### West Seattle Link Extension

Seattle Design
Commission Briefing
Package 4: Delridge Station,
Longfellow Creek Crossing,
and Elevated Guideway
November 21, 2024



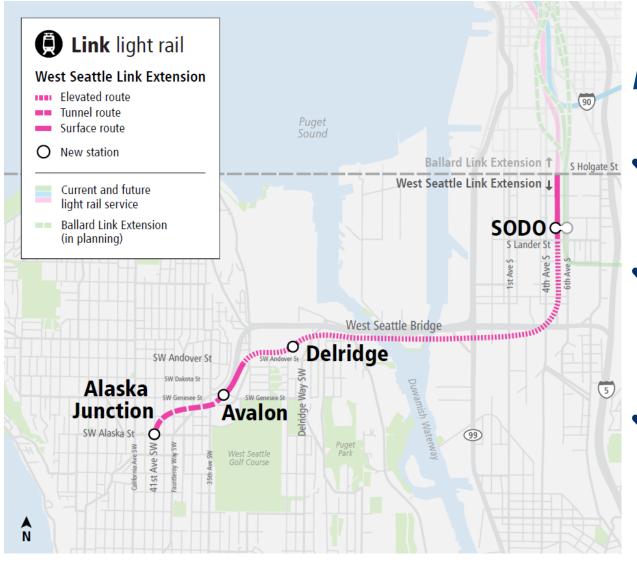


## Today's Agenda

- 1. Project Background, Engagement, Sustainability, Longfellow Creek and Delridge Guideway
- 2. Delridge Station



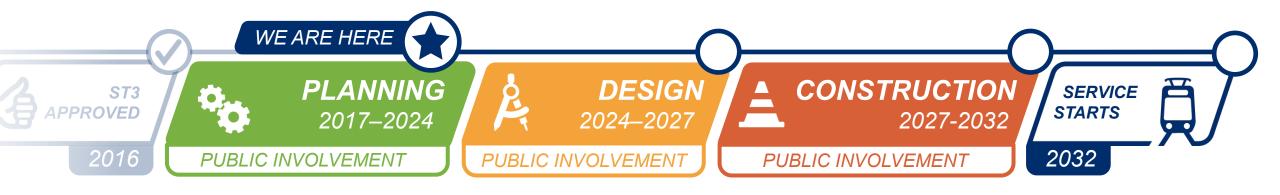
# Project Background



## West Seattle Link Extension (WSLE)

- ✓ Included in Sound Transit 3 (ST3) plan passed by voters in 2016.
- ✓ Provide fast, reliable light rail connections in the SODO, Delridge and West Seattle neighborhoods.
- ✓ 4.1 miles of light rail service with 4 stations.

