West Seattle and Ballard Link Extensions

West Seattle/ Duwamish Community Advisory Group 3/8/2022





Agenda

- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Duwamish/West Seattle
- City of Seattle: Draft EIS Review
- Next steps and next meeting

Why we're here today

- Learn more about the results in the Draft EIS, informed by CAG members questions and discussion in February
- Engage on the City of Seattle's review of the Draft EIS, including potential key trade-offs and to inform their eventual comments on the Draft EIS

Agenda

- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Interbay/Ballard
- City of Seattle: Draft EIS Review
- Next steps and next meeting

Meeting etiquette and accessibility



Upon joining the meeting, please mute your line when you are not speaking to minimize audio feedback. Unmute before talking.



Please raise your "hand" if you have a question or comment. Facilitator will call on you to speak.



One person speaks at a time. Please reference a slide number if referencing something on the screen and/or indicate who question or comment is directed to as appropriate.

























₩ View



Mute/Unmute









***•** 1







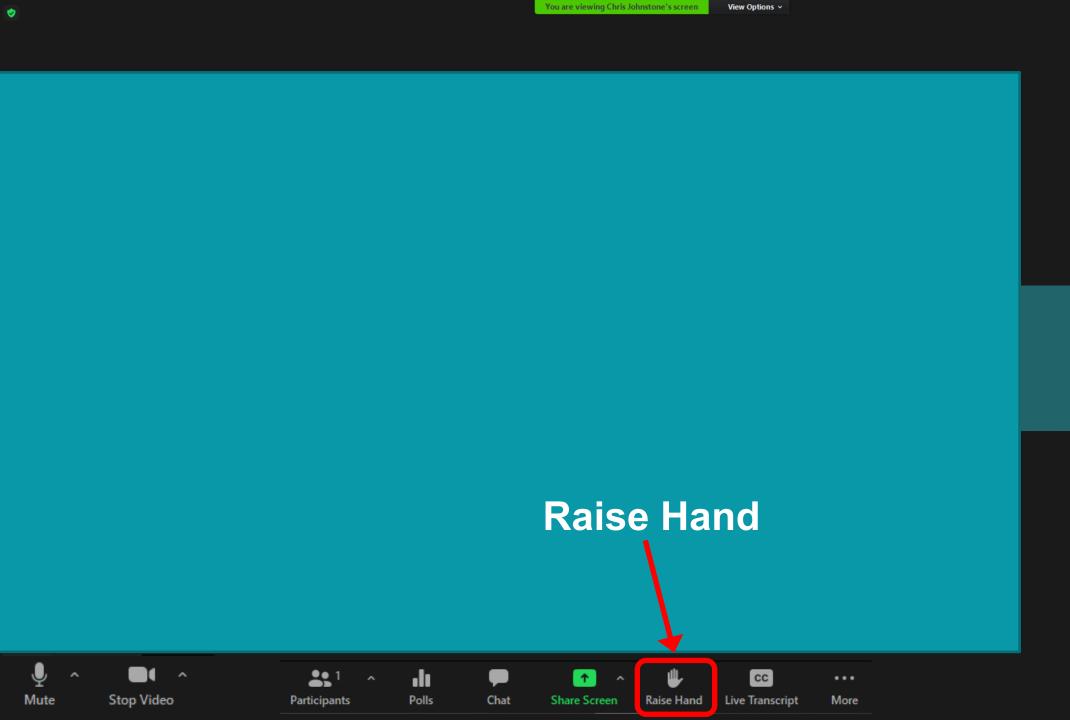














₩ View



₩ View

SPEAKER



























Leave

Introductions

Please share briefly:

- 1) Your name and pronouns
- 2) Days are getting longer how do you plan to use the extra daylight?

Agenda

- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Duwamish/West Seattle
- City of Seattle: Draft EIS Review
- Next steps, next meeting and online open house



2016



PLANNING



2017-2019

Alternatives development

- Feb-March 2018: Early scoping
- Feb-April 2019: Scoping
- May-Oct 2019: Board identified preferred alternatives and other DEIS alternatives

2019-2023

Environmental review

Early 2022: Publish Draft EIS

Public comment period

Board confirms or modifies preferred alternatives

2023: Publish Final EIS

Board selects projects to be built

Federal Record of Decision

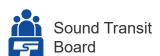


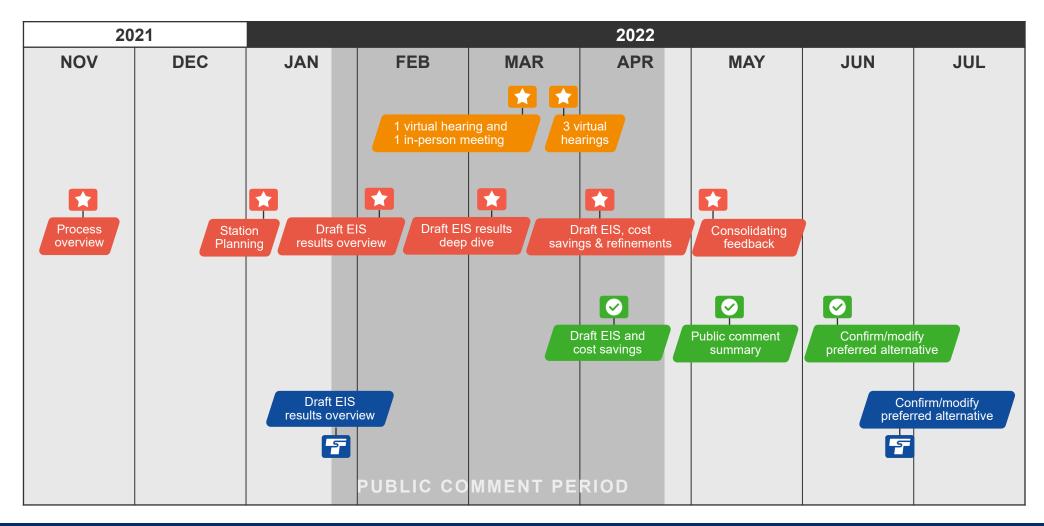
Community engagement and collaboration Draft Environmental Impact Statement (EIS)













External Engagement Snapshot (1/28-2/28)



