

ST/SBCC Station Standardization Partnering

7/18/2024



Agenda

- Background: ST Capital Program
- Issues and Challenges
- Proposal
- Goals and Benefits
- Current System (2024)
- Voter Approved System (2024)
- Upcoming Light Rail Projects (2031 – 2044)
- Next Steps
- Questions



ST Capital Program

- Largest voter-approved transit expansion program in the country
- Expanding Link light rail, Sounder Commuter Rail
- Introduces STRide Bus Rapid Transit service
- \$80 Billion total in transit infrastructure and investments in the Central Puget Sound Region



Issues and Challenges

- Light rail stations are complex, unique structures
- Part of an integrated transportation system; mixes conventional ST design standards and industry specific codes and standards
- Inherently transitional; challenges conventional applications of code, life-safety requirements
- Project level “one-off” solutions are not binding or a resilient long-term strategy
- Overburdens local AHJ in direct knowledge and staffing needs



Proposal

- Partnership with SBCC to explore code-based solutions for station delivery
- Invite affected AHJ partners to participate
- Hire qualified plans examination consultant to perform station technical codes analysis.
- Draft new or modified codes applicable to light rail stations for State level adoption



Goals & Benefits

- Consistent, uniform code application across jurisdictions; makes design, and permitting more legible and stable across the regulatory environment
- Mitigates or eliminates local “one-off” technical code solutions
- Creates shared knowledge of light rail station design
- Builds on previous State level code updates partnering with cities of Seattle and Bellevue



Goals & Benefits – Optional (cont.)

- Plans examination consultant may relieve local AHJ staffing pressures.
- Plans examination consultant possesses high level competence of light rail station design. Helps ensure consistency and timely turnover of plans review.
- AHJ may opt to allow plans examination consultant to perform full plans review, subject to AHJ final approval.



Why does this matter?



Current system (2024)

Link light rail 1 2 T

- Three lines
- 35 miles
- 40 stations
- Connecting Northgate–Angle Lake, Tacoma Dome–St Joseph, South Bellevue–Redmond Technology

Sounder trains N S

- Two lines
- 83 miles
- 12 stations
- Connecting Everett–Seattle and Lakewood–Seattle

ST Express buses

- 24 express routes on regional freeway corridors



Voter-approved system

Link light rail 1 2 3 4 T

- Five lines
- 116 miles
- 83 stations

Sounder trains N S

- Two lines
- 91 miles
- 14 stations

Stride bus rapid transit S1 S2 S3

- Three lines
- 45 miles on I-405 and SR 522
- Serving 12 cities and connecting to light rail in Shoreline, Lynnwood, Bellevue, and Tukwila



Graham Street Targeting 2031

1 Line

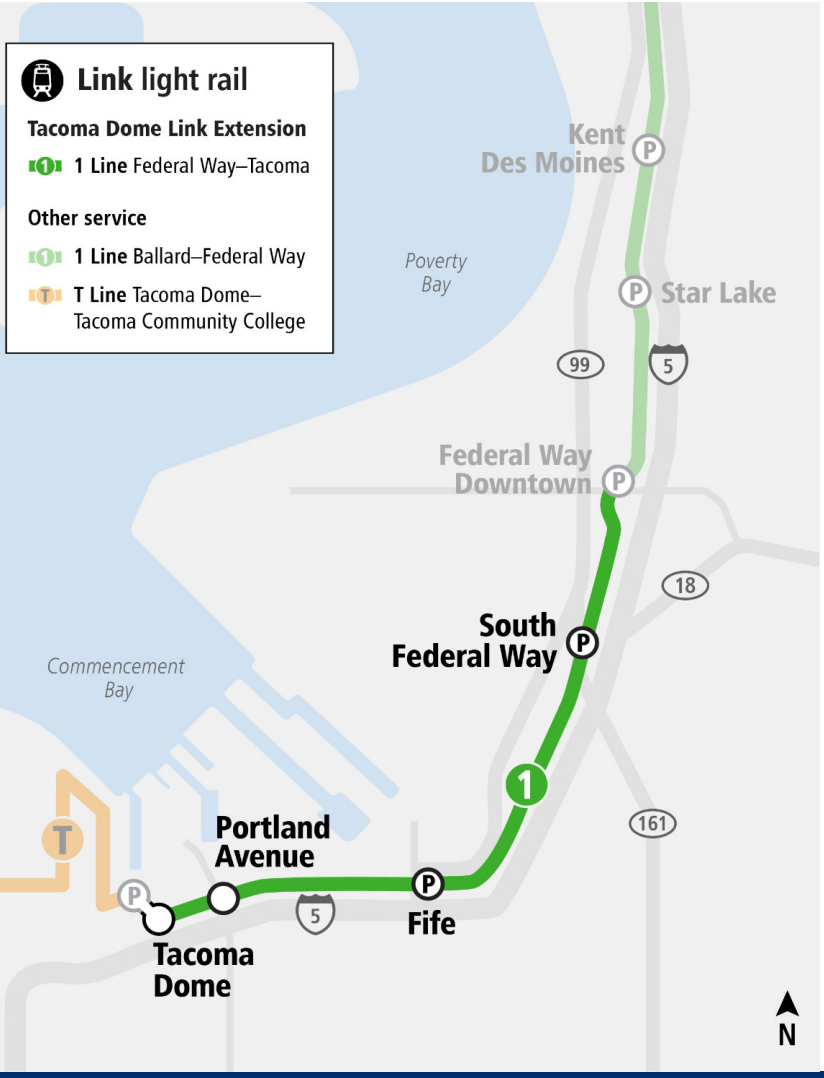
- New at-grade infill station on existing 1 Line.
- Bridges the 1.6-mile gap between the popular Columbia City and Othello stations.