## WSLE Project timeline





2016



## PLANNING



2017-2019

**Alternatives** development

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

2019-2024

**Environmental review** 

**Early 2022: Publish Draft EIS** 

Public comment period

Board confirms or modifies preferred alternatives

2024: Publish Final EIS

Board selects project to be built

Federal Record of Decision

PUBLIC INVOLVEMENT



## History – How did we get to the current preferred alternative?

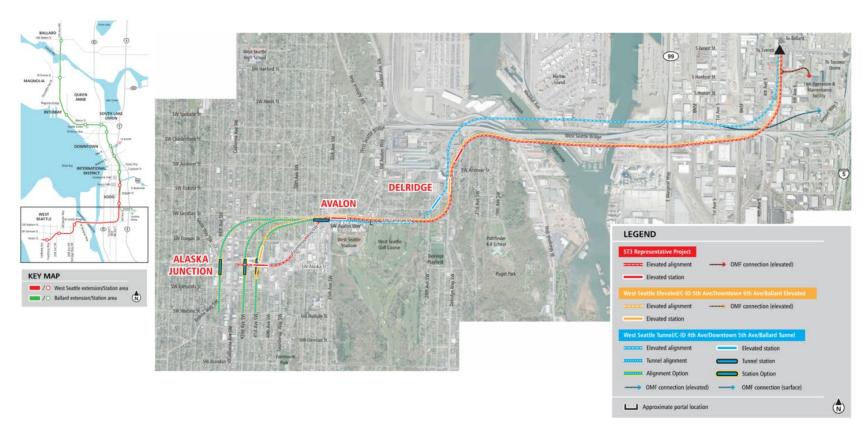
### Level 1 Alternatives



### Level 2 Alternatives



#### Level 3 Alternatives



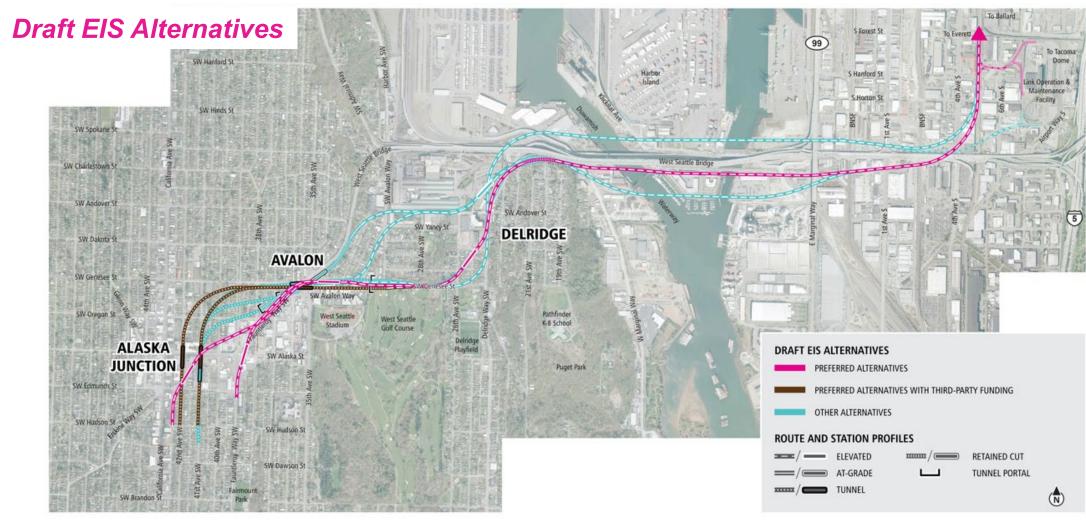


# History – How did we get to the current preferred alternative?

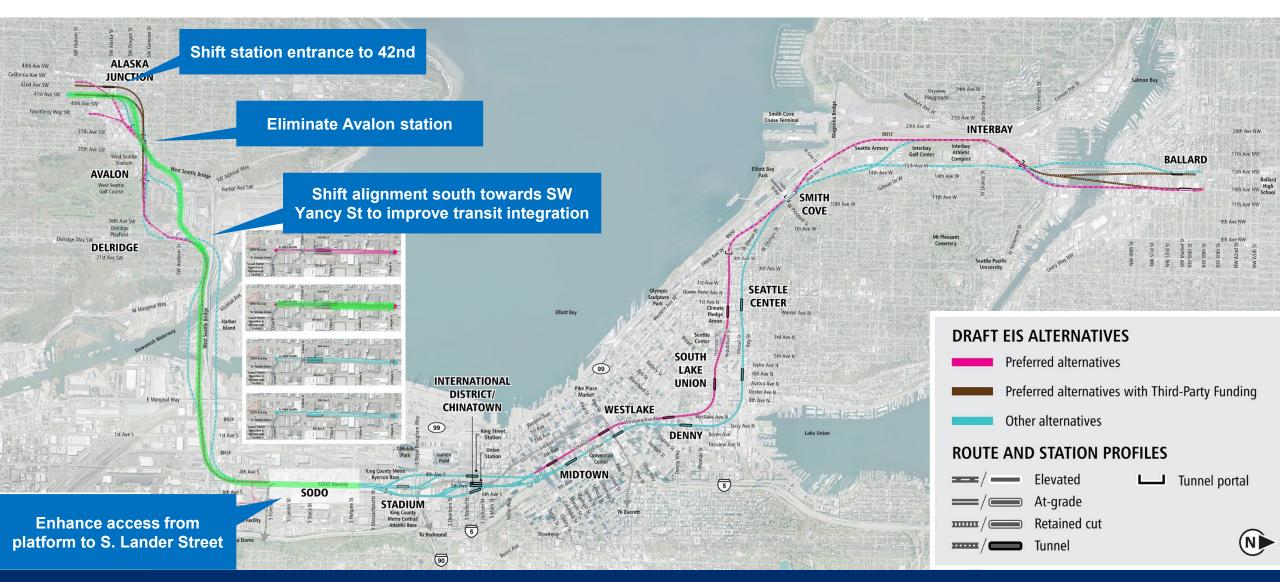
Draft EIS and Initial Assessment Alternatives Yancy/Andover DELRIDGE **ALASKA AVALON** JUNCTION Preferred alternatives K-8 School Preferred alternatives with Third Party funding SW Alaska St Other DEIS alternatives Initial assessment alternatives



# History – How did we get to the current preferred alternative?

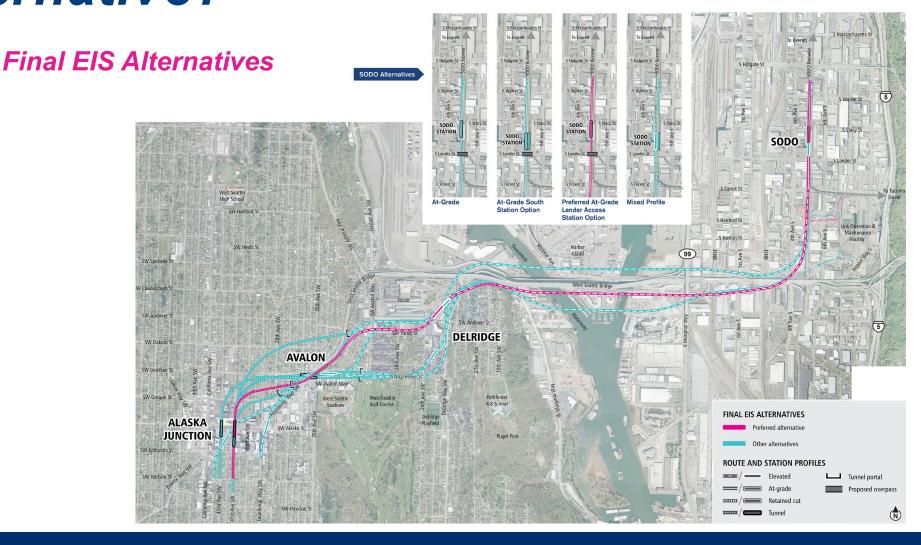


### West Seattle Link Extension: Further studies

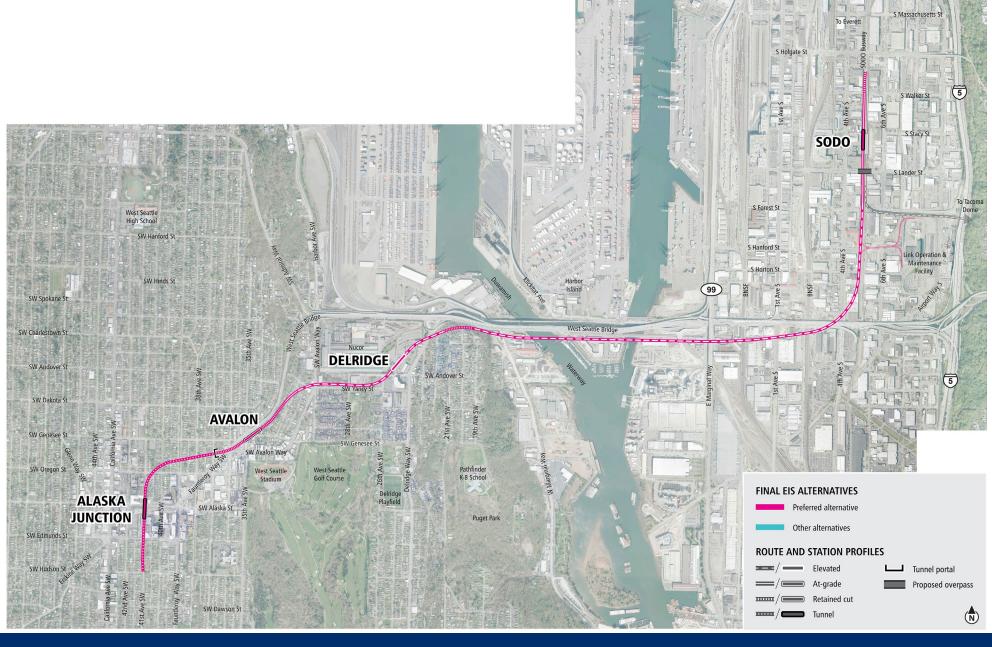




# History – How did we get to the preferred alternative?







## PLAN



## DESIGN







### Final route and station design

Station naming

Identify artists for station art

Property acquisition/relocation

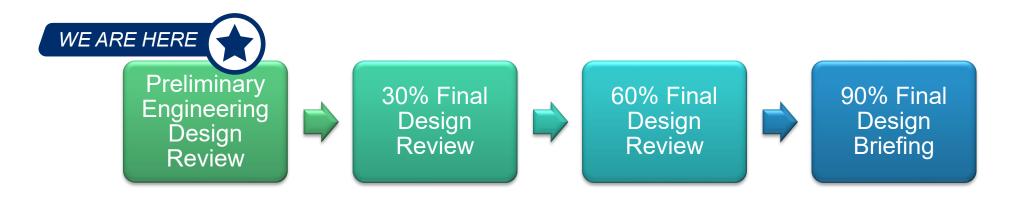
Early construction activities

**Construction contract procurement Permitting** 

PUBLIC INVOLVEMENT



### Final Design Milestones



- Future design reviews in Final Design
- Each review informs the next phase
- Design Element Matrix identifies key elements for each phase

## Engagement

Federal Consultation on Cultural Resources and Fisheries

Engagement with Federally and non-Federally recognized Tribes to understand concerns and desires for Project



### Themes from Tribal Engagement:

- Education of public on Indigenous history
- Preserve culture
- Restore natural environment
- Increase access to natural resources
- Protect cultural resources



Anthony Duenas, Puyallup Tribe of Indians, Sounder Tacoma Dome Station, 2024.

swələx - Power



# Project elements we have discussed with potential Tribal input:

- Station features
- Art
- Interpretive signage
- Landscape design and restoration
- Longfellow Creek restoration
- Integrate Lushootseed into system



Qwalsius-Shaun Peterson, Puyallup Tribe of Indians, with his artwork for the Sounder Puyallup Station garage, the first artwork expressing the Tribe's heritage in the City named after the Tribe.



