

West Seattle and Ballard Link Extensions

Seattle Planning Commission | June 14, 2018



- > Alternatives development process
- Community engagement and collaboration
- > Station Planning activities
- > Level 1 recommendations
- > Next steps

Alternatives development process

West Seattle project timeline



Ballard project timeline



VOTER APPROVAL



PLANNING

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

LEVEL 1

Alternatives development

Early-2018

Conduct early scoping

Study ST3 representative project and alternatives

Screen alternatives

LEVEL 2

Alternatives development

Mid-2018

Technical analysis

Refine and screen alternatives

PUBLIC INVOLVEMENT

Alternatives development

LEVEL 3

Late-2018 / Early-2019

Refine and screen alternatives

Conduct Environmental Impact Statement (EIS) scoping

PUBLIC INVOLVEMENT

Early-2019

PREFERRED ALTERNATIVE*

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

Screening process

Broad range of initial alternatives

Refine remaining alternatives

Further evaluation

Preferred Alternative and other EIS alternatives

Alternatives development process

Early-2018

Study ST3 representative project and alternatives

LEVEL 2

Alternatives development

PUBLIC INVOLVEMENT

Mid-2018

Technical analysis

Refine and screen alternatives

Alternatives development

LEVEL 3

Late-2018 / Early-2019

Refine and screen alternatives

Conduct Environmental **Impact Statement** (EIS) scoping

PUBLIC INVOLVEMENT

Early-2019

PREFERRED **ALTERNATIVE***

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

Community engagement and collaboration

Community engagement and collaboration



SAG & ELG

Advisory groups for project

- ✓ 4/17 and 4/24: Stakeholder Advisory Group meetings
- ✓ 5/17: Elected Leadership Group meeting
- ✓ 5/30 Stakeholder Advisory Group meeting





Neighborhood forums

Focused on neighborhood issues and opportunities

- ✓ 4/21: Chinatown / International District
- ✓ 4/23: Denny / SLU / Seattle Center
- ✓ 5/2: Midtown / Westlake
- ✓ 5/5: Delridge / Avalon / Alaska Junction
- ✓ 5/9: SODO / Stadium
- ✓ 5/12: Ballard / Interbay / Smith Cove

March-May briefings snapshot

- Ballard Alliance (4/5, 4/25)
- Ballard District Council (3/14)
- BNSF (3/23)
- Chinatown-International District BIA (4/12)
- Downtown Transportation Alliance (5/14)
- The Coalition for Magnolia, Queen Anne and Interbay (3/5)
- Fauntleroy Business Association (5/24)
- First Hill Improvement Association (5/8)
- Friends of Little Saigon (5/9)
- InterIm CDA (5/2, 5/23)
- International Community Health Services (ICHS) (5/8)
- International Examiner (3/14)
- Junction Neighborhood Association (4/2, 4/26)
- Magnolia Bridge Community Conversation (5/21)
- Magnolia Community Council (5/15)
- Mercer Corridor Stakeholders (5/10)

- Nucor (3/7)
- NSIA (3/27)
- Seattle Center Resident Directors (5/9)
- Seattle Design Commission (3/1, 4/19)
- Seattle Planning Commission (3/8, 4/26)
- Seattle Women's Commission (3/6)
- Southwest District Council (4/4)
- South Lake Union Transportation Committee (4/25)
- Uptown Alliance (5/8)
- West Seattle Transportation Coalition (4/26)



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)
- Dia de Muertos (10/27-10/28)
- Magnolia Farmers Market (TBD)



WHO IS SOUND TRANSIT

FUTURE SERVICE

sound transit System Expansion

- and here Seattle reconcerned to be developed by them Element to be
- Establish Bue Reput Transit (IRE) to the spirit, want or substituted taken Wetchington
- Experies Sources pound time consciptioned services adding taxo new stateous

Service an interior

Station planning activities



Tunding

he system plan is pool for with a constitution of waterpproval local tases, federal grants, foreher resenues, borrow andy and interest revenues. By 2026, system speculing costs all he paid for with heard tases, foreher revenues, kinerest enlings, phase sources and federal operating assistance.

