



West Seattle and Ballard Link Extensions

Transit Advisory Board | November 28, 2018

Agenda

- › *Welcome and introductions*
- › *West Seattle and Ballard Link extensions*
- › *Community engagement & collaboration*
- › *Level 1 and Level 2 recap*
- › *Level 3 end-to-end alternatives*
- › *Next steps*



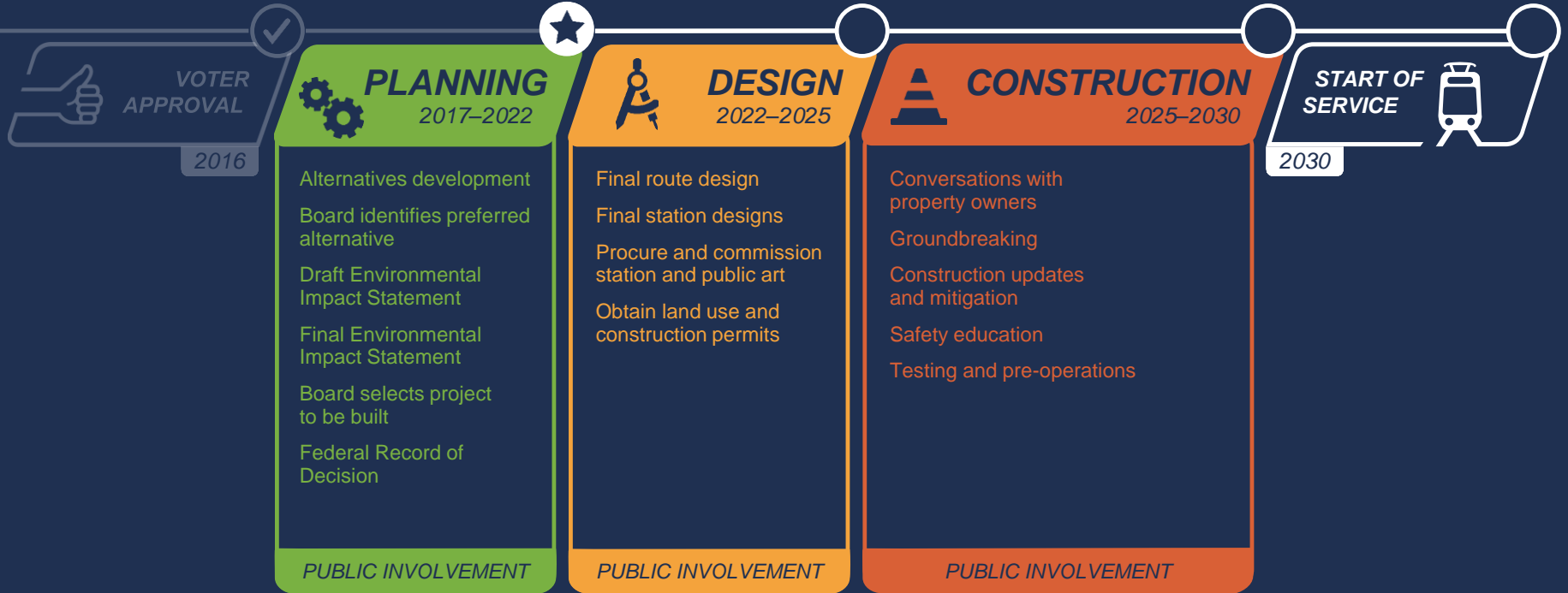
***West Seattle and Ballard
Link Extensions***