## Community Engagement

## Community Engagement

# Public outreach efforts began in Feb 2018, with varied and broad-reaching methods

- Briefings
- Open houses and neighborhood forums
- Public hearings
- Fact sheets and brochures
- Community events

- Project webpage
- News media
- Potentially Affected Property notification
- Database
- Targeted Outreach



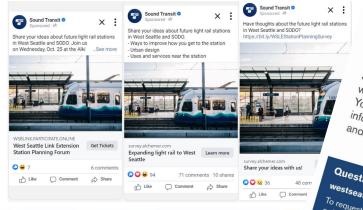
Building Public Awareness

Seattle輕軌擴建











Please join us on Tuesday, March 5 for a West Seattle Link Extension Station Planning Open House. We'll share a summary of community priorities for future light rail station design in West Seattle and SODO, based on feedback We heard from the public in fall 2023. You can see how your feedback is informing ongoing design for the project and learn about what's next.

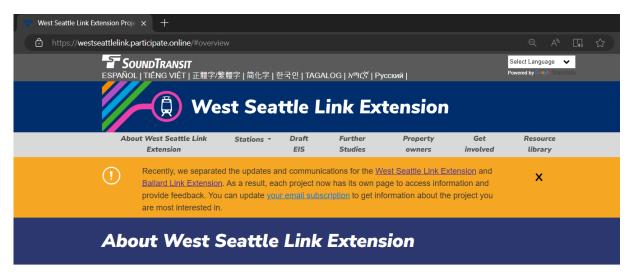
West Seattle Link Extension Station Planning Open House Tuesday, March 5, 2024 5:30 - 7:30 p.m. Short presentation at 6 p.m. Alki Masonic Center 4736 40th Avenue SW Spanish, Vietnamese, Somali, and ASL interpretation will be provided

Questions? Contact Sound Transit Community Engagement: westseattlelink@soundtransit.org or 206-903-7229

To request accommodations for persons with disabilities, information in alternate formats such as braille and an advance of public To request accommodations for persons with disabilities, information in alternate formats such as braile accommodations for persons with disabilities, information in alternate formats such as braile weeks in advance of public public. | 要願所項目質計, 請致電: 800-823-9230 | M Tで カオ するのよれのです。 800-823-9230 | De biết thông tin về dự án,

SOUMOTOAN

### Adaptive, Creative, Accessible



The West Seattle Link Extension will provide fast, reliable light rail connections to dense residential and job centers in the SODO, Delridge, and West Seattle neighborhoods. The West Seattle Link Extension is part of the regional transit system expansion approved by voters in November 2016.

#### West Seattle Link Extension

- Adds 4.1 miles of light rail service from SODO to West Seattle's Alaska Junction neighborhood
- · Includes four new stations from SODO to Alaska Junction.
- · Start of service scheduled for 2032.

#### West Seattle Link Extension project timeline

2016 Voter Approval ✓	
2017-2024 Planning	+
2024-2027 Design	+
2027-2032 Construction	+

### West Seattle Link Extension Station Planning

Thank you to everyone that was able to attend our station planning events.

Oct. 25, 2023 meeting materials

Station and Access Planning
Engagement Summary

March 5, 2024 meeting materials

#### Stay engaged!

Get upcoming project news and public involvement opportunities.

Subscribe now







## Capacity Building, Expanding our Reach

- Community liaisons focused on Delridge corridor in the RET communities, provided strategic guidance/support with:
  - Door-to-door business outreach
  - Engaging at community events, fairs, festivals and other tabling opportunities
  - Ethnic media and community presentations
  - Enhancing in-language accessibility, commenting and feedback
  - Recruiting in-language focus groups participants





### WSLE Station Planning Engagement



Two WSLE Open Houses in West Seattle; two SODO drop-in



Two in-language focus groups in December 2023

### Oct. 25, 2023 West Seattle Station Planning Forum

- ✓ Nearly 200 people attended.
- √ 1,232 completed English and in-language online survey.
- ✓ Gathered feedback on access, urban design, and transit-oriented development (TOD) topics.

### Mar. 5, 2024 West Seattle Station Planning Open House

- ✓ Nearly 230 people attended.
- ✓ Shared station design progress and a summary of community priorities based on feedback we heard in Fall engagement.
- ✓ Opportunity for additional inputs.



## Engagement – Delridge Station

- Open houses, neighborhood forums, with specific events focused on Delridge Station
- Door-to-door business outreach, including south Delridge and White Center
- Community and neighbor's group meeting, such as WS Bike Connections, Avalon neighbors, WS Chamber, DNDA, etc.
- In-language focus groups focusing on the Delridge Station design
- Fairs, festivals, tabling events in the Delridge, South Delridge, and White Center communities



### Delridge Station – Recent community feedback

### **Station design priorities:**

- Feels safe and vibrant, easy to move through, and welcoming with quality materials
- Interest in adding landscaping and trees
- Interest in incorporating public art at the station
- Interest in temporary shading or weather protection structures

### **Transit-oriented development priorities:**

- Businesses/services: Food/drink, shopping, social services, convenience/errands stores
- Uses: Affordable housing, rental housing, ownership housing



### Delridge Station – Recent community feedback

### Improving access

- Interest in safe bike infrastructure separated from cars by a hard barrier
- Interest in adding bicycle racks or space to park small mobility devices
- Interest in a convenient station access
- Interest in increasing bus service frequency
- Improve connections from High Point
- Concern about freight traffic and station access near Nucor Steel



### Delridge Station – In-language focus groups feedback

- Interest in excellent wayfinding and signage, in multiple languages and pictograms
- Interest in open space, greenery, good lighting, seating areas, and art / celebrating community culture
- Interest in pedestrian improvements including wider sidewalks and more visible crosswalks, and more sidewalk at bus stops
- Interest in improving traffic flow on Delridge Way SW and slowing down vehicle speeds

- Interest in providing restrooms at stations
- Large Apartment units with 3+ bedrooms for families
- Interest in community gathering spaces, grocery/convenience stores, shopping, and culturally relevant "togo" restaurants (no chains)





## WSLE Station Planning Engagement

(Fall '23-Spring '24)



1,232

Completed English and in-language online survey



2 In-person Open Houses

engaging more than

425 attendees



2

In-person WSLE SODO drop-in



In-language focus groups

Vietnamese; Somali and other East African languages



email updates

engaging more than

12,417 subscribers



Materials translated into multiple languages to support equitable engagement



10 Community briefings



6

Fairs, festivals and other tabling events



Ads

featured on **11** unique and local digital publications



360K Impressions

on social media posts

**2,000+** link click



900+posters

delivered along the corridor



Community liaisons engaging Delridge corridor's RET communities and local businesses

Racial Equity Toolkit (RET) Report

Environmental Review

 Partnership with City of Seattle since 2017

- Sets forth RET Outcomes for RET focus areas and corridor-wide, including enhancing mobility and access, bus-rail integration and equitable transit-oriented development
- Updated to reflect Draft EIS comments and ongoing community feedback