SOUNDTRANSIT

Station Planning Scope

- 1. Support alternatives development process
- 2. Advance design concepts to assist evaluation of station locations
- 3. Identify opportunities and challenges for further study in EIS phase

Station Planning Work Program

- 1. Agency workshops (Level 1)
- 2. Station charrettes (Level 2)
- 3. Analysis and refinement (Level 3)



Agency Workshops

- Collaborative design sessions
- Focus on Level 1 stations and identification of opportunities/ challenges to explore further in Level 2 station charrettes
- Attendance from City of Seattle, King County Metro, Port of Seattle



20th Ave NW location problematic from transit integration, construction impact perspective

Optimum station location between 15th and 17th Ave NW for serving existing, planned, future density, as well as providing most direct transfers from bus to rail

15th Ave NW is a major freight and transit corridor; concern about construction and permanent impacts

15th Ave NW also acts as a pedestrian barrier; safe crossings and signal spacing critical

Move 14th Ave NW station north outside of MIC to straddle Market St

Ballard Terminus

Agency workshop key themes and preferences



KEY

Bus corridor (KCM) Non-motorized facility Major barrier



West Seattle Bridge and Yancy locations far from Delridge community; poor walksheds

Move Delridge Station farther south toward community center sets up good transfers for buses from south; think about equitable TOD opportunities here, but avoid direct park and community center impacts

Keep Avalon Station; explore shifting west to straddle Fauntleroy

Optimum Junction station location between California and Fauntleroy to serve business district and redeveloping Triangle neighborhood

West Seattle Stations

Agency workshop key themes and preferences



KEY

Bus corridor (KCM) Non-motorized facility Maior barrier



Optimum Seattle Center location at Republican and 1st Ave N; provides direct access to Key Arena and easy transfers to high-volume bus corridor

Optimum SLU station location at Harrison; Roy is a distant second (more technically challenging for new SR 99 lane geometries)

Denny Station location flexible based on optimizing SLU location; Terry Ave location could help to negotiate grade on Denny

Uptown Stations

Agency workshop key themes and preferences



Bus corridor (KCM) Non-motorized facility

Major barrier





Non-Motorized Access Workshop

- Improve non-motorized access in underserved areas (SODO, Delridge)
- Develop strategies for stations intercepting major bicycle corridors/desire lines (Alaska Junction, SLU, Interbay/Ballard)
- $\checkmark\,$ Design for all ages and abilities
- ✓ Strategically invest the WSBLE Access Allowance (\$80 million)



Station Charrettes

Collaborative design sessions with agencies, key community stakeholders

- ✓ 6/28: Ballard / Interbay
- ✓ 7/12: Denny / SLU / Seattle Center
- ✓ 7/19: Delridge
- ✓ 7/24: Alaska Junction / Avalon
- ✓ 7/31: Chinatown International District
- ✓ 8/2: SODO / Stadium
- September: Smith Cove and Midtown / Westlake

Station Planning Work Program



Level 1 recommendations



ST3 Representative Project

Level 1 alternatives

• West Seattle/Duwamish	SODO and C/ID	• Downtown Seattle	• Interbay/Ballard
 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 	 ST3 Representative Project Massachusetts Tunnel Portal Surface E-3 	 ST3 Representative Project 5th/Mercer 5th/Harrison 6th/Boren/Roy 8th/6th/Republican 5th/Roy/Consolidated SLU Station 	 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 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



Neighborhood forums feedback West Seattle/Duwamish

ELG Recommendations West Seattle/Duwamish

	Alternative	Carry forward?	Do not carry forward?	Notes/Comments
Alternatives with more potential	ST3 Representative Project			
	Oregon Street/Alaska Junction	\checkmark		Explore elevated and tunnel options; explore crossing on south side of West Seattle bridge
	West Seattle Bridge/Fauntleroy		\checkmark	
	Pigeon Ridge/West Seattle Tunnel	✓		
Alternatives with greater challenges	Yancy Street/West Seattle Tunnel		\checkmark	
	West Seattle Golf Course/Alaska Junction (Tunnel)	\checkmark		Explore refined version that avoids 4(f) impacts
Not practical suggestions	Tunnel under Duwamish		\checkmark	
	West Seattle Bridge		\checkmark	
	Gondola, rail/bus bridge		✓	
	Extensions to Alki, Admiral, etc.		\checkmark	



Level 1 alternatives West Seattle/Duwamish



Baseline alternative – ST3 Representative Project



Level 1 recommendations - Pigeon Ridge/West Seattle Tunnel



Level 1 recommendations - Oregon Street/Alaska Junction Elevated



Level 1 recommendations - Oregon Street/Alaska Junction Tunnel


West Seattle/Duwamish

Level 1 recommendations - West Seattle Golf Course/Alaska Junction

Additional feedback West Seattle/Duwamish

- Explore opportunities for Delridge station to better serve the community
- Explore shifting Avalon Station west to straddle Fauntleroy for better station access