mailer

Sent to more than

130,000 addresses



online

engaging more than

open house 5,246 online visitors



community briefings



property owner webinars and meetings



Community Advisory Group meetings



Ads featured on 15 unique radio, digital and print publications



12 posts with 100K+ impressions



office hour sessions



email updates engaging more than

70,905 subscribers

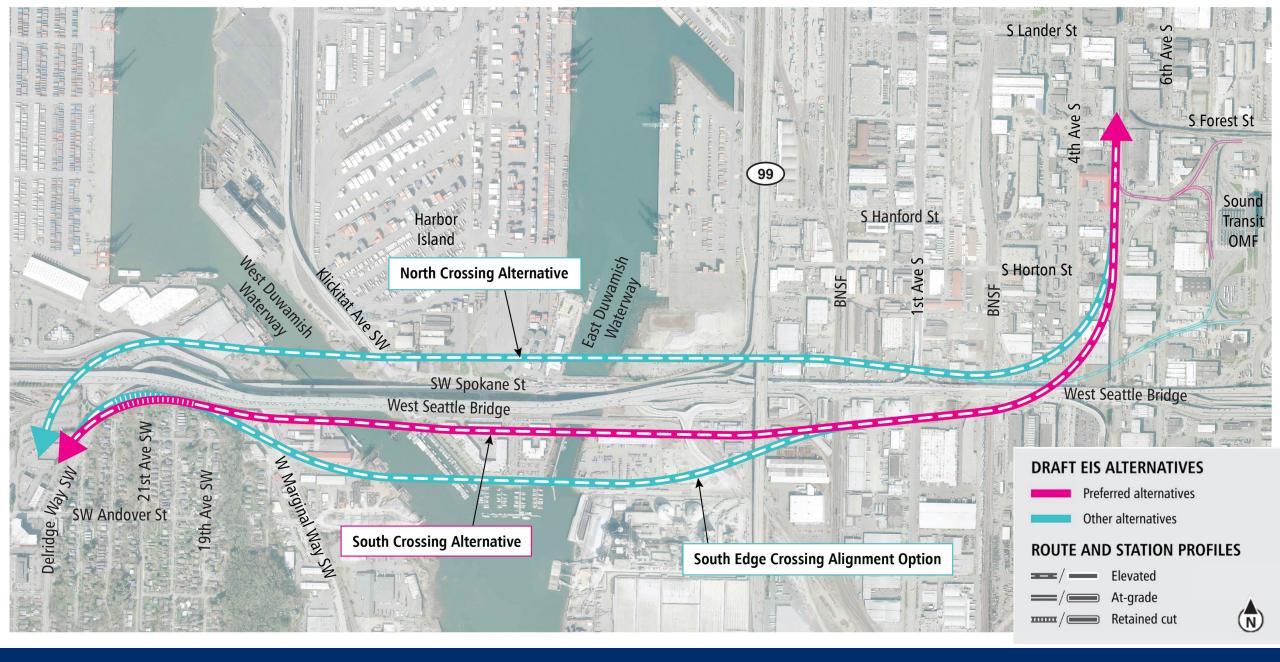


800 posters

delivered along the corridor

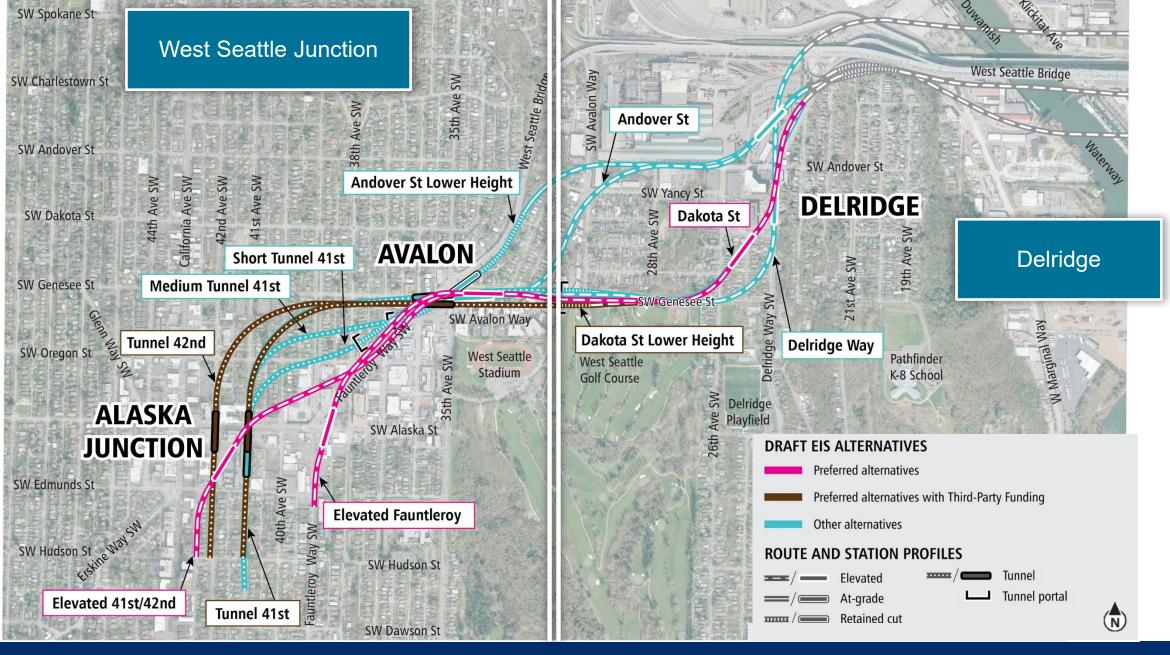


engaging more than 100 businesses



	South Crossing Alternative	South Edge Crossing Alignment Option	North Crossing Alternative
Project cost (2019\$ in billions)	\$1.2B	\$1.3B	\$1.5B
Residential displacements	26 units	26 units	none
Business displacements	36	29	38
Maritime Business displacements	3	5	10
Park effects (permanent)	1.5 acres	1.9 acres	none
Other considerations (4)	Pigeon Point constructability BNSF bridge constructability	Pigeon Point constructability In-water columns necessary Marinas	Port of Seattle T-5 & T-18 T-25 restoration site Fire Station 14 effects
	The above information is for illustration only. Please refe	r to DEIS for further detail.	Performance Lower performing ←→ Higher performing





	Elevated Fauntleroy Dakota St	Elevated 41st /42nd Dakota St	Tunnel 41st Dakota St Lower Height	Tunnel 42nd Dakota St Lower Height	Short Tunnel 41st Dakota St	Medium Tunnel 41st Andover St Lower Height	Elevated Fauntleroy Andover St
Project cost (2019\$ in billions)	\$1.6B	\$2.0B	\$2.1B	\$2.2B	\$1.9B	\$1.6B	\$1.5B
Residential displacements	607 units	551 units	364 units	321 units	410 units	201 units	487 units
Business displacements	32	77	31	60	34	35	34
Park effects (permanent)	0.6 acres	0.6 acres	1.4 acres	1.6 acres	0.5 acres	none	none
	Taller guideway/ Delridge Station	Taller guideway/ Delridge Station	Lower guideway/ Delridge Station	Lower guideway/ Delridge Station	Taller guideway/ Delridge Station	Lower guideway/ Avalon Station	Taller guideway/ Delridge Station
Other ^① considerations	Social service provider	Social service provider	Tunnel Avalon and Alaska Jnct. stations	Tunnel Avalon and Alaska Jnct. stations	Tunnel Alaska Jnct. station	Guideway follows West Seattle Bridge	Guideway follows Avalon Way SW
			Social service provider	Social service provider	Social service provider	Delridge Station further north	Delridge Station further north
						Tunnel Alaska Jnct. Station	
	The above information is f	or illustration only. Please refe	er to DEIS for further detail.			Performance	



Lower performing \longleftrightarrow Higher performing

Agenda

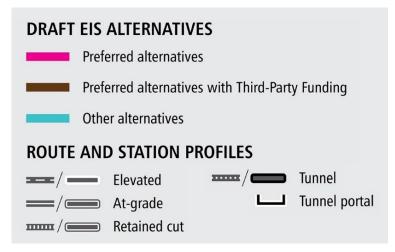
- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Duwamish/West Seattle
- City of Seattle: Draft EIS Review
- Next steps and next meeting

Deep dive topics

- Delridge Way Station Alternatives
- Racial Equity Toolkit: Bus and rail integration; Equitable Transit Oriented Development (E-TOD); Potential Displacements
- Visual Effects

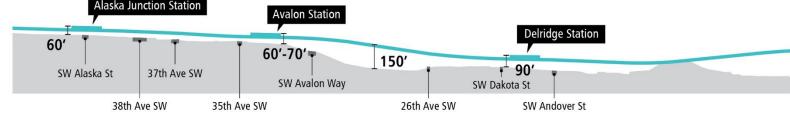
Delridge Way Station Alternatives

Elevated Fauntleroy Way Station Delridge Way Station



Diagrams are not to scale and all measurements are approximate for illustration purposes only. Connection to preferred alternative in Duwamish is shown for illustration purposes.







Elevated Fauntleroy Way Station

Delridge Way Station

Project cost (2019\$ in billions)



\$1.5B

Residential displacements



586 units

Business displacements



32

Park effects (permanent)



0.7 acres

Other considerations



Diagrams are not to scale and all measurements are approximate. The above information is for illustration only. Please refer to DEIS for further detail. Connection to preferred alternative in Delridge is shown for illustration purposes.

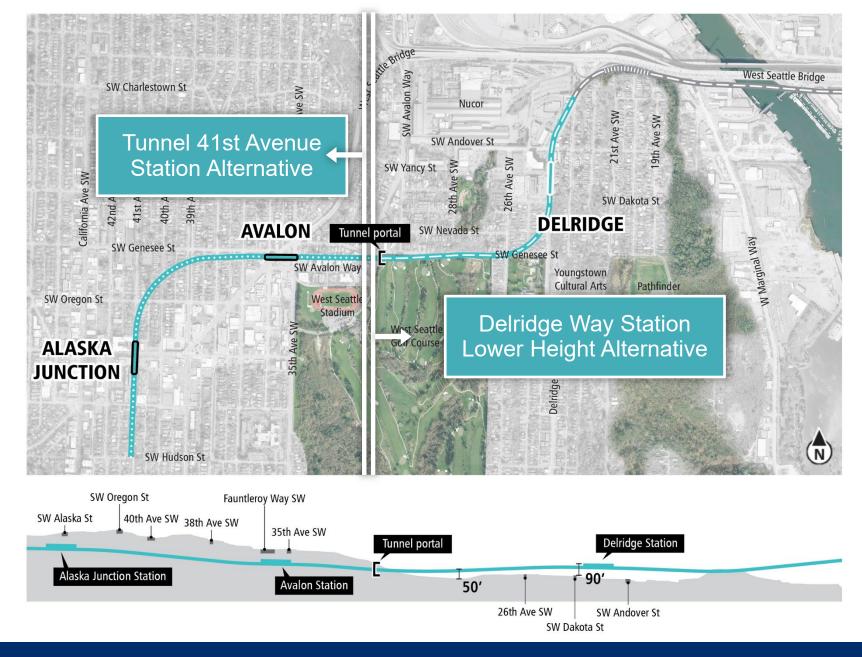




Tunnel 41st Ave Station Delridge Way Station Lower Height Alternative

DRAFT EIS ALTERNATIVES Preferred alternatives Preferred alternatives with Third-Party Funding Other alternatives **ROUTE AND STATION PROFILES** Tunnel Elevated **└** Tunnel portal At-grade Retained cut

Diagrams are not to scale and all measurements are approximate for illustration purposes only. Connection to preferred alternative in Duwamish is shown for illustration purposes.



Tunnel 41st Ave Station Delridge Way Station Lower Height Alternative

Project cost (2019\$ in billions)



\$2.1B

Residential displacements



341 units

Business displacements



Park effects (permanent)



1.3 acres

Other considerations



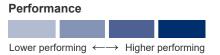
Diagrams are not to scale and all measurements are approximate. The above information is for illustration only. Please refer to DEIS for further detail. Connection to preferred alternative in Delridge is shown for illustration purposes.





	Elevated Fauntleroy Dakota St	Elevated 41st /42nd Dakota St	Tunnel 41st Dakota St Lower Height	Tunnel 42nd Dakota St Lower Height	Elevated Fauntleroy Delridge Way	Tunnel 41st Delridge Way Lower Height
Project cost (2019\$ in billions)	\$1.6B	\$2.0B	\$2.1B	\$2.2B	\$1.5B	\$2.1B
Residential displacements	607 units	551 units	364 units	321 units	586 units	341 units
Business displacements	32	77	31	60	32	31
Park effects (permanent)	0.6 acres	0.6 acres	1.4 acres	1.6 acres	0.7 acres	1.3 acres
Other ^① considerations	Taller guideway/ Delridge Station Social service provider	Taller guideway/ Delridge Station Social service provider	Lower guideway/ Delridge Station Tunnel Avalon and Alaska Jnct. stations Social service provider	Lower guideway/ Delridge Station Tunnel Avalon and Alaska Jnct. stations Social service provider	Taller guideway/ Delridge Station Social service provider Fire Station 36	Lower guideway/ Delridge Station Social Servicer Provider Fire Station 36

The above information is for illustration only. Please refer to DEIS for further detail.





Racial Equity Toolkit

Racial Equity Toolkit (RET): Outcomes

- Advance environmental and economic justice to improve economic and health outcomes for communities of color.
- Enhance mobility and access for communities of color and low-income populations;
- Create opportunities for equitable development that include expanding housing and community assets for communities of color;
- Avoid disproportionate impacts on communities of color and low-income populations;
- Create a sense of belonging for communities of color at all stations, making spaces where everyone sees themselves as belonging, feeling safe, and welcome; and
- Meaningfully involve communities of color and low-income populations in the project.



RET Report: Environmental Review Phase

- Released as a Draft, will be updated based on comments received on the Draft EIS
- Delridge Station RET Outcomes:
 - An excellent transfer experience including bus and rail integration and options for RET community-desired amenities provided at the station.
 - Equitable transit-oriented development serving the community.