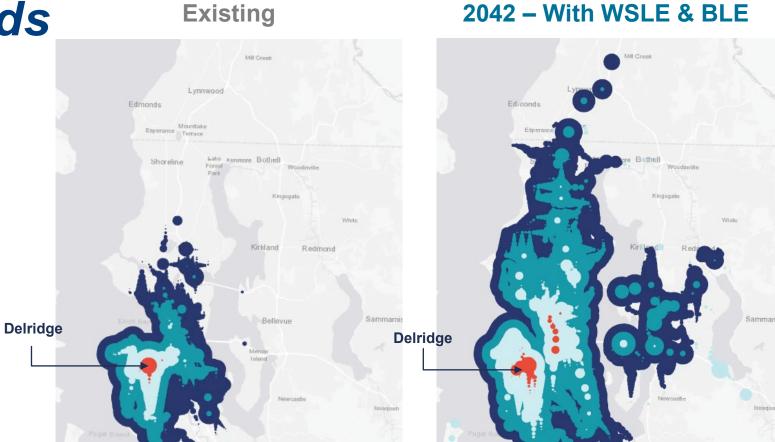




Transit Travel Sheds Delridge Station

- Connecting communities
   to a system with light rail to
   Everett, Tacoma, Redmond
   and Ballard
- Improves transit service frequency, reliability and capacity

Enhancing mobility and access



15 - minutes 30 - minutes 45 - minutes 60 - minutes

Transit Travel Sheds

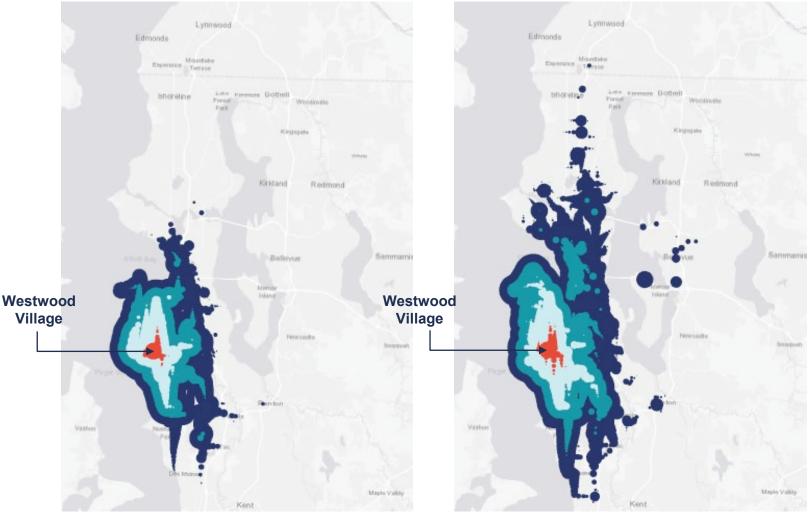
Westwood Village

- Connecting communities
   to a system with light rail to
   Everett, Tacoma, Redmond
   and Ballard
- Improves transit service frequency, reliability and capacity

Enhancing mobility and access, with bus-rail connections

### **Existing**

15 - minutes



45 - minutes

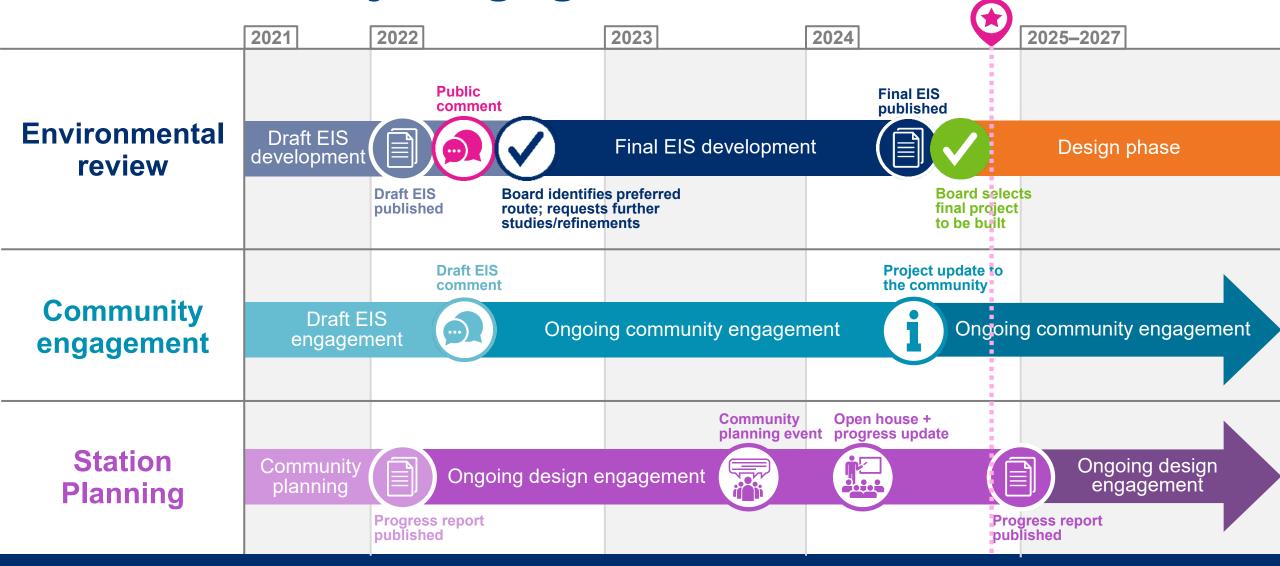
30 - minutes



60 - minutes

2042 - With WSLE & BLE

## Community Engagement Schedule





## Sustainability

### Sustainability

### General

- Salvage trees for on-site restoration
- The Climate Change Vulnerability
   Assessment (CCVA) will inform the
   design to reduce vulnerability and
   increase adaptive capacity
- Watershed improvements will be provided along Long Fellow Creek, Pigeon Point and the Duwamish River
- Find synergies with local industry, City or Port of Seattle projects and utilities.

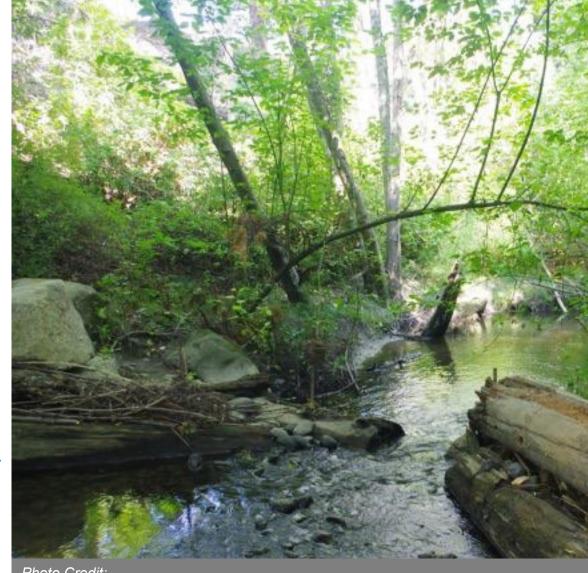


Photo Credit:
Green Seattle Partnership "Habitat Highlight: Longfellow Creek"