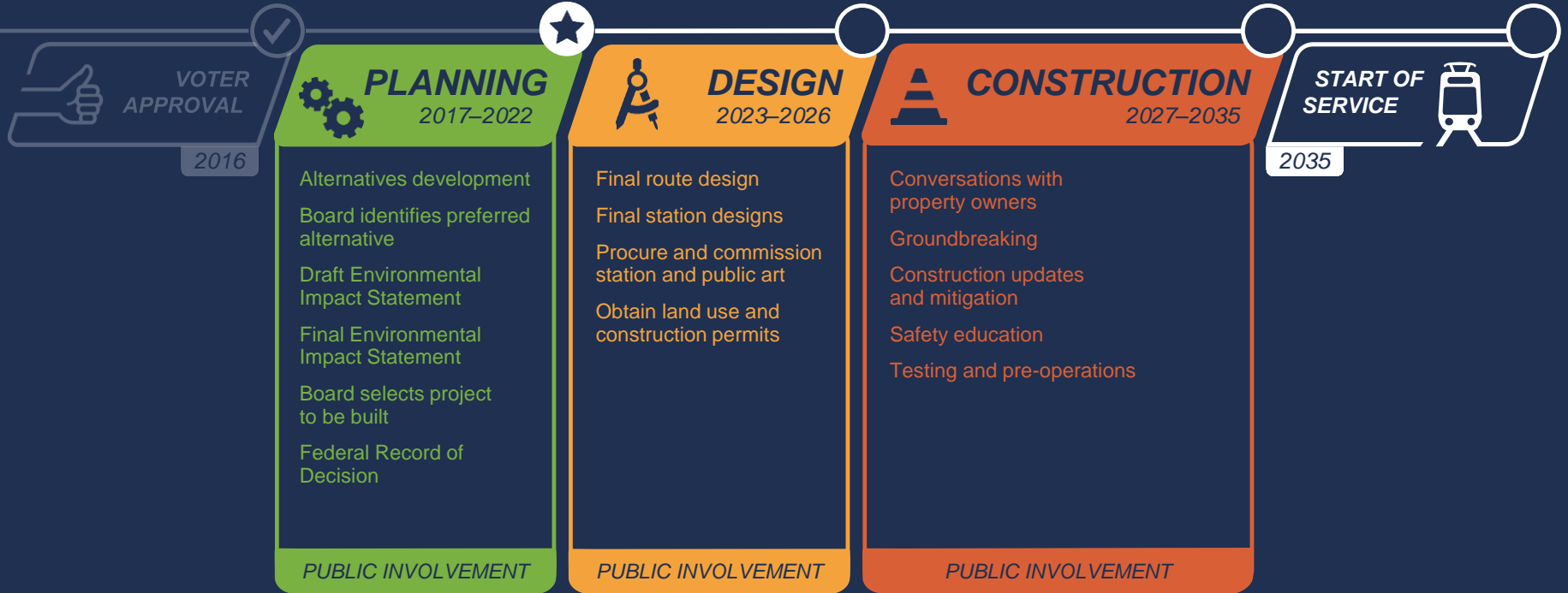
ST3 Representative project

- Identifies mode, corridor, number of stations, general station locations
- Informs cost, schedule, operating needs