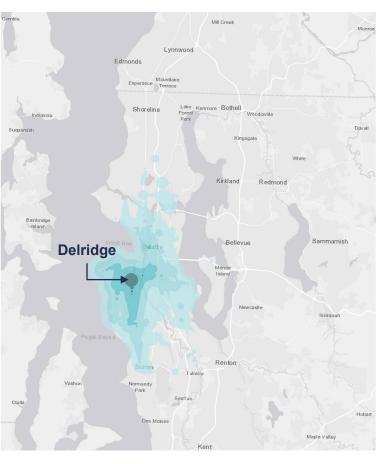




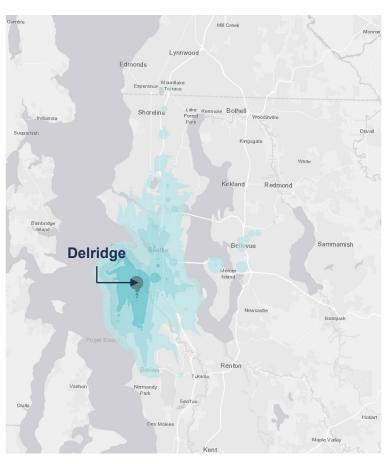
Bus and Rail Integration, E-TOD and Potential Displacements

Transit Travel Sheds - Delridge Station

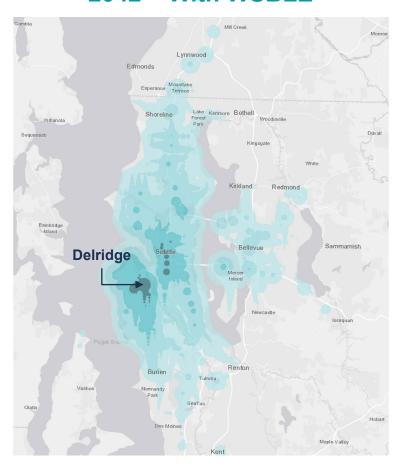
Existing



2042 - Without WSBLE



2042 – With WSBLE





33

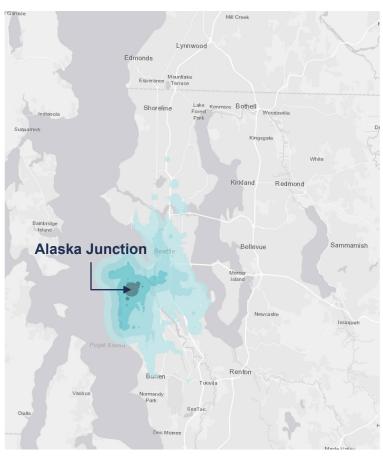






Transit Travel Sheds - Alaska Junction Station

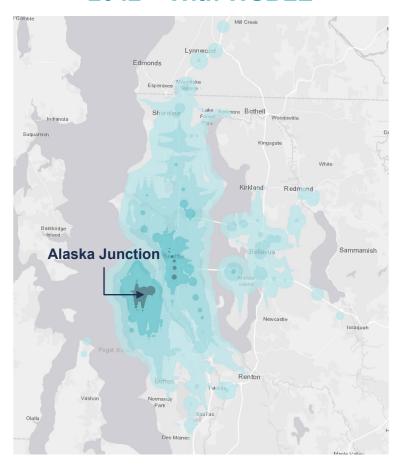
Existing

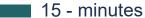


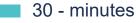
2042 - Without WSBLE



2042 - With WSBLE





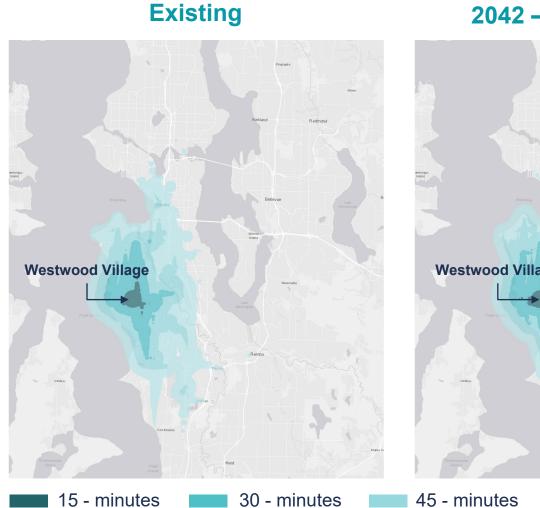


45 - minutes

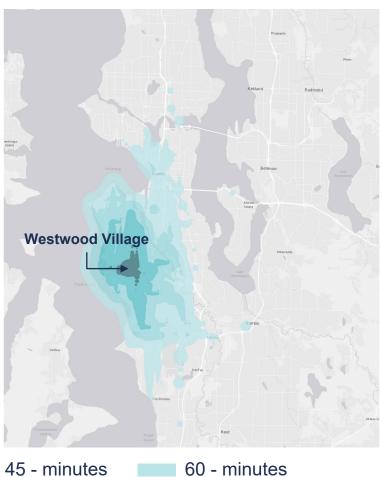


Transit Travel Sheds - Westwood Village





2042 - Without WSBLE



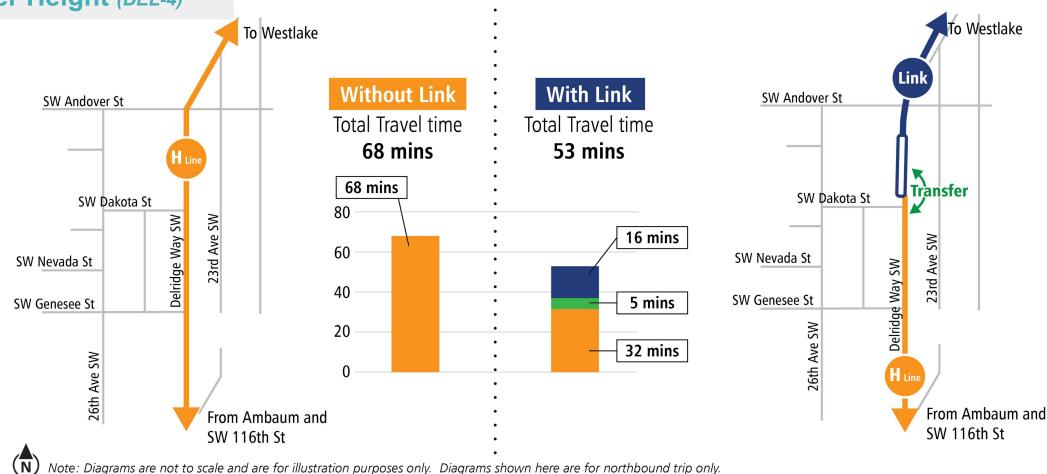
2042 - With WSBLE



Delridge Way Station Alternatives

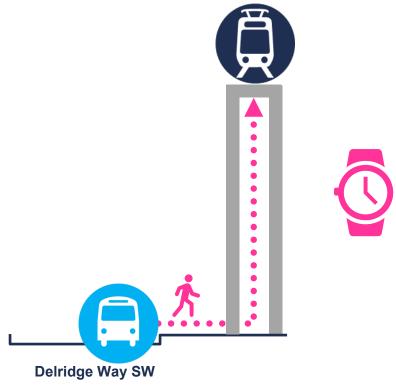
Elevated Delridge Way Station (DEL-3)

Elevated Delridge Way Station Lower Height (DEL-4)



Elevated Delridge Way Station (DEL-3)

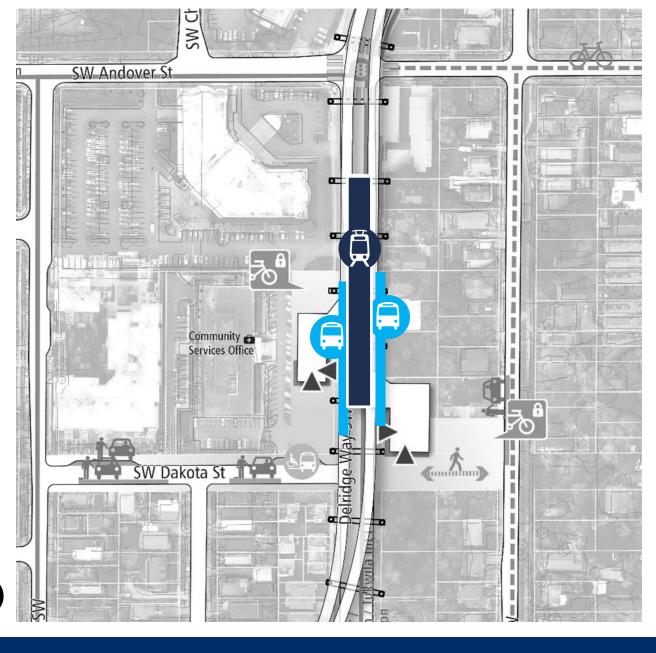
Elevated Delridge Way Station Lower Height (DEL-4)

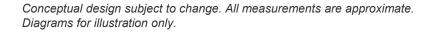












Elevated Delridge Way Station (DEL-3)

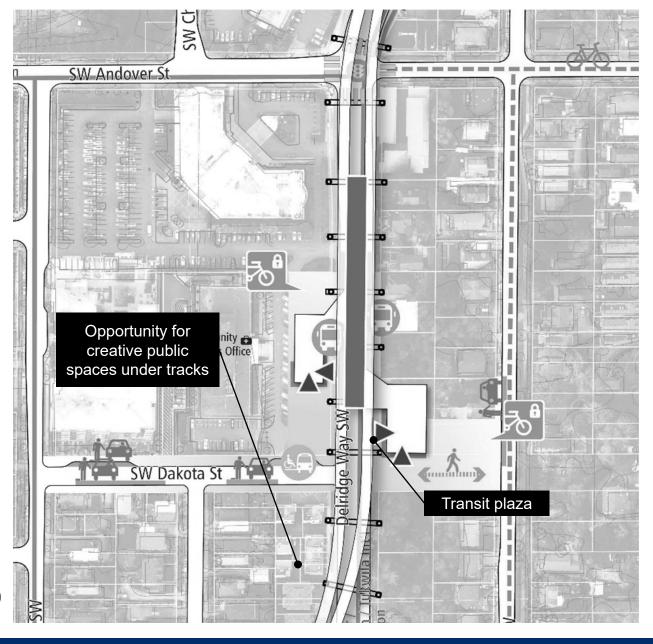
Elevated Delridge Way Station Lower Height (DEL-4)

Residential Displacements (residential units)	68
Business displacements	16
E-TOD Potential (residential units)	0
TOD Potential (office sqft)	0
TOD Potential (retail sqft)	0

^{*} Displacements and TOD potential within Delridge Station Area



Conceptual design subject to change. All measurements are approximate. Diagrams for illustration only.