## Sustainability

#### **Building Materials**

- Local manufacturers produce a variety of building materials
- Regional materials may have higher recycled content
- Green regional power supply lowers embodied carbon of these materials
- Many local manufacturers have invested in calculating Embodied **Carbon and creating Environmental Product Declarations**



Sound Transit South Bellevue Station



## Sustainability

#### Waste Reduction

- Pursue consultant for Deconstruction Study
- Check feasibility of relocation & deconstruction
- City of Seattle and King County Coordination
- Prioritize salvage and recycling to achieve over 75% waste diversion







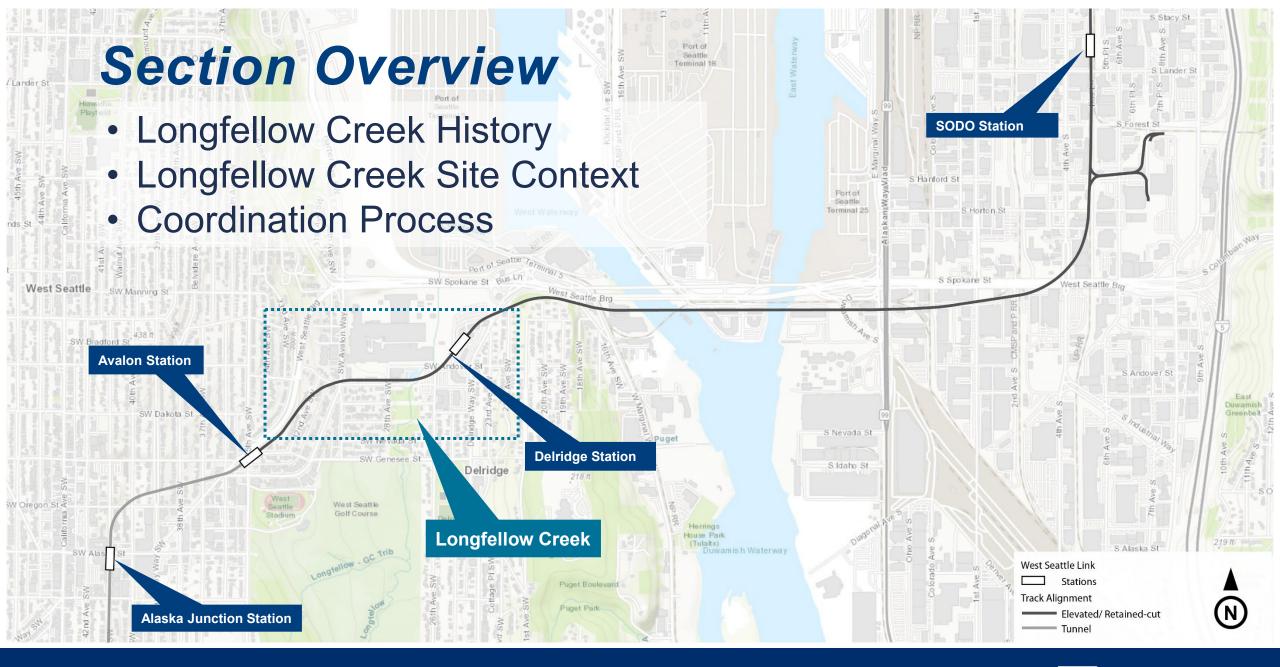


Photo Credit: Lovett Deconstruction and Salvage Shop



# Longfellow Creek and Delridge Guideway

## Longfellow Creek





## Longfellow Creek History

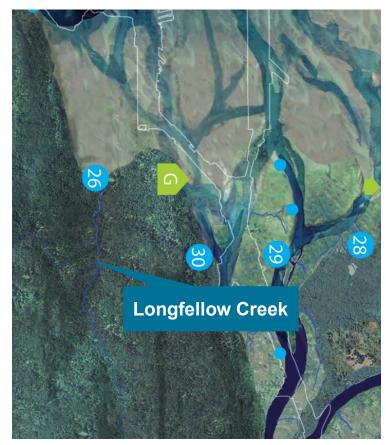






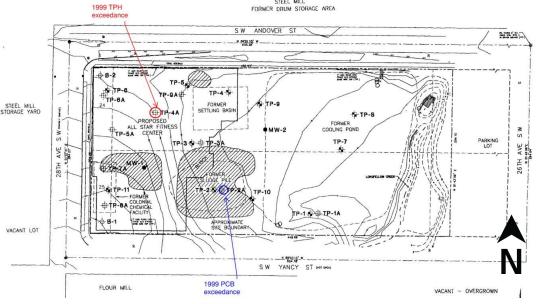
Image sources: The Waterlines Project – Burke Museum, King County iMap



# Longfellow Creek in WSLE Project Limits

- Former steel mill cooling pond, settling basin, chemical facility, and sludge pile
- "No Further Action" status from Ecology due to cap
- Known residual petroleum and PCB contamination in soil
- ST currently completing environmental site assessment





