- to 10-minute headways
- 2- to 4-car consists

Option 1 Service Level	20 hours of service per day 4-car trains Headways: 8-min peak; 10 min off-peak; 15 min early/late	Option 2 Service Level	20 hours of service per day 2-car trains Headways: 10-min peak and off-peak; 15 min early/late	Option 3 Service Level	14 hours of service per day 2-car trains Headways: 10 min peak and off-peak
Train Car Availability		Train Car Availability		Train Car Availability	
Staffing Resources		Staffing Resources		Staffing Resources	
Room for Passengers		Room for Passengers		Room for Passengers	
System Impacts		System Impacts		System Impacts	
Conclusion		Conclusion		Conclusion	

# *Top challenges*

- Recruiting and training key personnel
- Other considerations we're addressing:
  - Completing testing, including Passenger Information Management System (PIMS), and Safety Certification
  - Minor track adjustments and rail grinding
  - Completing at-grade crossing enhancements

# *As issues arise...*

## *Staff will notify the Board at the earliest opportunity*

Board action may be necessary to change assumptions, approve mitigations, or authorize other changes to accommodate the issue.





# *Moving forward*

- Staff will continue to monitor the interplay between resources needed for preparing to open LLE and ELSL to allow both projects to open without shifting or influencing the opening of LLE (e.g. training, testing)
- Vehicle availability and storage is critical and will impact the ability to open each extension with "full" service: presentation to SEC next month

*Thank you.*



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