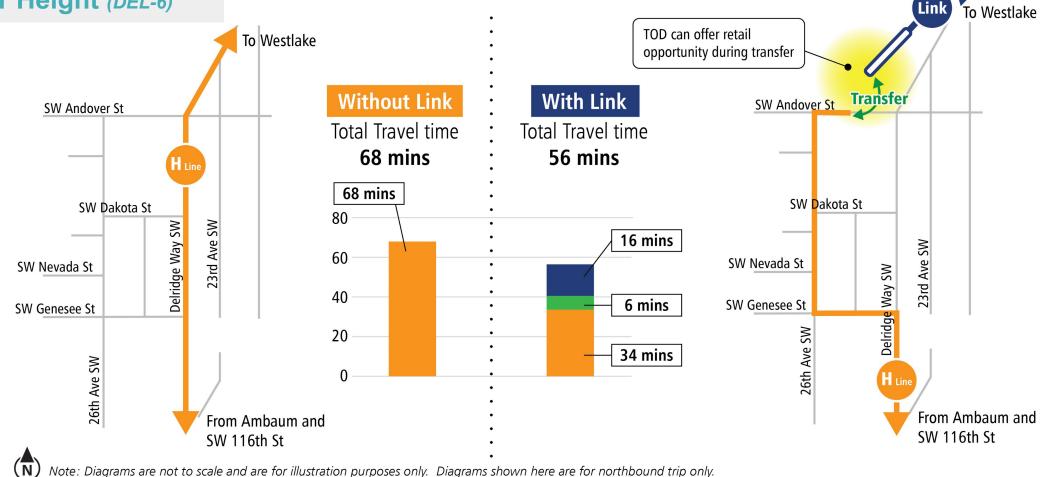




Andover Street Station Alternatives

Elevated Andover Street Station (DEL-5)

Elevated Andover Street Station Lower Height (DEL-6)



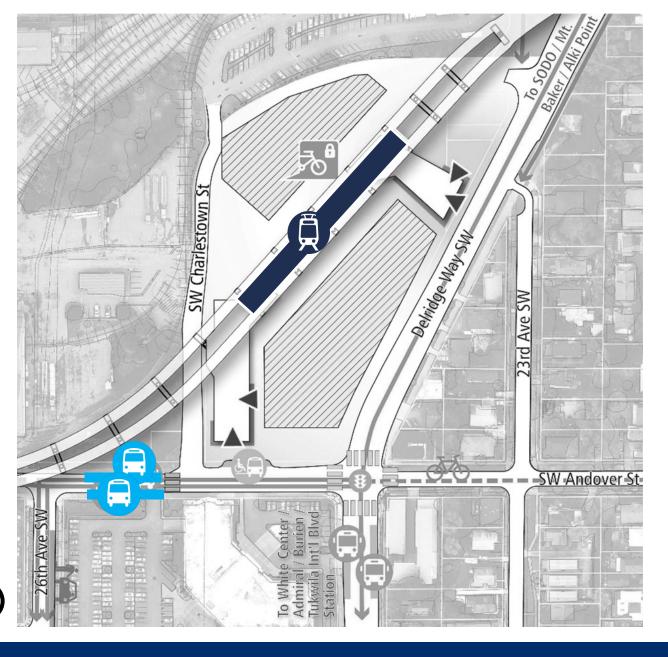
Elevated Andover Street Station (DEL-5)

Elevated Andover Street Station Lower Height (DEL-6)



Conceptual design subject to change. All measurements are approximate. Diagrams for illustration only.



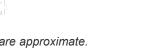


Elevated Andover Street Station (DEL-5)

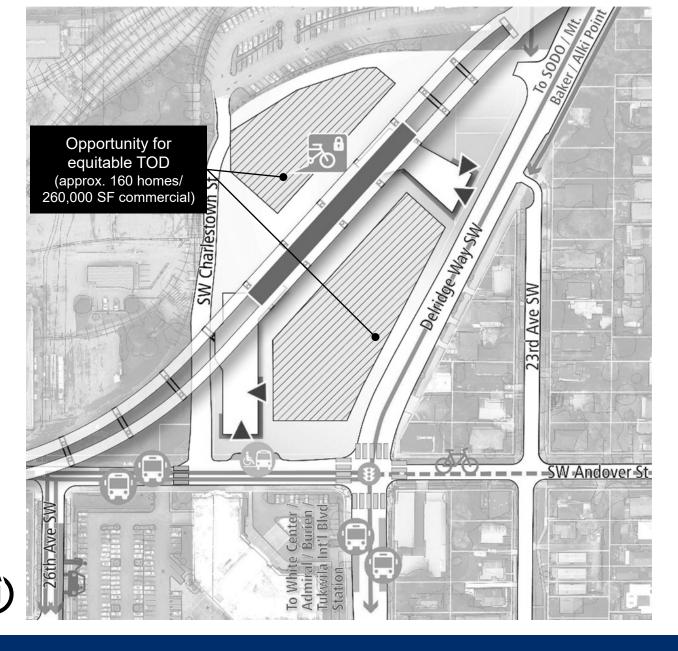
Elevated Andover Street Station Lower Height (DEL-6)

Residential Displacements (residential units)	0
Business displacements	19-20
E-TOD Potential (residential units)	160
TOD Potential (office sqft)	210,000
TOD Potential (retail sqft)	50,000

^{*} Displacements and TOD potential within Delridge Station Area



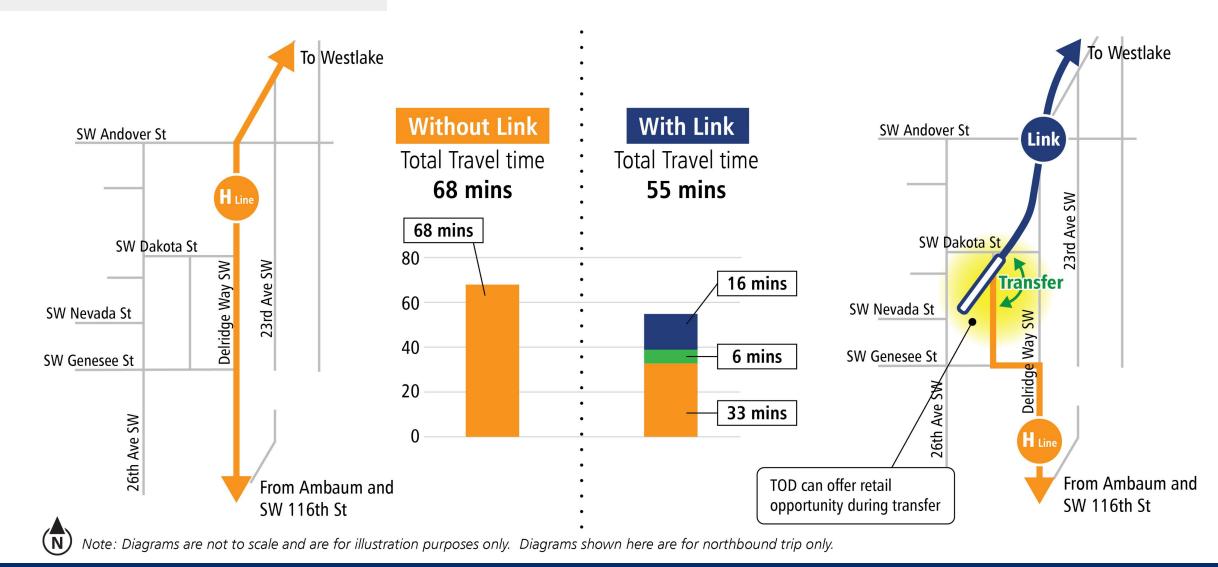
Conceptual design subject to change. All measurements are approximate. Diagrams for illustration only.



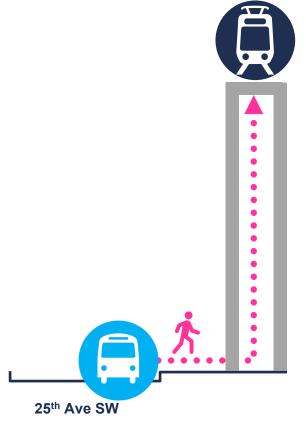


Dakota Street Station Alternatives

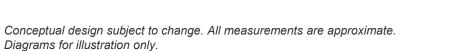
Elevated Dakota Street Station



Elevated Dakota Street Station





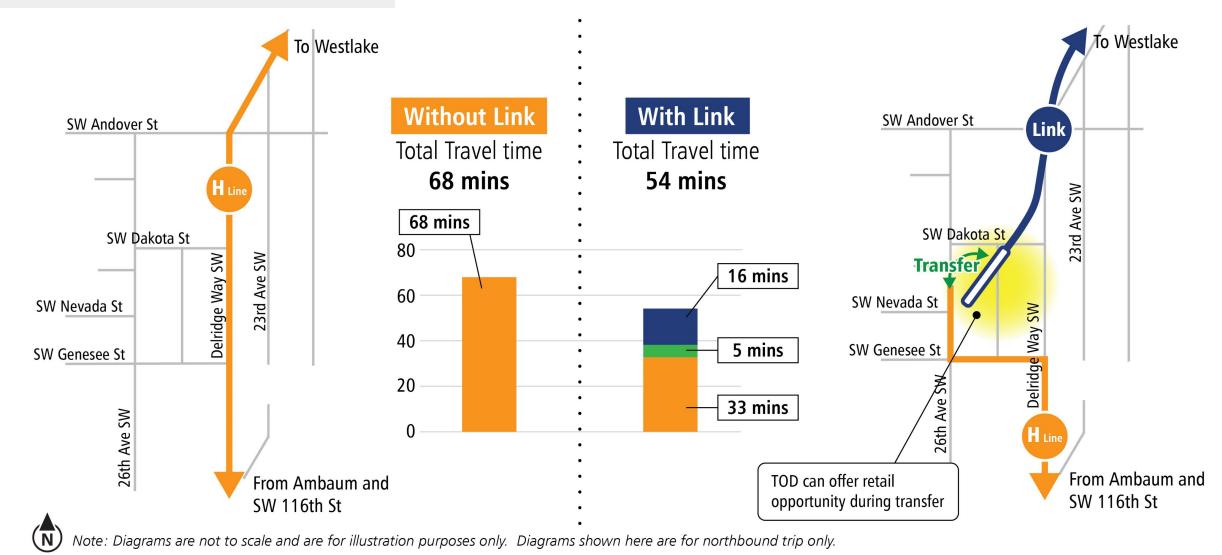




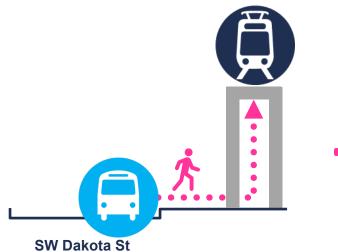




Elevated Dakota Street Station Lower Height



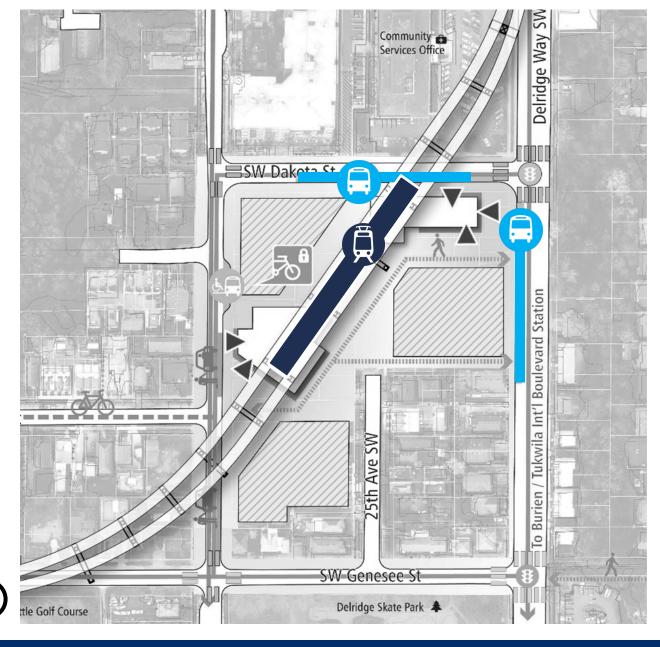
Elevated Dakota Street Station Lower Height





Conceptual design subject to change. All measurements are approximate. Diagrams for illustration only.