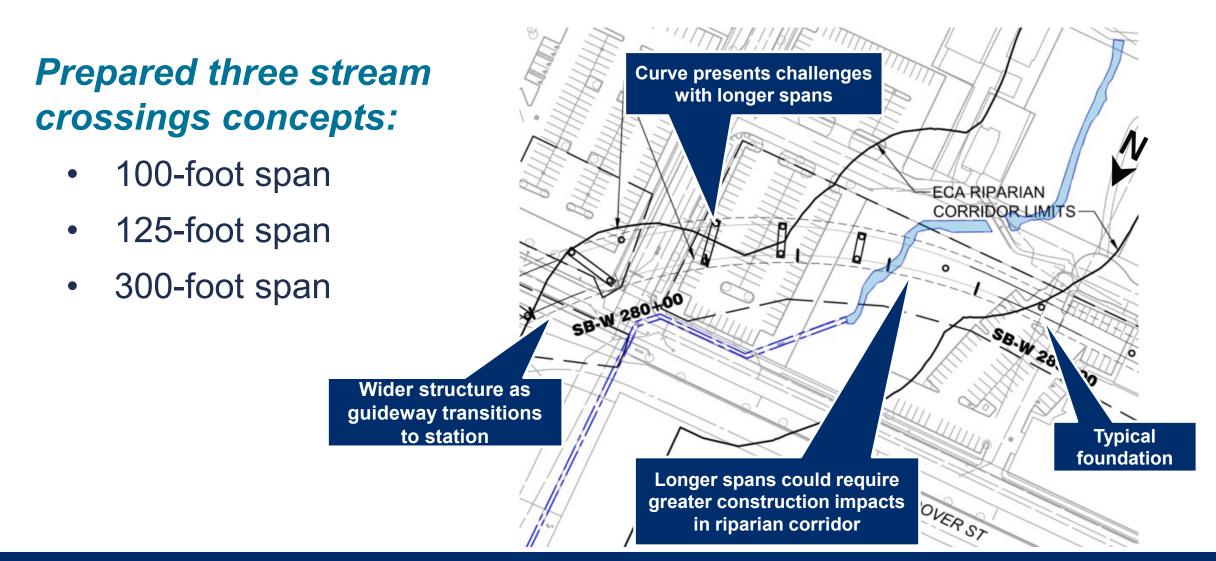


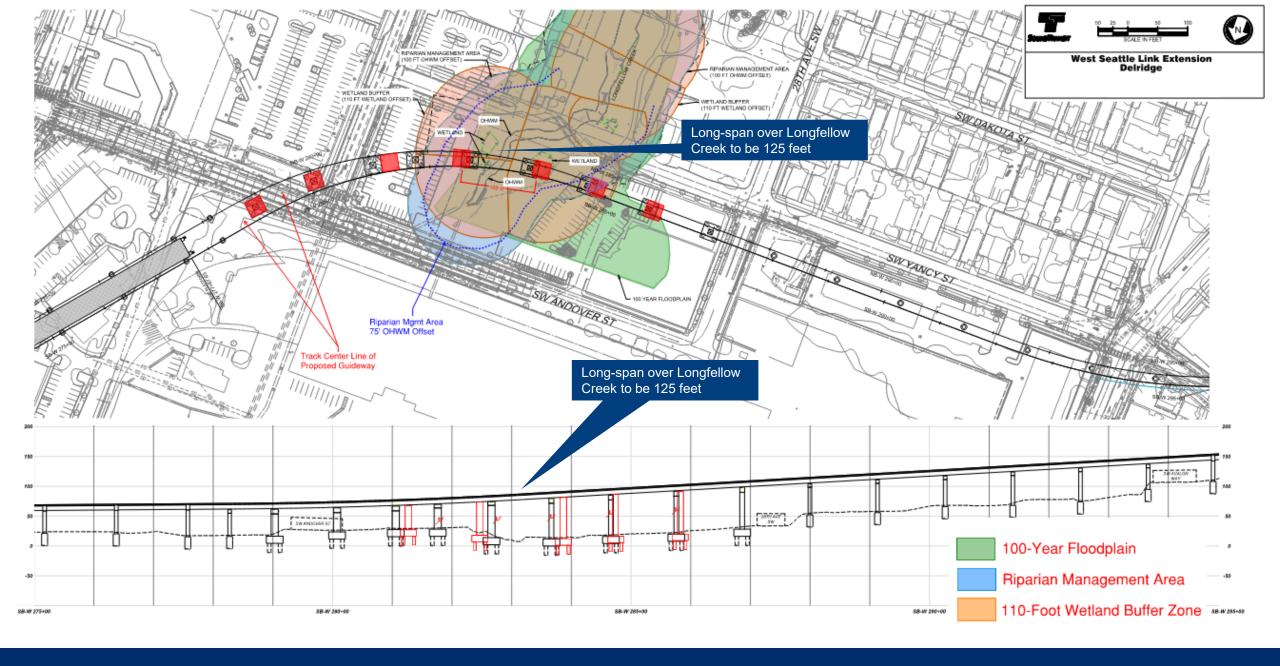


# Longfellow Creek in WSLE Project Limits

- Tidally backwatered
- Incised channel
- Disconnected from floodplain
- Dominated by invasive species
- Hemmed in by parking lots

## WSLE Longfellow Creek Crossing



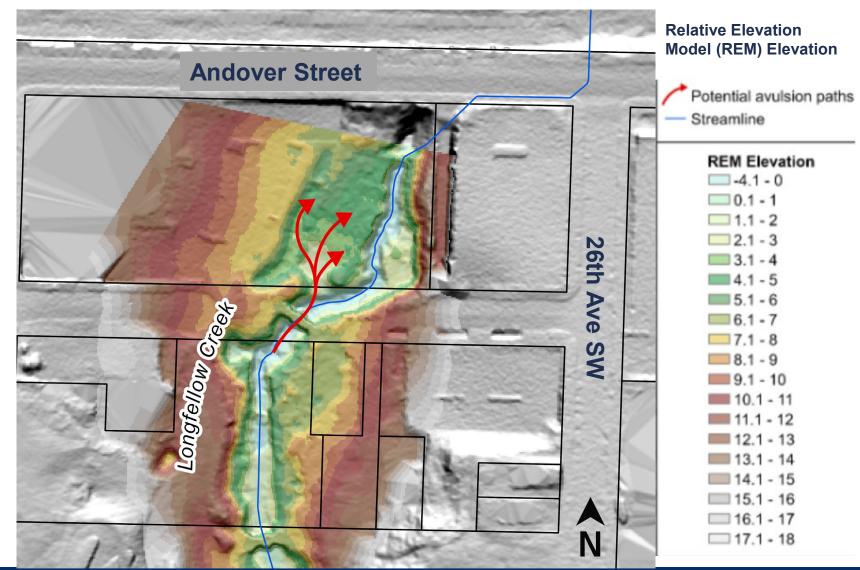


## Longfellow Creek: Tribal Coordination

#### Tribal Feedback:

- Must mitigate for stream impacts on site
- Allow the stream to migrate as it wants to

Longfellow Creek
Mitigation Study

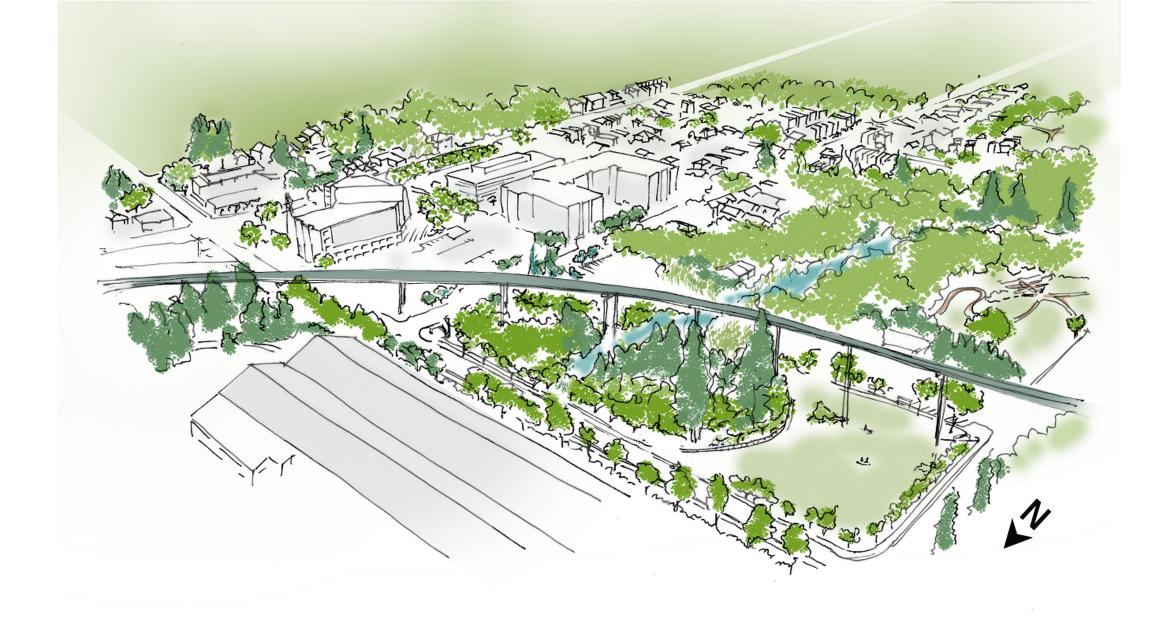


## Longfellow Creek Coordination

- Coordination on design with City of Seattle: 2022-2024
- Met with City of Seattle staff on site in March 2024
- Key Design Parameters from City of Seattle:
  - Longfellow Creek reconnected to its floodplain
  - Guideway column placement designed to allow for natural stream meandering
  - Fish and wildlife habitat and public green space enhanced
  - Permanently lost trees (due to guideway vegetation clear zone) replaced in kind to restore shading, habitat functions
  - No contamination will leach from former mill into the stream