West Seattle project timeline



Ballard project timeline





PLANNING



DESIGN

2017–2019

Alternatives
development

Board identifies
preferred alternative

2019–2022

Draft Environmental
Impact Statement

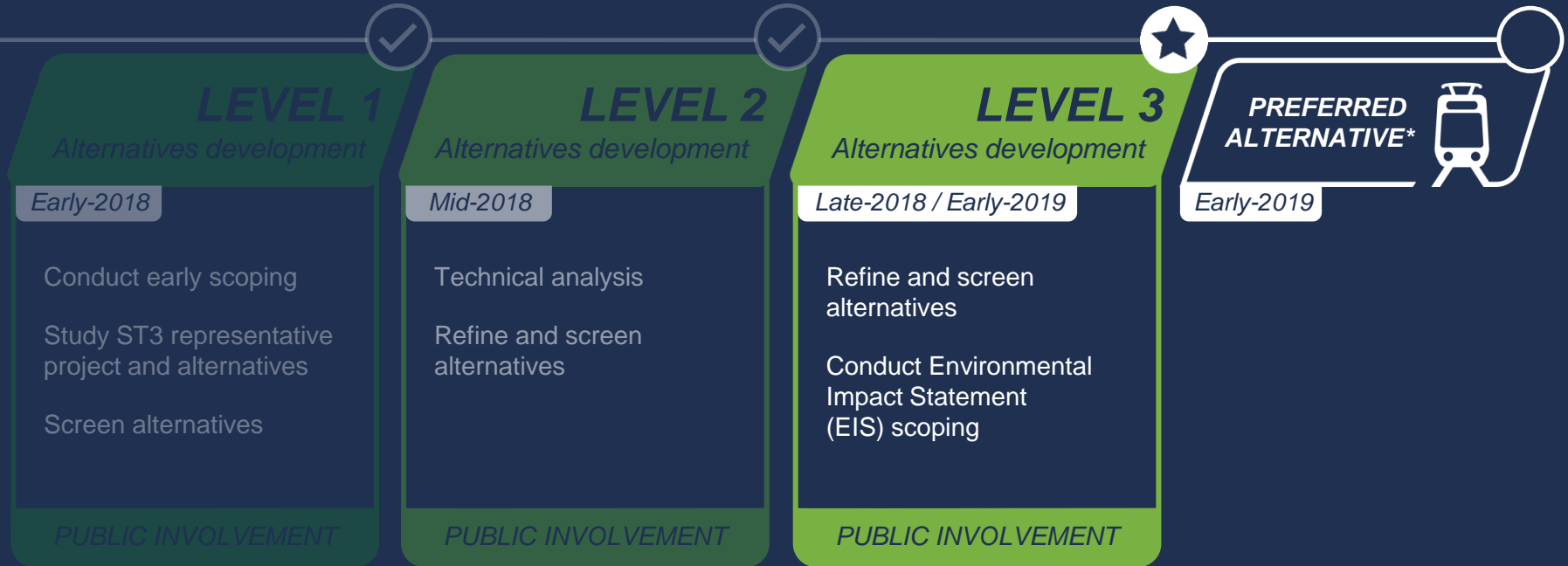
Final Environmental
Impact Statement

Board selects project
to be built

Federal Record of
Decision

PUBLIC INVOLVEMENT

Alternatives development process



*The Sound Transit Board identifies preferred alternatives and other alternatives to study.

Community Engagement, Equity and Inclusion

WHO IS SOUND TRANSIT?

We plan, build and operate regional transit systems and services to improve mobility in urban areas of King, Pierce and Snohomish counties.

Sounder commuter rail

The Sounder train runs between Everett and Seattle, Pierce County, Tacoma, Olympia, Everett, and Everett, and is operated by Sound Transit. Sounder provides a fast and reliable service for commuters and is a key part of the regional transit system.

Link light rail

Link light rail is a fast and reliable service for commuters and is a key part of the regional transit system. It provides a fast and reliable service for commuters and is a key part of the regional transit system.

Everett bus

Everett bus is a fast and reliable service for commuters and is a key part of the regional transit system. It provides a fast and reliable service for commuters and is a key part of the regional transit system.

Our Board
Sound Transit is governed by an 11-member Board made up of local elected officials and the Secretary of the Washington State Department of Transportation. The Board establishes policies and gives direction and oversight.

Funding
The system plan is paid for with a combination of state-approved taxes, federal grants, farebox recoveries, local bonds and interest payments. By 2026, system operating costs will be paid for with local taxes, farebox recoveries, interest earnings, private sources and federal operating assistance.

 SOUNDTRANSIT

FUTURE SERVICE

Sound Transit System Expansion will:

- Build a 118-mile light rail network extending from Everett to Tacoma and from Seattle neighborhoods to Redmond and Issaquah.
- Establish Bus Rapid Transit (BRT) to the north, east and south of Lake Washington.
- Expand Sounder south line capacity and service adding two new train sets.
- Improve service at existing stations.



 SOUNDTRANSIT

Community engagement and collaboration



Meeting dates subject to change.

External Engagement Report: Jan-Oct. 2018



112 community briefings



13 open houses or forums



14 festivals **3,932** community members
engaging more than



2 online open houses



10 Stakeholder Advisory Group meetings



14 email updates **4,160** subscribers
engaging more than



4 Elected Leadership Group meetings

2018 Festivals

- ✓ Morgan Junction Festival (6/16)
- ✓ Festival Sundiata (6/16-6/17)
- ✓ West Seattle Summer Fest (7/13-7/15)
- ✓ Ballard Seafood Fest (7/13-7/15)
- ✓ Dragon Fest (7/14-7/15)
- ✓ South Lake Union Block Party (8/10)
- ✓ Delridge Day (8/11)
- ✓ Celebrate Little Saigon (8/26)
- ✓ Night Market (9/8)
- ✓ Fishermen's Fall Festival (9/15)
- ✓ Sustainable Ballard Festival (9/22)
- ✓ Magnolia Farmers Market (10/6)





Station Charrettes

Collaborative design sessions with agencies and community stakeholders

- ✓ 6/28: Ballard / Interbay
- ✓ 7/12: Seattle Center
- ✓ 7/20: Delridge
- ✓ 7/24: Alaska Junction / Avalon
- ✓ 7/31: Chinatown – International District
- ✓ 8/2: Denny / SLU
- ✓ 8/28: SODO/Stadium
- ✓ 9/13: Smith Cove