Elevated Dakota Street Station (DEL-1a)

Elevated Dakota Street Station Lower Height (DEL-2a)

Residential Displacements (residential units)	87-95
Business displacements	16
E-TOD Potential (residential units)	400
TOD Potential (office sqft)	0
TOD Potential (retail sqft)	34,000

^{*} Displacements and TOD potential within Delridge Station Area



Community ...

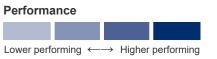


Conceptual design subject to change. All measurements are approximate. Diagrams for illustration only.

West Seattle Junction/ Delridge Segments

	Elevated Fauntleroy Dakota St	Elevated 41st /42nd Dakota St	Tunnel 41st Dakota St Lower Height	Tunnel 42nd Dakota St Lower Height	Short Tunnel 41st Dakota St	Medium Tunnel 41st Andover St Lower Height	Elevated Fauntleroy Andover St
Residential displacements	607 units	551 units	364 units	321 units	410 units	201 units	487 units
Business displacements	32	77	31	60	34	35	34
E-TOD Potential (residential units)	1,055 units	965 units	1,080 units	1,180 units	1,125 units	760 units	815 units
TOD Potential (commercial sqft)	50,000 sqft	55,000 sqft	55,000 sqft	55,000 sqft	50,000 sqft	260,000 sqft	260,000 sqft

The above information is for illustration only. Please refer to DEIS for further detail.

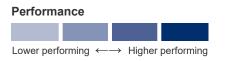




	Elevated Fauntleroy Dakota St	Elevated 41st /42nd Dakota St	Tunnel 41st Dakota St Lower Height	Tunnel 42nd Dakota St Lower Height	Elevated Fauntleroy Delridge Way	Tunnel 41st Delridge Way Lower Height
Residential displacements	607 units	551 units	364 units	321 units	586 units	341 units
Business displacements	32	77	31	60	32	31
E-TOD Potential (residential units)	1,055 units	965 units	1,080 units	1,180 units	655	680
TOD Potential (commercial sqft)	50,000 sqft	55,000 sqft	55,000 sqft	55,000 sqft	13,000	20,000



The above information is for illustration only. Please refer to DEIS for further detail.





Visual Effects

Visual in the Draft EIS

Chapter 4, section 4.2.5

Duwamish: 4.2.5.3.3

Delridge: 4.2.5.3.4

West Seattle Junction: 4.2.5.3.5

Appendix N.2 Visual and Aesthetics Technical Report

2.1: Duwamish

• 2.2: Delridge

2.3: West Seattle Junction



Visual in the Draft EIS

Key observation points/simulations

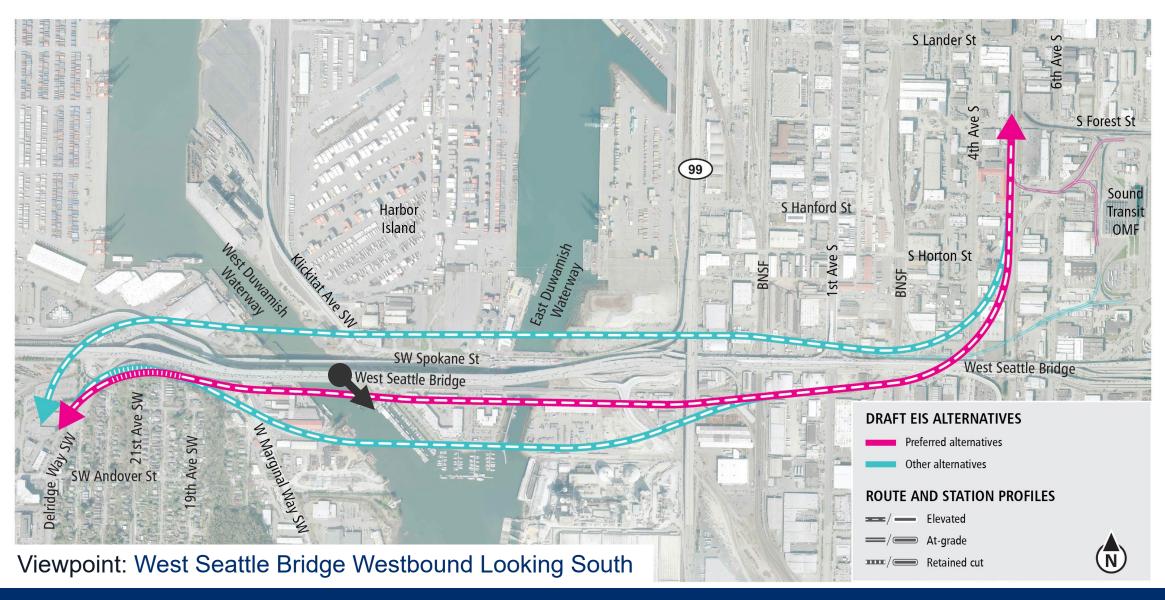
 The locations used for each simulation are called key observation points (KOPs). KOPs are used to depict current views toward a proposed project and how the views would change with the project.

Impact Assessment

 Impact assessment is for the entire corridor, regardless of whether a simulation is prepared.