West Seattle/Duwamish

Mix-n-Match Example

Level 1 alternatives SODO and Chinatown/ID

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



Neighborhood forums feedback sodo & Chinatown/ID

ELG Recommendations sodo & Chinatown/ID

	Alternative	Carry forward?	Do not carry forward?	Notes/Comments
Alternatives with more potential	ST3 Representative Project			
	Surface E-3	\checkmark		
	Massachusetts Tunnel Portal	V		
Not practical suggestions	Maintain buses on E-3		✓	
	First Ave alignment	✓		Explore alignments further west of ST3 Representative Project
	Design for potential extension south to Georgetown		✓	
New suggestion	Alternative station location	√		Consider 4 th Ave location for Chinatown/ID station



Level 1 alternatives sodo & Chinatown/ID











Station location alternative (straddle S Jackson St) Note: applicable to both cut and cover and bored tunnel alternatives



Bored tunnel alternative Reduces in-street cut-and-cover construction from 1,600' to 400'

Station alternatives Chinatown/ID



SODO & Chinatown/ID

Baseline alternative – ST3 Representative Project



SODO & Chinatown/ID

Level 1 recommendations – *Massachusetts Tunnel Portal*



SODO & Chinatown/ID

Level 1 recommendations – Surface E-3

Additional feedback SODO and Chinatown/ID

- Consider 4th Avenue location for Chinatown/ID station
- Explore alignments further west of ST3 Representative Project

Level 1 alternatives

Downtown Seattle

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



Neighborhood forums feedback Downtown Seattle

ELG Recommendations Downtown Seattle

	Alternative	Carry forward?	Do not carry forward?	Notes/Comments
Alternatives with more potential	ST3 Representative Project			
	5th/Harrison	\checkmark		
	6 th /Boren/Roy	\checkmark		
Alternatives with greater challenges	5 th /Mercer		\checkmark	Explore availability of city-owned properties
	5 th /Roy/Consolidated SLU Station		\checkmark	
	8 th /6 th /Republican (First Hill)		~	Address ridership needs for First Hill neighborhood (Madison BRT)
Not practical suggestions	Use Downtown Seattle Transit Tunnel (DSTT)		✓	
	Design for potential extensions to north and/or east		√	



Level 1 alternatives Downtown Seattle



Downtown

Baseline alternative – **ST3 Representative Project**



Downtown

Level 1 recommendations – 5th/Harrison



Downtown

Level 1 recommendations – 6th/Boren/Roy

Additional feedback

- Explore transit integration opportunities for the SLU station at the Harrison and Roy sites
- > Explore Terry Ave as potential site for Denny station
- Consider "hybrid" route combinations between SLU and Seattle Center stations

Level 1 alternatives

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



Neighborhood forums feedback Interbay/Ballard

ELG Recommendations Interbay/Ballard

	Alternative	Carry forward?	Do not carry forward?	Notes/Comments
Alternatives with more potential	ST3 Representative Project			
	Elliott/15 th /16 th /Fixed Bridge	\checkmark		
	West of BNSF/20 th /17 th /Fixed Bridge	\checkmark		
	East of BNSF/14 th /Movable Bridge	\checkmark		
	West of BNSF/20 th /17 th Tunnel	\checkmark		
	Elliott/Armory Way/14th/Tunnel	\checkmark		
Alternatives with greater challenges	West of BNSF/20 th /Tunnel		\checkmark	
Not practical suggestions	Tunnel through Queen Anne/Interbay		\checkmark	
	Extensions to 65 th , 85 th , Northgate		\checkmark	
	Multi-modal Salmon Bay bridge		\checkmark	
	Eliminate or add stations		\checkmark	



Level 1 alternatives Interbay/Ballard



Baseline alternative – ST3 Representative Project



Level 1 recommendations – *Elliott/15th/16th/Fixed Bridge*



Level 1 recommendations - West of BNSF/20th/17th/Fixed Bridge



Level 1 recommendations – West of BNSF/20th/17th/Tunnel



Level 1 recommendations - Elliott/Armory Way/14th/Tunnel



Level 1 recommendations - East of BNSF/14th/Movable Bridge



Level 1 recommendations - East of BNSF/15th/Tunnel

Additional feedback

- Explore reducing impacts to Elliott and 15th Ave in Smith Cove area
- Explore opportunities for Interbay Station to facilitate multimodal access
- Explore opportunities for Smith Cove Station to facilitate multimodal access between current and potential future land uses

Next steps

Community engagement and collaboration



soundtransit.org/wsblink >>