## Longfellow Creek – Community Feedback

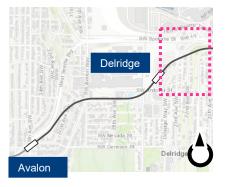
- Interest in preserving and protecting the Longfellow Creek watershed
- Interest in improving the health of Longfellow Creek, protecting salmon habitat, and including native plants
- Interest in reducing tree removal and adding additional trees
- Interest in including references to acknowledge Longfellow Creek and other natural areas near the station as part of station design; acknowledge ecology in placemaking at station



## Delridge Guideway

## Guideway between Pigeon Point and Delridge

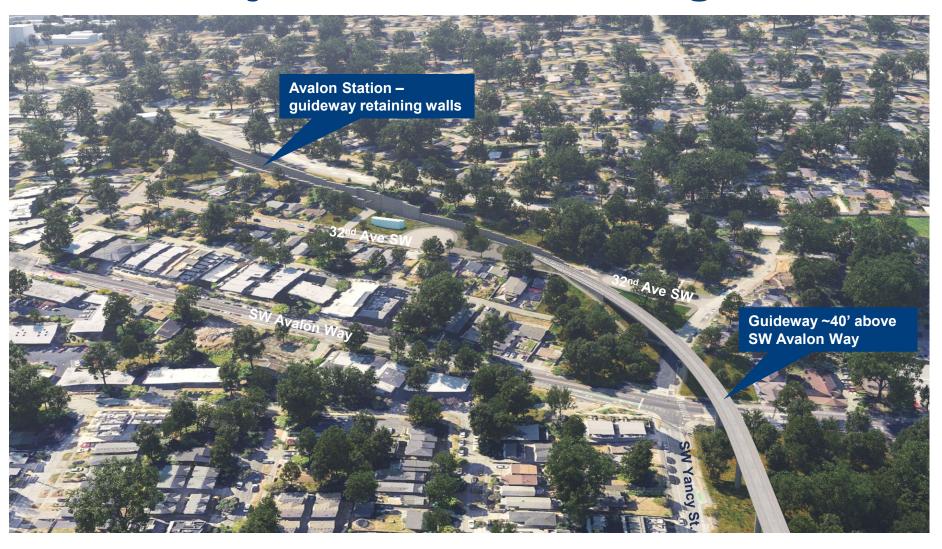








## Guideway between Delridge & Avalon









## Guideway between Delridge & Avalon



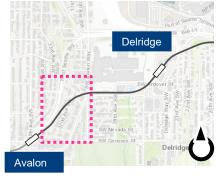






## Guideway between Delridge & Avalon





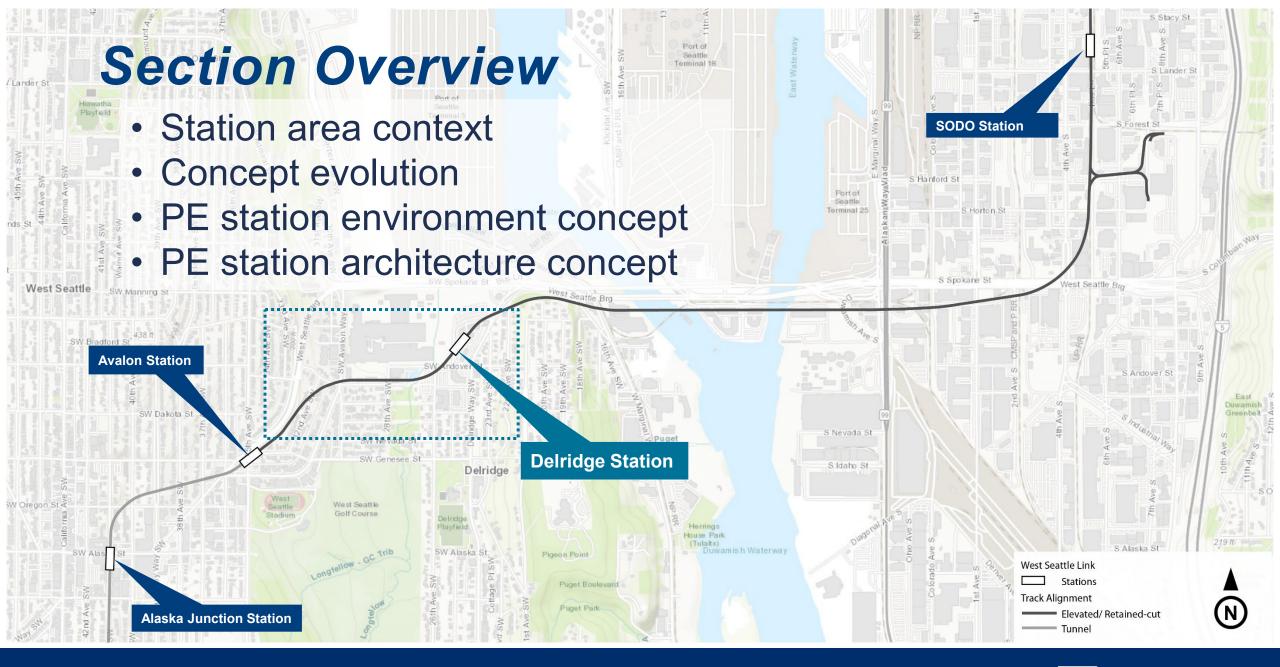




## Q&A / Discussion

# PE Design Review: Delridge Station

# Concept Evolution and Past Engagement

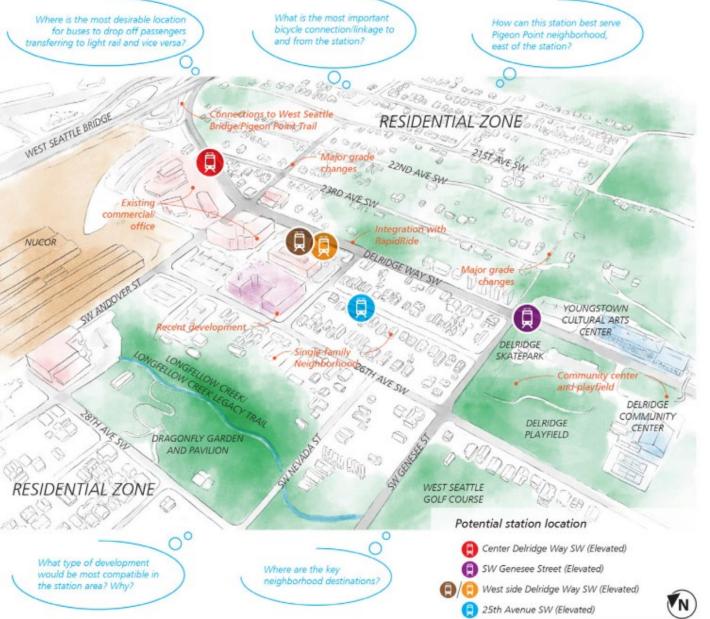




## Neighborhood









## Neighborhood

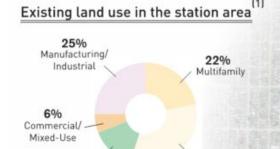


Neighborhood feedback gathered from in-person and on-line events during alternatives development 2018-2019.