Examples: Duwamish segment

Draft EIS alternatives Duwamish



Existing Condition





Viewpoint: West Seattle Bridge Westbound Looking South

South Crossing Alternative





Viewpoint: West Seattle Bridge Westbound Looking South

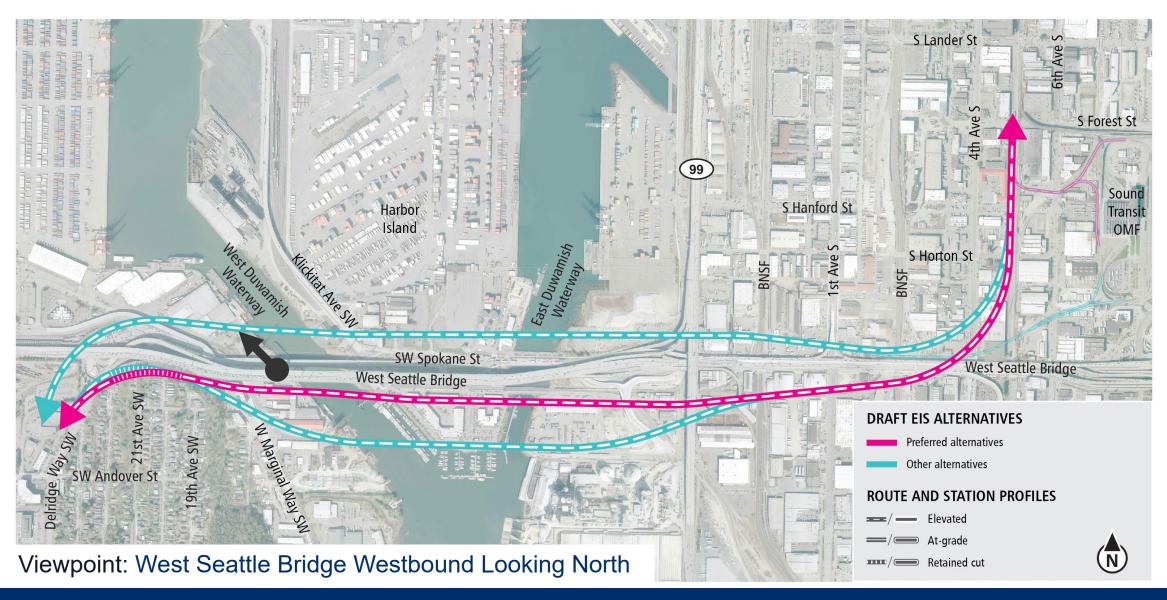
South Edge Crossing Alignment Option





Viewpoint: West Seattle Bridge Westbound Looking South

Draft EIS alternatives Duwamish



Existing Condition





Viewpoint: West Seattle Bridge Westbound Looking North

North Crossing Alignment Alternative

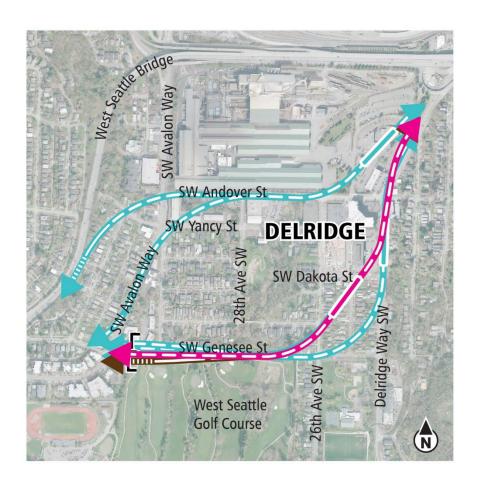


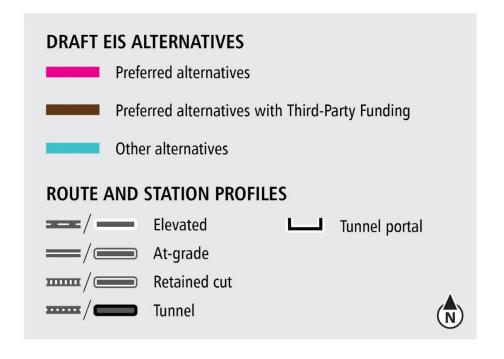


Viewpoint: West Seattle Bridge Westbound Looking North

Examples: Delridge segment

Draft EIS alternatives Delridge

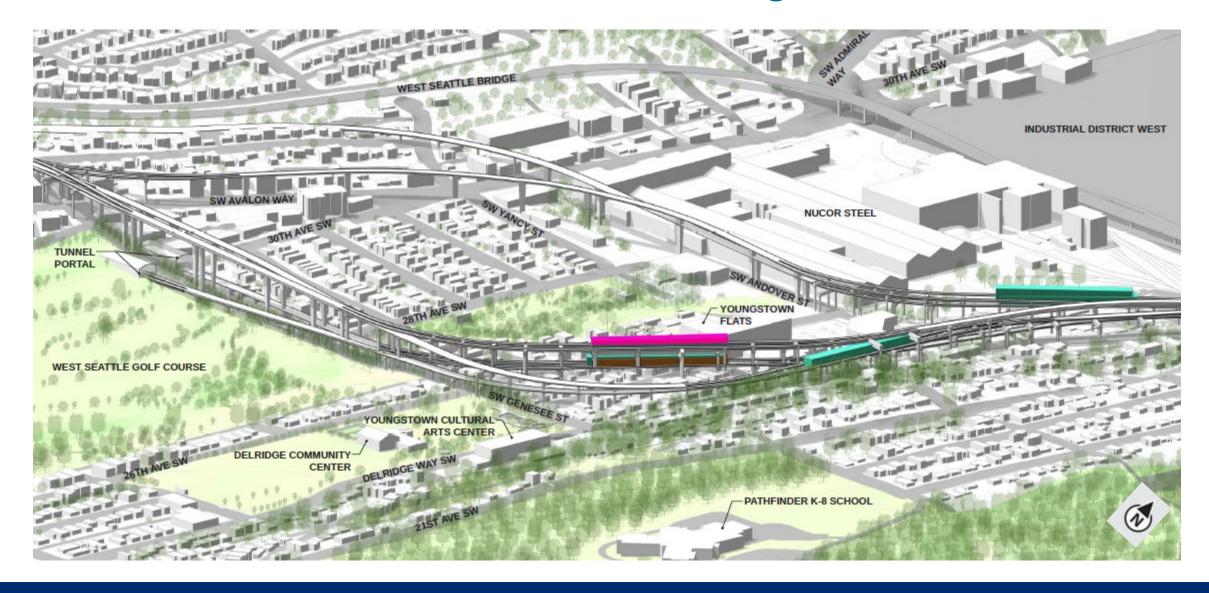




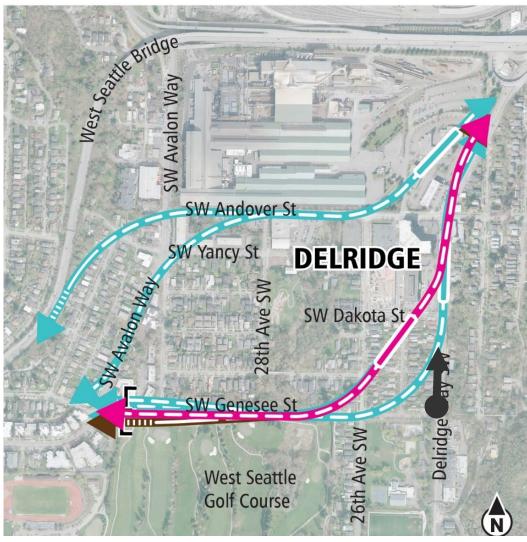
Diagrams are not to scale and all measurements are approximate for illustration purposes only.



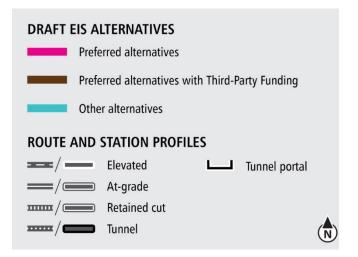
Draft EIS alternatives Delridge



Draft EIS alternatives Delridge



Viewpoint: Looking North along Delridge Way Southwest



Existing Condition





Viewpoint: Looking North along Delridge Way Southwest

Dakota Street Station Alternative





Viewpoint: Looking North along Delridge Way Southwest

Dakota Street Station Alternative North Alignment





Viewpoint: Looking North along Delridge Way Southwest

Dakota Street Station Lower Height Alternative





Viewpoint: Looking North along Delridge Way Southwest

Delridge Way Station Alternative

Delridge Way Station Lower Height Alternative





Viewpoint: Looking North along Delridge Way Southwest

Andover Street Station Alternative





Viewpoint: Looking North along Delridge Way Southwest

Andover Street Station Lower Height Alternative





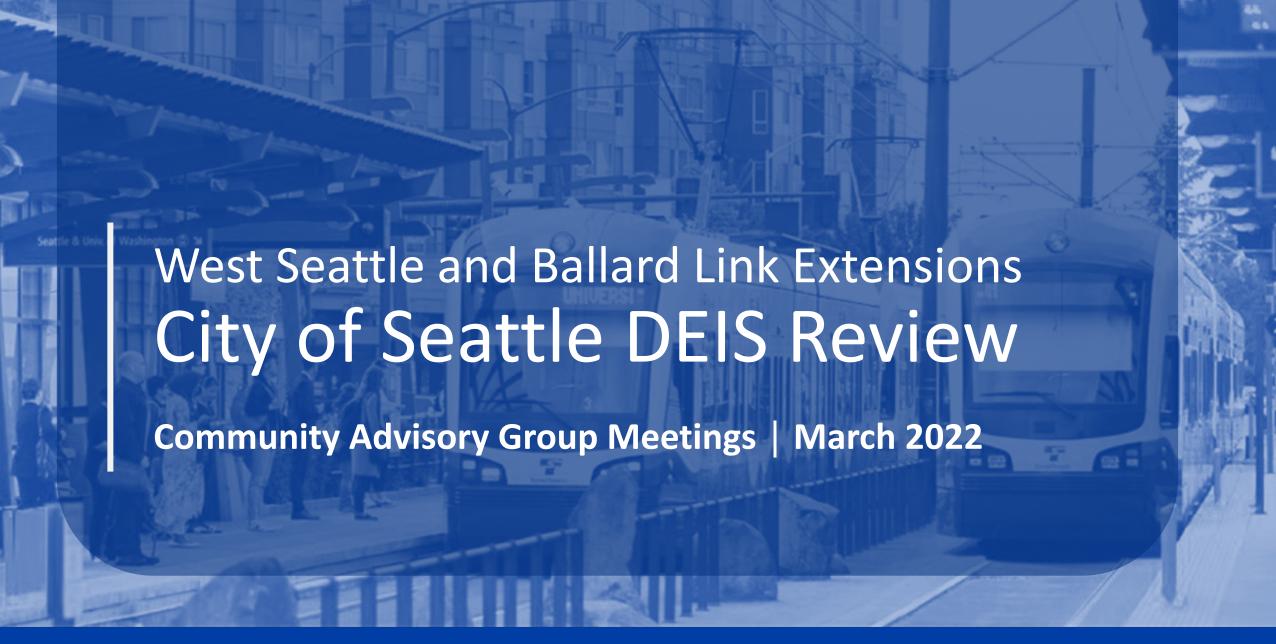
Viewpoint: Looking North along Delridge Way Southwest

Discussion: Hearing from CAG members

Reflections now that you have more information?

Agenda

- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Duwamish/West Seattle
- City of Seattle: Draft EIS Review
- Next steps and next meeting





February CAG Meetings: City Scope of WSBLE DEIS Review

Review for compliance and adequacy:

- 1. Does the DEIS demonstrate compliance with City Codes/Director's Rules?
- 2. Does the DEIS identify and evaluate project impacts and include adequate mitigation?
- 3. Does the DEIS meaningfully compare alternatives?

Review for additional strategic questions for the City:

- 4. Does the DEIS adequately analyze impacts to BIPOC communities, propose mitigation, and further the joint Racial Equity Toolkit outcomes?
- 5. How does new DEIS information shape City position on alternatives?

March CAG Meetings: Comparing the DEIS Alternatives

Key trade-offs between West Seattle segments alternatives:

- Duwamish Water Crossing: North v South
- Delridge: Andover v Delridge v Dakota
- Avalon/Alaska Junction: Tunnel v Elevated

Discussion questions:

- Are these the right considerations to compare the alternatives?
- What issues are of greatest importance?

DUWAMISH NORTH

DUWAMISH SOUTH

DUW-2: North Crossing

DUW-1a: South Crossing (Preferred)

DUW-1b: South Edge Crossing



DUWAMISH NORTH

DUWAMISH SOUTH

OPPORTUNITIES

Avoids Pigeon Point steep slope and WS Greenbelt impacts

CONCERNS

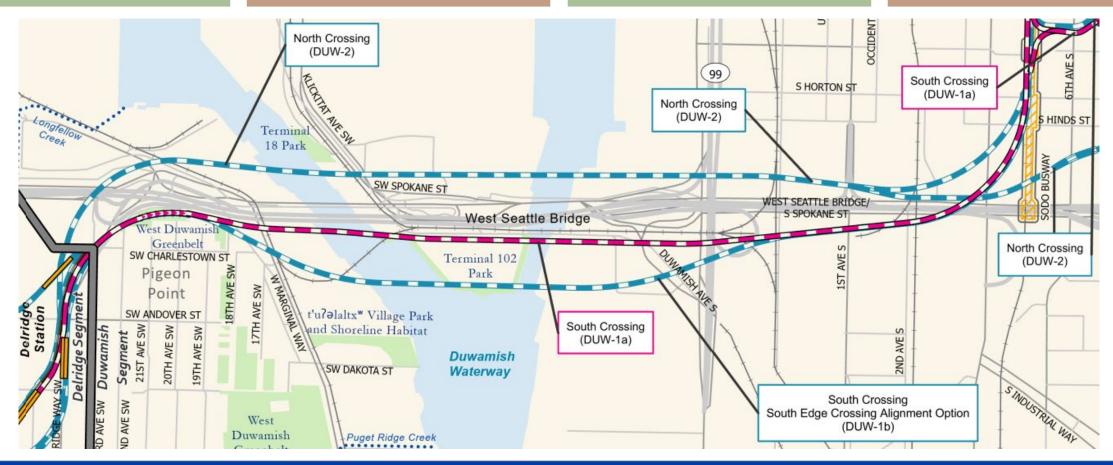
Impacts to maritime businesses and transportation