Equity & Inclusion

- › **Sound Transit & City of Seattle partnership** utilizing the Racial Equity Toolkit (RET)
- › Working group structure focused on engagement and data analysis
- › Collaboration to elevate issues and considerations to **better inform the alternatives development process**
- › Strive to **provide information** that data alone cannot provide
- › What's next?: Report back to stakeholders & expand engagement with the community at large

Racial Equity Toolkit
to Assess Policies, Initiatives, Programs, and Budget Issues

RACE & SOCIAL JUSTICE INITIATIVE

The vision of the Seattle Race and Social Justice Initiative is to eliminate racial inequity in the community. To do this requires ending **individual racism**, **institutional racism** and **structural racism**. The Racial Equity Toolkit lays out a process and a set of questions to guide the development, implementation and evaluation of policies, initiatives, programs, and budget issues to address the impacts on racial equity.

When Do I Use This Toolkit?

Early. Apply the toolkit early for alignment with departmental racial equity goals and desired outcomes.








How Do I Use This Toolkit?

With Inclusion. The analysis should be completed by people with different racial perspectives.

Step by step. The Racial Equity Analysis is made up of six steps from beginning to completion:

- Step 1. Set Outcomes.**
Leadership communicates key community outcomes for racial equity to guide analysis.
- Step 2. Involve Stakeholders + Analyze Data.**
Gather information from community and staff on how the issue benefits or burdens the community in terms of racial equity.
- Step 3. Determine Benefit and/or Burden.**
Analyze issue for impacts and alignment with racial equity outcomes.
- Step 4. Advance Opportunity or Minimize Harm.**
Develop strategies to create greater racial equity or minimize unintended consequences.
- Step 5. Evaluate. Raise Racial Awareness. Be Accountable.**
Track impacts on communities of color overtime. Continue to communicate with and involve stakeholders. Document unresolved issues.
- Step 6. Report Back.**
Share information learned from analysis and unresolved issue with Department Leadership and Change Team.

Purpose and need

Purpose Statement	Symbol
Provide high quality rapid, reliable, and efficient peak and off-peak LRT service to communities in the project corridors as defined in ST3.	
Improve regional mobility by increasing connectivity and capacity through downtown Seattle to meet the projected transit demand.	
Connect regional centers as described in adopted regional and local land use, transportation, and economic development plans and Sound Transit's <i>Regional Transit Long-Range Plan</i> .	
Implement a system that is consistent with the <i>ST3 Plan</i> that established transit mode, corridor, and station locations and that is technically feasible and financially sustainable to build, operate, and maintain.	
Expand mobility for the corridor and region's residents, which include transit dependent, low income, and minority populations.	
Encourage equitable and sustainable urban growth in station areas through support of transit-oriented development, station access, and modal integration in a manner that is consistent with local land use plans and policies.	
Preserve and promote a healthy environment and economy by minimizing adverse impacts on the natural, built and social environments through sustainable practices.	

Evaluation criteria

17 criteria consistent in all levels of evaluation

- Reliable service
- Travel times
- Regional connectivity
- Transit capacity
- Projected transit demand
- Regional centers served
- ST Long-Range Plan consistency
- ST3 consistency
- Technical feasibility
- Financial Stability
- Historically underserved populations
- Station area local land use plan consistency
- Modal integration
- Station area development opportunities
- Environmental effects
- Traffic operations
- Economic effects

Measures and methods

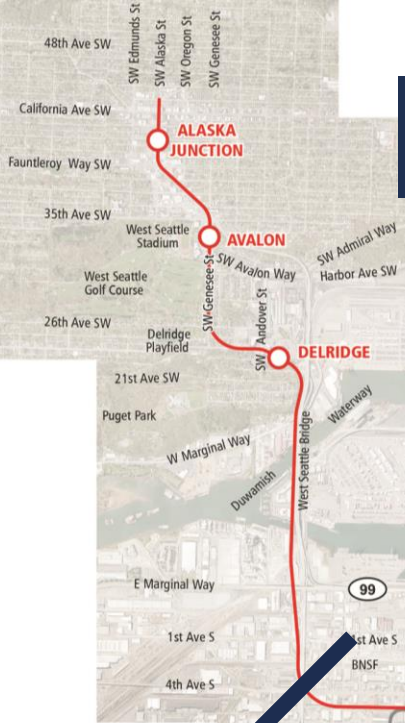
- *50+ quantitative and/or qualitative measures*
- *Rating thresholds for Higher, Medium and Lower*
- *Differentiators and findings among alternatives*