3 Line

West Seattle Targeting 2032

- Launches the 3 Line.
- Three new stations at Delridge, Avalon, and Alaska Junction.
- 4.7 miles at opening.
Full line will run 37 miles from West Seattle – Everett.





1 Line

Tacoma Dome Targeting 2035

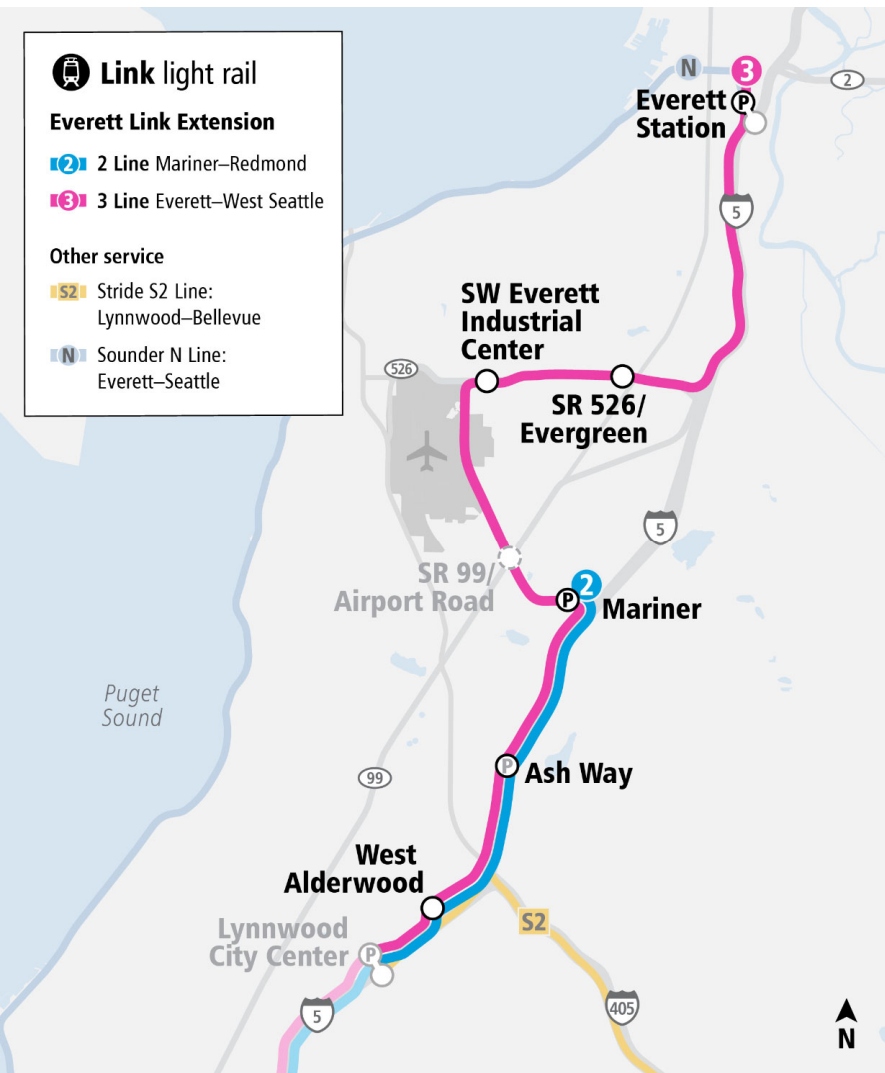
- Four new stations: South Federal Way, Fife, Portland Ave, Tacoma Dome.
- Crosses the Puyallup River.
- 9.7-mile extension.

23 Lines

Everett

Targeting 2037-2041

- Six stations serving West Alderwood, Ash Way, Mariner, SW Everett Industrial Center, SR 526/Evergreen, and Downtown Everett.
- Expands 3 Line to Everett, expands 2 Line to Mariner.
- 16.3 miles, the longest single planned extension.





1 Line

Ballard Targeting 2039

- Seven new stations: Ballard, Interbay, Smith Cove, Seattle Center, South Lake Union, Denny and Midtown.
- New tunnel under downtown Seattle, from Stadium to Seattle Center.
- 7.1 miles.

TCC Tacoma Link

Targeting 2039

- Six new stations: Ainsworth, Sprague, Union, Stevens, Pearl, and Tacoma Community College.
- Connects the existing T Line to Tacoma Community College via S 19th St.
- 3.5 mile extension.





4 Line

South Kirkland – Issaquah

Targeting 2041-2044

- Launches the 4 Line, seven stations (four new), 11.8 miles.
- Transfers to 2 Line at East Main, Bellevue Downtown, Wilburton.

Interim next steps

- **Form initial stakeholder group featuring ST, SBCC and designated representatives.**
- Begin outreach to affected cities
- Prepare scope and schedule for onboarding plans examination consultant.
- Establish timeline and deliverables
- Establish initial partnership budget



Questions?

Thank you.

Thank you.



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