OPPORTUNITIES

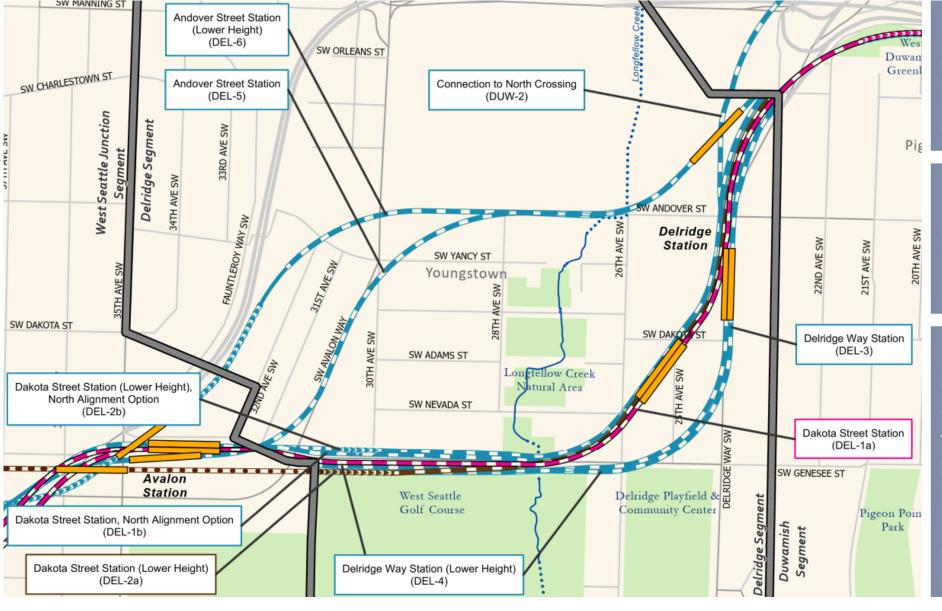
Limits impacts to maritime businesses and transportation

CONCERNS

Impacts to Pigeon Point steep slope and WS Greenbelt







ANDOVER STREET

DEL-6: Andover Street (lower height, connects to tunnel) **DEL-5:** Andover Street

DELRIDGE WAY

DEL-4: Delridge Way (lower height, connects to tunnel) **DEL-3:** Delridge Way

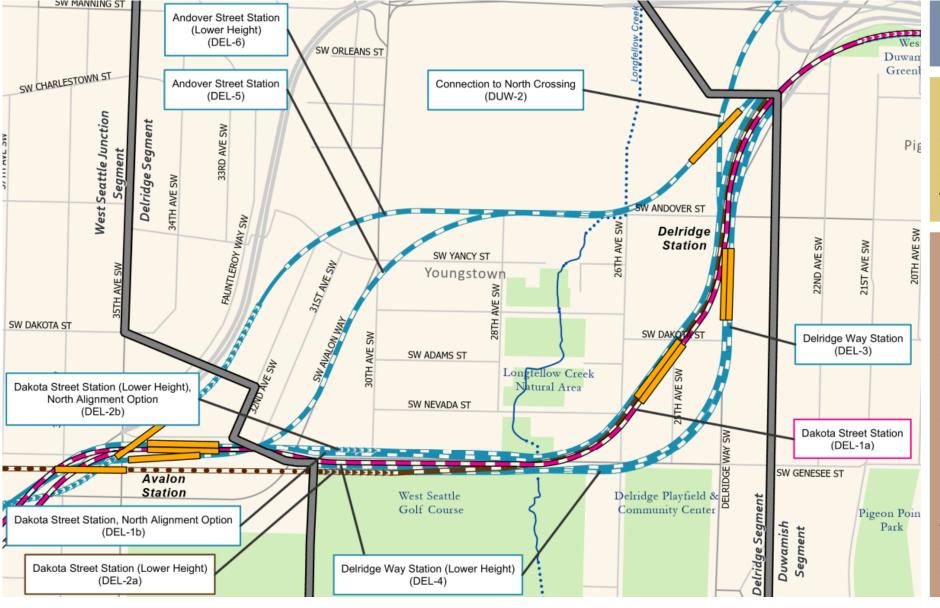
DAKOTA STREET

DEL-2b: Dakota Street North (lower height, connects to tunnel)

DEL-2a: Dakota Street (lower height, connects to tunnel,

Preferred)

DEL-1b: Dakota Street North **DEL-1a:** Dakota Street (Pref)



ALL ALTERNATIVES

RET OUTCOMES

Optimize transit integration Create opportunities for equitable TOD

CONCERNS

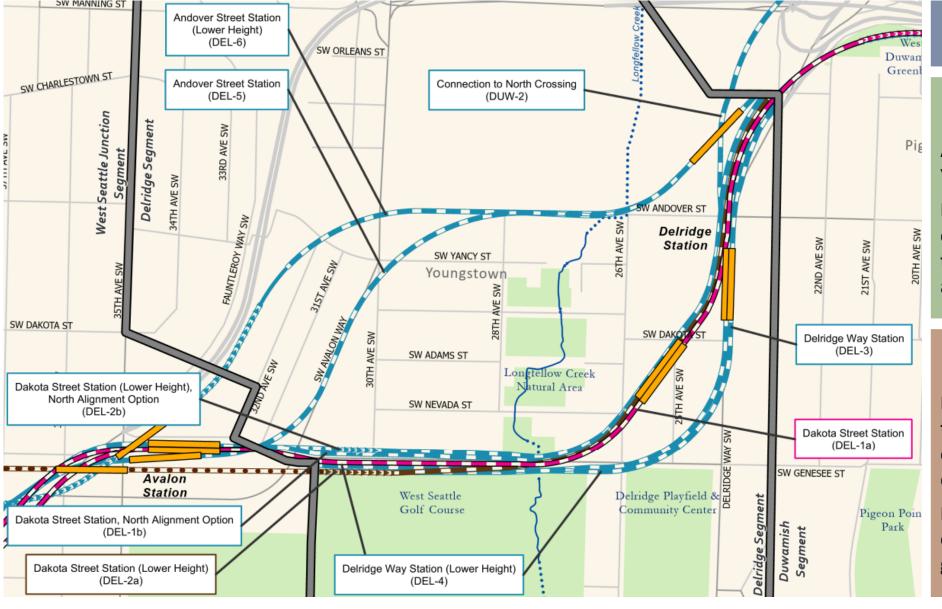
Need for additional engagement to understand community preference and advance RET outcomes

Optimize transit integration for communities further south

Minimize impacts and support restoration of Longfellow Creek

Avoid/minimize/mitigate noise and aesthetic effects of tall guideway over community





ANDOVER STREET

OPPORTUNITIES

Avoids tall guideway over Youngstown community

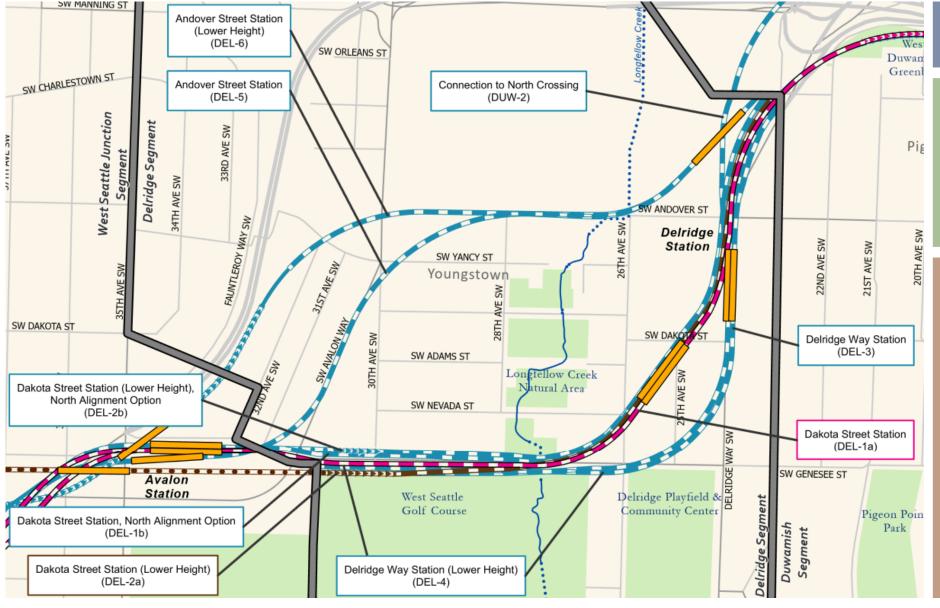
No additional cost for DEL-6 tunnel connection to WSJ-5 (medium tunnel) compared to elevated alternatives

CONCERNS

Nucor access and WS bridge makes this a vehicle-heavy area challenge to make safe pedestrian environment

Furthest north of Delridge options—underscores need for good transit integration





DELRIDGE WAY

OPPORTUNITIES

Good transit integration opportunity with access on both sides of Delridge Way

CONCERNS

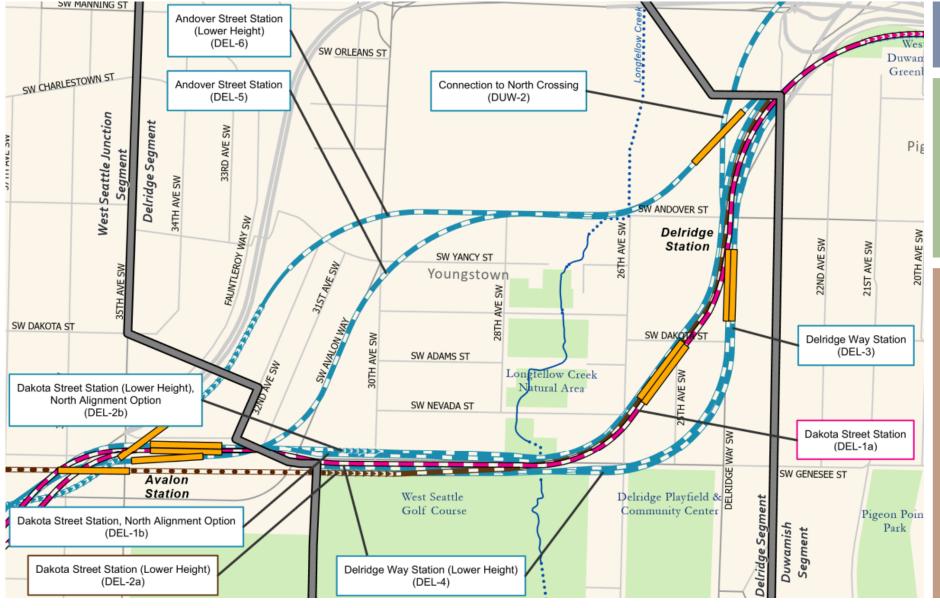
Transportation impacts of structures on Delridge Way