**Lower
Performing**

**Medium
Performing**

**Higher
Performing**

West Seattle/ Duwamish

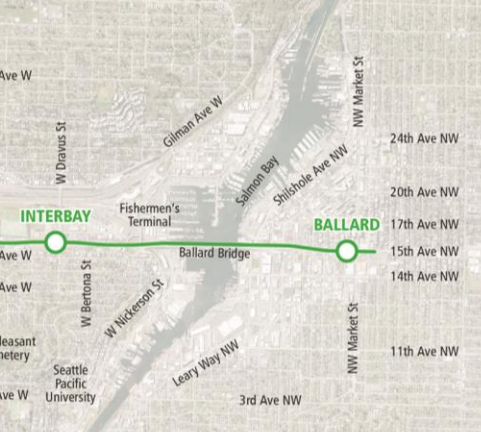


SODO and Chinatown/ID

Downtown



Interbay/Ballard



KEY MAP

- Red line with circle: West Seattle extension/Station area
- Green line with circle: Ballard extension/Station area
- Grey line with circle: Existing Link/Station area

Study segments

Level 1 alternatives

West Seattle/Duwamish

- ST3 Representative Project
- Pigeon Ridge/West Seattle Tunnel
- West Seattle Bridge/Fauntleroy
- Yancy Street/West Seattle Tunnel
- Oregon Street/Alaska Junction
- West Seattle Golf Course/Alaska Junction

SODO and Chinatown/ID

- ST3 Representative Project
- Massachusetts Tunnel Portal
- Surface E-3

Downtown Seattle

- ST3 Representative Project
- 5th/Mercer
- 5th/Harrison
- 6th/Boren/Roy
- 8th/6th/Republican
- 5th/Roy/Consolidated SLU Station

Interbay/Ballard

- ST3 Representative Project
- Elliott/15th/16th/Fixed Bridge
- West of BNSF/20th/17th/Fixed Bridge
- West of BNSF/20th/17th/Tunnel
- East of BNSF/14th/Movable Bridge
- Elliott/Armory Way/14th/Tunnel
- West of BNSF/20th/Tunnel

Summary of Level 1 screening

West Seattle/Duwamish

- ST3 Representative Project
- Pigeon Ridge/West Seattle Tunnel
- ~~West Seattle Bridge/Fauntleroy~~
- ~~Yancy Street/West Seattle Tunnel~~
- Oregon Street/Alaska Junction
- West Seattle Golf Course/Alaska Junction

SODO and Chinatown/ID

- ST3 Representative Project
- Massachusetts Tunnel Portal
- Surface E-3

Downtown Seattle

- ST3 Representative Project
- 5th/Mercer
- 5th/Harrison
- 6th/Boren/Roy
- ~~8th/6th/Republican~~
- ~~5th/Roy/Consolidated SLU Station~~

Interbay/Ballard

- ST3 Representative Project
- Elliott/15th/16th/Fixed Bridge
- West of BNSF/20th/17th/Fixed Bridge
- West of BNSF/20th/17th/Tunnel
- East of BNSF/14th Movable Bridge
- Elliott/Armory Way/14th/Tunnel
- ~~West of BNSF/20th/Tunnel~~

Level 2 alternatives

West Seattle/Duwamish

- ST3 Representative Project
- Pigeon Ridge/West Seattle Tunnel
- Oregon Street/Alaska Junction Elevated
- Golf Course/Alaska Junction Tunnel
- Oregon Street/Alaska Junction Tunnel

SODO and Chinatown/ID

- ST3 Representative Project
- Massachusetts Tunnel Portal
- Surface E-3
- Occidental Avenue
- 4th Avenue Cut-and-Cover Tunnel/Station
- 4th Avenue Bored Tunnel/Mined Station
- 5th Avenue Bored Tunnel/Mined Station

Downtown

- ST3 Representative Project
- 5th/Harrison
- 6th/Boren/Roy
- 5th/Terry/Roy/Mercer

Interbay/Ballard

- ST3 Representative Project
- 15th/Fixed Bridge/15th
- 20th/Fixed Bridge/17th
- 20th/Tunnel/15th
- Armory Way/Tunnel/14th
- Central Interbay/Movable Bridge/14th
- Central Interbay/Fixed Bridge/14th
- Central Interbay/Tunnel/15th