Displacement and relocation of businesses and residences

Impacts to Community Center and Golf Course

Additional costs of DEL-4 tunnel connections to WSJ segment over elevated option





DAKOTA STREET

OPPORTUNITIES

Good agency TOD opportunity could address some communityidentified needs

CONCERNS

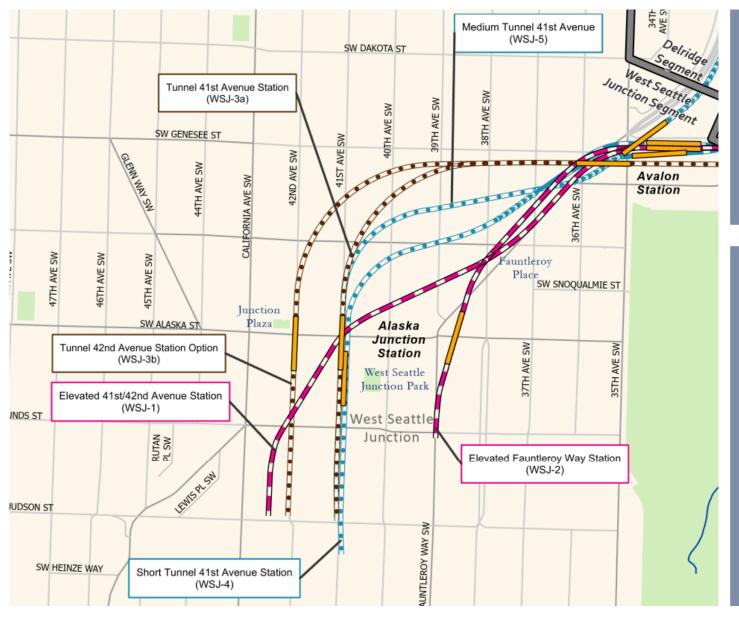
Displacement and relocation of businesses and residences

Transportation impacts of structures on Delridge Way

Impacts to Golf Course

Additional costs of DEL-2a and DEL-2b tunnel connection to WSJ segment over elevated option





ELEVATED ALTERNATIVES

WSJ-1: 41st/42nd Avenue Station (Preferred)

WSJ-2: Fauntleroy (Preferred)

TUNNEL ALTERNATIVES

WSJ-3a: Tunnel to 41st Avenue (Long tunnel,

Preferred)

WSJ-3b: Tunnel to 42nd Avenue (Long tunnel,

Preferred)

WSJ-4: Tunnel to 41st Avenue (Short tunnel)

WSJ-5: Tunnel to 41st Avenue (Medium tunnel)

Medium Tunnel 41st Avenue (WSJ-5) SW DAKOTA ST West Seattle Tunnel 41st Avenue Station (WSJ-3a) \$W GENESEE ST Avalon Station SW SNOQUALMIE ST Junction Plaza SW ALASKA ST Alaska Junction Tunnel 42nd Avenue Station Option Station (WSJ-3b) West Seattle Junction Park Elevated 41st/42nd Avenue Station (WSJ-1) JNDS ST West Seattle Junction RUTAN PL SW Elevated Fauntleroy Way Station (WSJ-2) **JUDSON ST** SW HEINZE WAY Short Tunnel 41st Avenue Station (WSJ-4)

ELEVATED ALTERNATIVES

OPPORTUNITIES

Cost savings over Short and Long tunnel alternatives

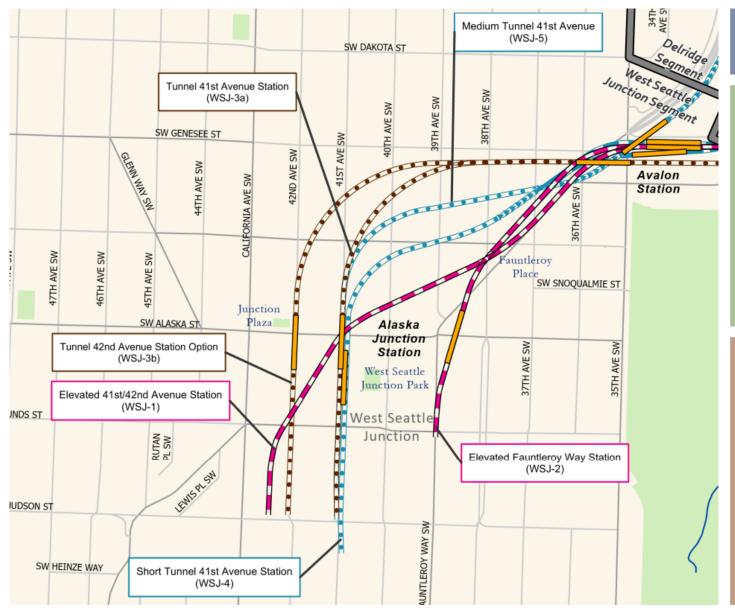
CONCERNS

Property acquisition and displacement of residences and businesses

Operational noise and aesthetic effects of elevated guideway

Impacts to mobility during construction

Impacts to transportation (lane reductions and sightline limitations) during operations



TUNNEL ALTERNATIVES

OPPORTUNITIES

Avoids numerous adverse impacts of elevated alternatives

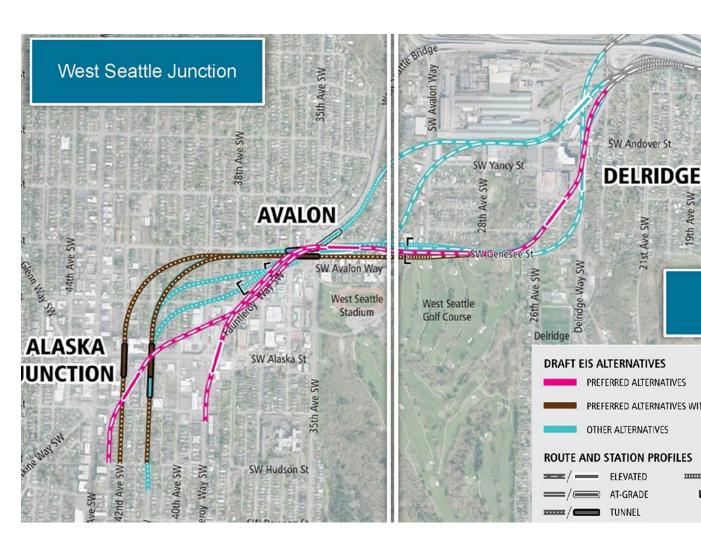
TOD opportunity with WSJ-3b long tunnel to 42nd

No additional cost for WSJ-5 Medium tunnel over elevated alternatives

CONCERNS

Considerable additional cost for Long tunnel (WSJ-3a and WSJ-3b) and Short tunnel (WSJ-4) over the elevated alternatives

Affordable WSJ-5 Medium tunnel only connects to **Andover alternative at Delridge**



DISCUSSION

Are these the right considerations to compare the alternatives?

West Seattle Bridge

Delridge

RETAINED CUT TUNNEL PORTAL What issues are of greatest importance?



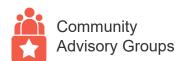


Agenda

- Welcome and introductions
- Community Engagement and Collaboration
- Draft EIS Results Deep Dive: Duwamish/West Seattle
- City of Seattle: Draft EIS Review
- Next steps and next meeting

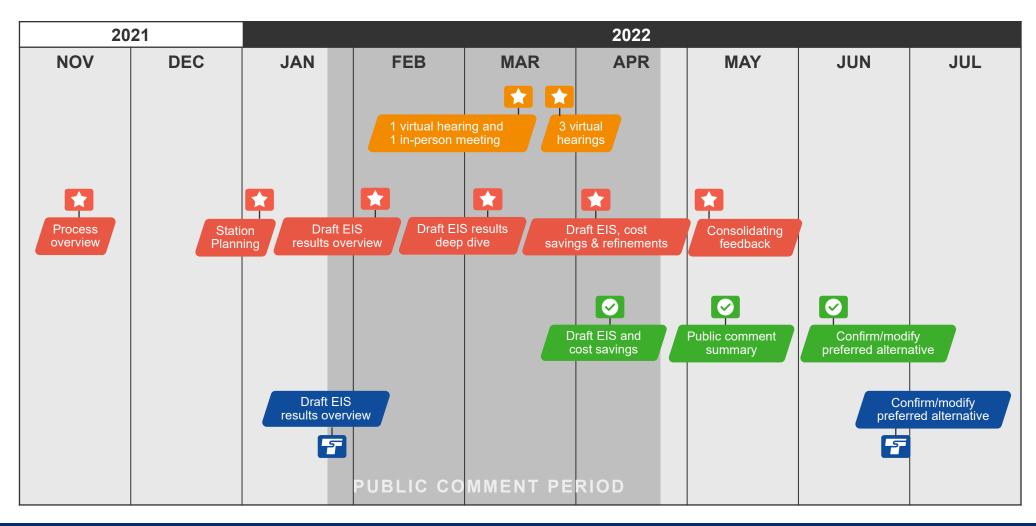
Community engagement and collaboration Draft Environmental Impact Statement (EIS)













Upcoming Community Advisory Groups



CID/SODO Community Advisory Group

Draft EIS Deep Dive Thursday, March 10, 2022 from 5pm to 7pm

Interbay/Ballard Community Advisory Group

Draft EIS, Potential Cost Savings, Refinements Tuesday, April 5, 2022, from 5pm to 7pm

Downtown Community Advisory Group

Draft EIS, Potential Cost Savings, Refinements Thursday, April 7, 2022 from 5pm to 7pm

West Seattle/Duwamish Community Advisory Group

Draft EIS, Potential Cost Savings, Refinements Tuesday, April 12, 2022 from 5pm to 7pm



Draft EIS Meetings



Online Public Meetings:

- Tues, Mar 15, 5:30-7:30pm (Interbay/Ballard segments)
- Tues, Mar 22, 5:30-7:30pm (Downtown segment)
- Thurs, Mar 24, 5:30-7:30pm (CID/SODO segments)
- Weds, Mar 30, 5:30-7:30pm (West Seattle/ Duwamish segments)



In-person drop-in event*:

Thurs., March 17, 12pm – 7 PM, Union Station (Corridor-wide)

*The in-person event is subject to state and local guidelines regarding social distancing due to COVID-19. If the in-person event cannot be held due to COVID-19 concerns, a virtual event will be held in its place. Hours may differ if this becomes a virtual event.



wsblink@soundtransit.org (206) 903-7229



soundtransit.org/wsblink