Summary of Level 2 screening

West Seattle/Duwamish

- ST3 Representative Project
 - ~~Pigeon Ridge/West Seattle Tunnel~~
 - ~~Oregon Street/Alaska Junction/Elevated~~
- Golf Course/Alaska Junction Tunnel (w/ refinements)
 - ~~Oregon Street/Alaska Junction/Tunnel~~
- ST3 Representative Project (w/ refinements)

SODO and Chinatown/ID

- ST3 Representative Project
- Massachusetts Tunnel Portal
- Surface E-3
 - ~~Occidental Avenue~~
- 4th Avenue Cut-and-Cover Tunnel/Station
- 4th Avenue Bored Tunnel/Mined Station
- 5th Avenue Bored Tunnel/Mined Station

Downtown

- ST3 Representative Project
- 5th/Harrison (w/ refinements)
 - ~~6th/Boren/Roy~~
- 5th/Terry/Roy/Mercer (w/ refinements)

Interbay/Ballard

- ST3 Representative Project
 - ~~15th/Fixed Bridge/15th~~
 - ~~20th/Fixed Bridge/17th~~
 - ~~20th/Tunnel/15th~~
- Armory Way/Tunnel/14th (w/ refinements)
 - ~~Central Interbay/Movable Bridge/14th~~
- Central Interbay/Fixed Bridge/14th
 - ~~Central Interbay/Tunnel/15th~~

A photograph of a light rail train at a station platform. The train is white and blue, with "CANTON SEATTLE" visible on its front. People are waiting on the platform, some looking at their phones. The scene is overlaid with a semi-transparent blue filter. The text "Level 3 end-to-end alternatives" is written in white, bold, italicized font across the center of the image.

***Level 3 end-to-end
alternatives***

Summary of Level 3 alternatives

› **ST3 Representative Project**

› **West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel**

- Junction station options: 41st Ave, 42nd Ave and 44th Ave
- C-ID station options: 4th Ave Cut-and-Cover and 4th Ave Mined
- Ballard station options: 14th Ave and 15th Ave

› **West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated**

- C-ID station options: 5th Ave Cut-and-Cover and 5th Ave Mined

Summary of Level 3 alternatives

ST3 Representative Project

› West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel

- Junction station options: 41st Ave, 42nd Ave and 44th Ave
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ST3 Representative Project

Summary of Level 3 alternatives

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- C-ID station options: 5th Ave Cut-and-Cover and 5th Ave Mined

West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel

West Seattle/Duwamish

- ST3 Representative Project
- Golf Course/Alaska Junction Tunnel (w/refinements)
- ST3 Representative Project (w/ refinements)

SODO and Chinatown/ID

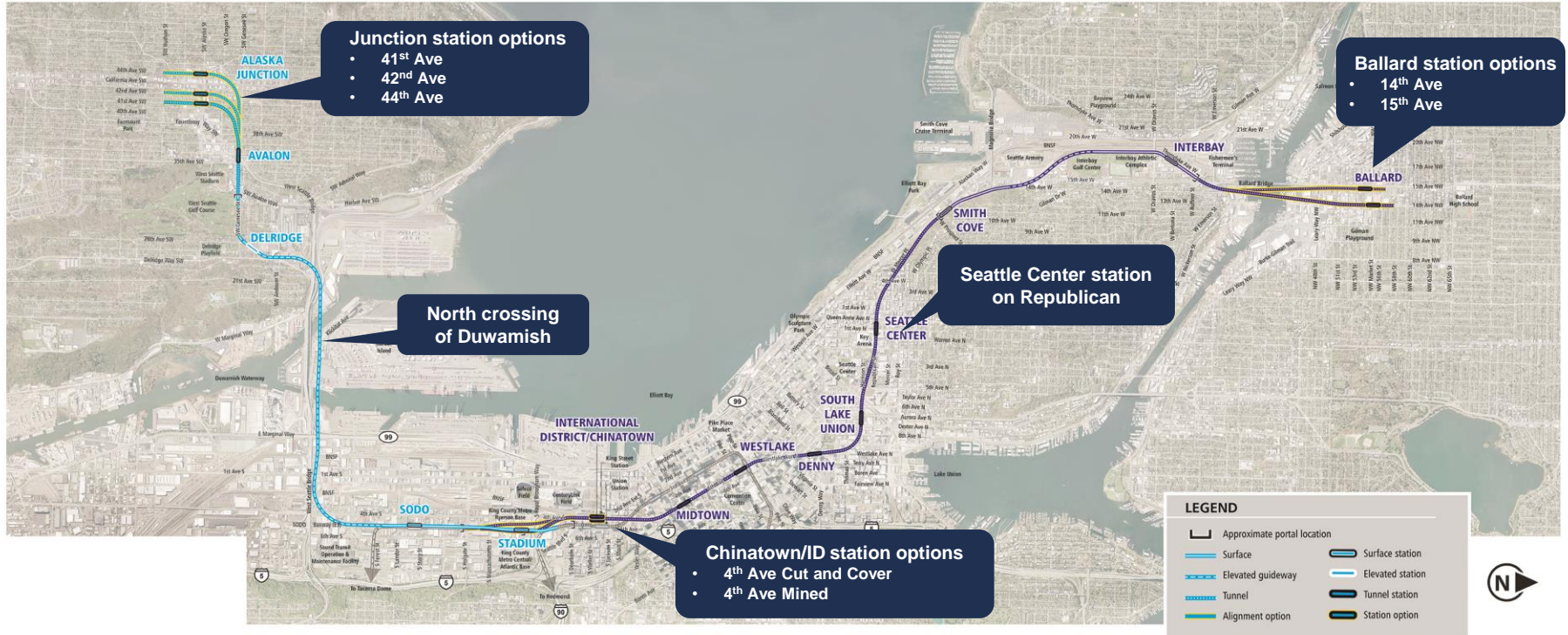
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- 4th Avenue Cut-and-Cover Tunnel/Station
- 4th Avenue Bored Tunnel/ Mined Station
- 5th Avenue Bored Tunnel/ Mined Station

Downtown

- ST3 Representative Project
- 5th/Harrison (w/refinements)
- 5th/Terry/Roy/Mercer (w/refinements)

Interbay/Ballard

- ST3 Representative Project
- Armory Way/Tunnel/14th (w/refinements)
- Central Interbay/Fixed Bridge/14th



West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel



**West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/
Ballard Tunnel *Alaska Junction* station options**



**West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/
Ballard Tunnel North crossing of Duwamish**



*West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/
Ballard Tunnel **Seattle Center Station on Republican***



West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel **Ballard station options**

Summary of Level 3 alternatives

› ST3 Representative Project

› West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel

- Junction station options: 41st Ave, 42nd Ave and 44th Ave
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- Ballard station options: 14th Ave and 15th Ave

▶ West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated

- C-ID station options: 5th Ave Cut-and-Cover and 5th Ave Mined

West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated

West Seattle/Duwamish

- ST3 Representative Project
- Golf Course/Alaska Junction Tunnel (w/ refinements)
- ST3 Representative Project (w/ refinements)

SODO and Chinatown/ID

- ST3 Representative Project
- Massachusetts Tunnel Portal
- Surface E-3
- 4th Avenue Cut-and-Cover Tunnel/Station
- 4th Avenue Bored Tunnel/ Mined Station
- 5th Avenue Bored Tunnel/ Mined Station

Downtown

- ST3 Representative Project
- 5th/Harrison (w/ refinements)
- 5th/Terry/Roy/Mercer (w/refinements)

Interbay/Ballard

- ST3 Representative Project
- Armory Way/Tunnel/14th (w/ refinements)
- Central Interbay/Fixed Bridge/14th



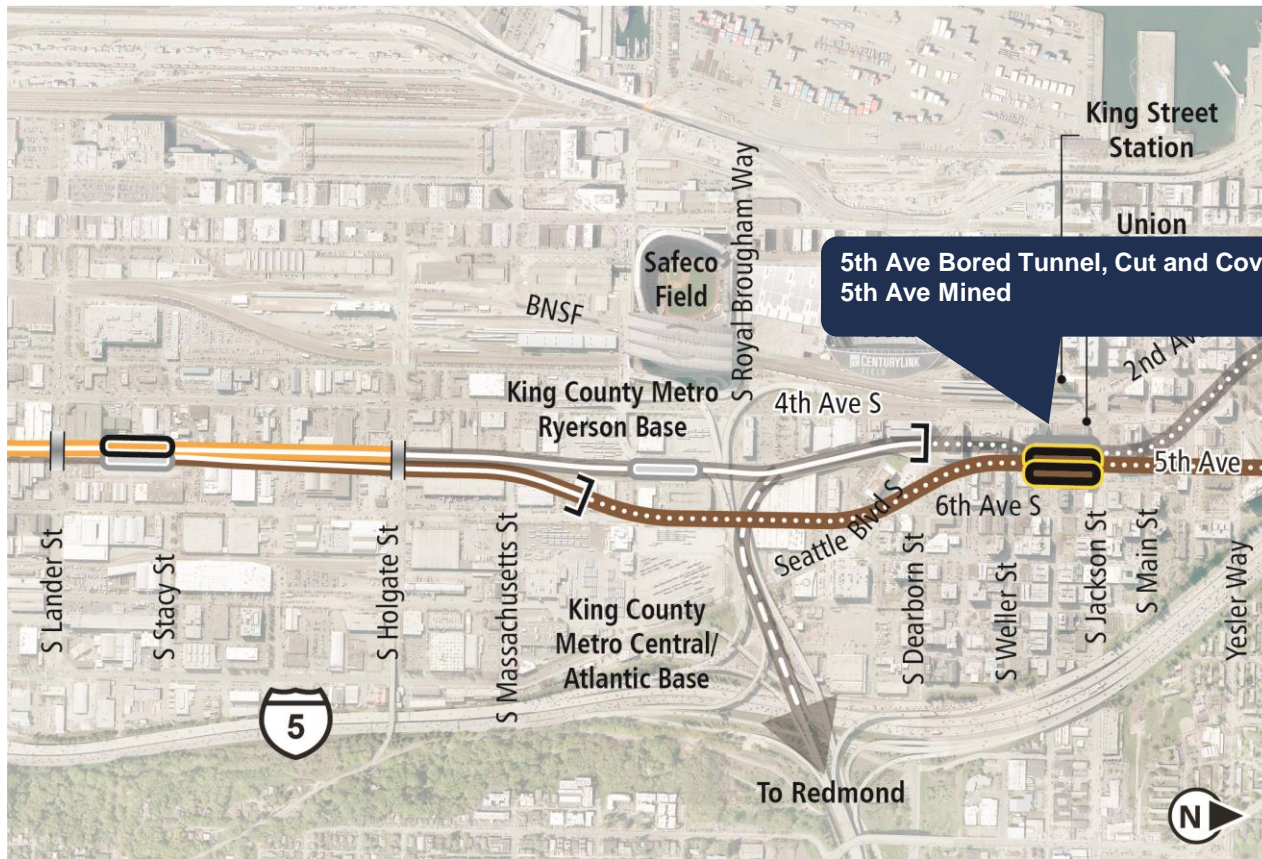
West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated



**West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/
Ballard Elevated *Alaska Junction Station orientation***



**West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/
Ballard Elevated *Delridge Station further south***



West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated C-ID Station Options



**West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/
Ballard Elevated 6th Avenue route through downtown**

Summary of Level 3 alternatives

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› **West Seattle Tunnel/ C-ID 4th Ave/ Downtown 5th Ave/ Ballard Tunnel**

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- C-ID station options: 4th Ave Cut-and-Cover and 4th Ave Mined
- Ballard station options: 14th Ave and 15th Ave

› **West Seattle Elevated/ C-ID 5th Ave/ Downtown 6th Ave/ Ballard Elevated**

- C-ID station options: 5th Ave Cut-and-Cover and 5th Ave Mined

A light rail train is stopped at a station platform. The train is white with blue and green wavy patterns on the side. A man in a dark shirt and grey pants is standing in the open door of the train. Several people are walking on the platform. In the background, there are buildings, trees, and a blue sign with a white train icon. The text "Next steps" is overlaid in the center of the image.

Next steps

Next steps

Seattle Sustainability & Transportation Committee	Dec 4	Level 3 alternatives and engagement update
SAG Meeting #11	Jan 9	Community engagement update Technical briefing (T.B.D.)
SAG Meeting #12	Jan 30	Level 3 evaluation results
ELG Meeting #6	Feb 1	Level 3 evaluation results
EIS Scoping Neighborhood Forums/ Open Houses	Mid-Feb	Level 3 community engagement
SAG Meeting #13	Mid/late-March	Level 3 recommendations
ELG Meeting #7	Late-March/early April	Level 3 recommendations
Sound Transit Board	April 25	Identify a preferred alternative (and other alternatives to study in the EIS)



soundtransit.org/wsblink 