## Area Context

Single Family



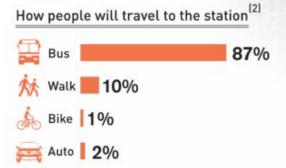
Ridership/daily boardings [2]

14%

Park



5,800





miles of

planned

10-minute bikeshed

existing

Living and working in [1,4] Bike facilities within [3] the station area 2040



Population

Households

Potential station location

1.600

2,400

1,100

#### Planning and design priorities can help frame how a station and station area will look and function

- Acknowledge the change brought by new light rail and leverage to meet longtime neighborhood goals
- Encourage intuitive and visible bike connections to the station entrances from existing/future bike network
- Optimize station layout to facilitate seamless transfers between buses and
- Provide convenient, and safe connections to open space and cultural assets
- Encourage the inclusion of family-friendly amenities in the station area
- Encourage and optimize opportunities for equitable transit oriented development to provide affordable housing and serve other community needs, such as a grocery store and space for other small businesses

#### Footnotes:

Planning

and design

priorities

- 1. Data based on combined 10-minute walkshed unless noted otherwise. Source: City of Seattle and Sound Transit.
- 2. Based on preferred alternative. Results for other alternatives are similar.
- 3. Bike facilities include multi-use trails, bike lanes, and neighborhood greenways within combined 10-minute bikeshed.
- 4. Based on PSRC future year forecasts and allocated to combined 10-minute walkshed

## Station Environment Design Guidelines

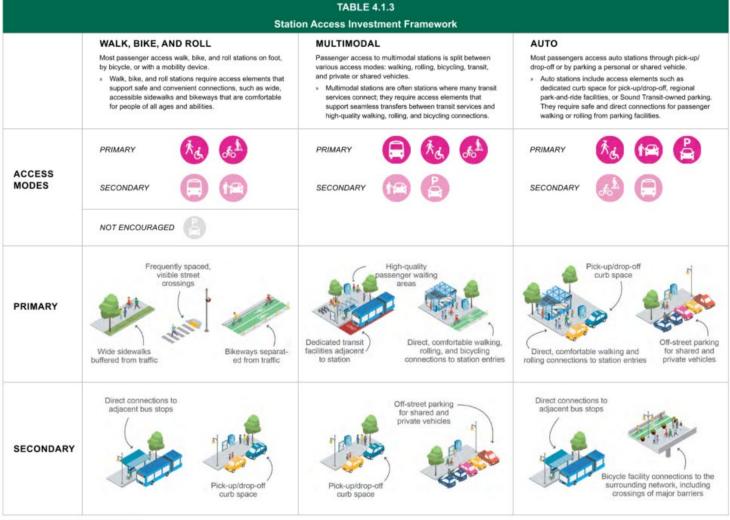
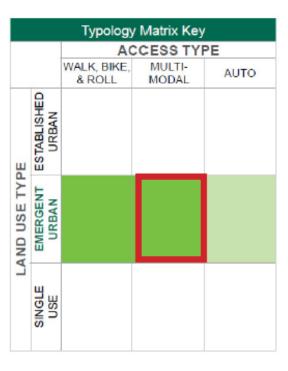
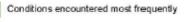


Table 4.1.3 Station Access Investment Framework



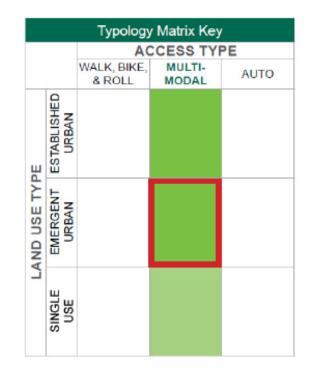
## Station Environment Design Guidelines

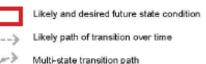


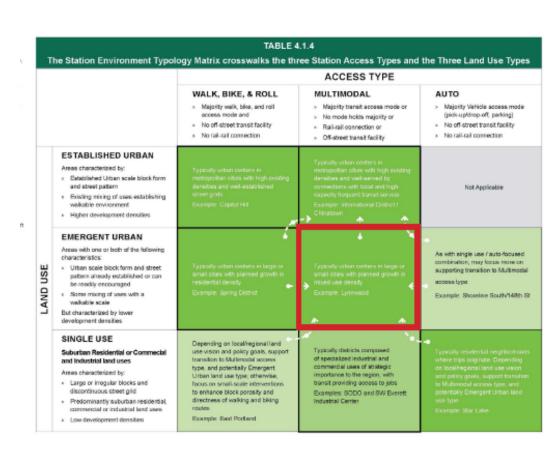


Potential new condition with transit investment

Conditions encountered less often







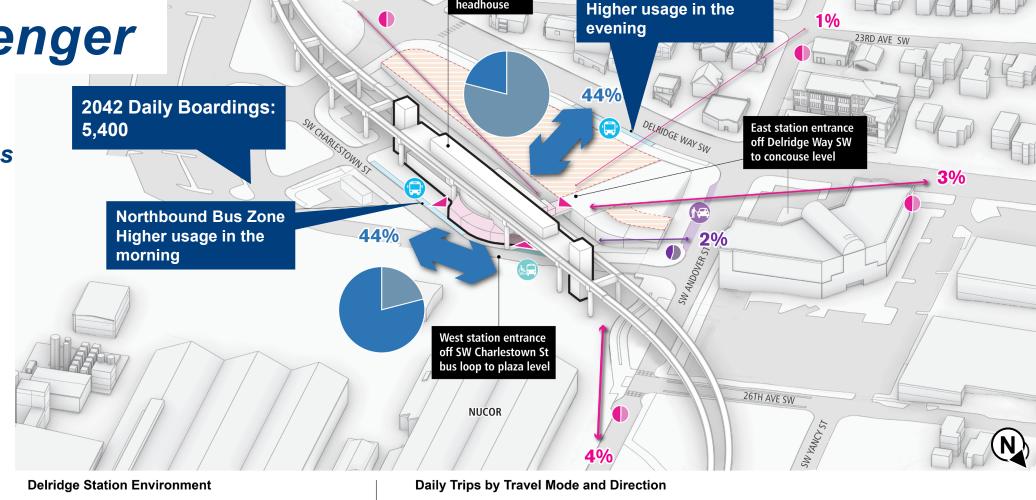
Passenger **Trips** 

#### Access Modes

88% Transfer **Bus-to-train** 

7% Walk 2% Bike

2% Auto



Single station

headhouse

1%



**Tunnel and Station Below** 



**Bus Zones** 



Station Entrance

Pick-Up/Drop-Off Area



Potential Transit-Oriented Development (TOD)



Paratransit

**Travel Mode and Direction** 



Walk

Pick-Up Drop-Off



Number of

**Peak Hour Trips** 

Percent of **Daily Trips** 

XX%

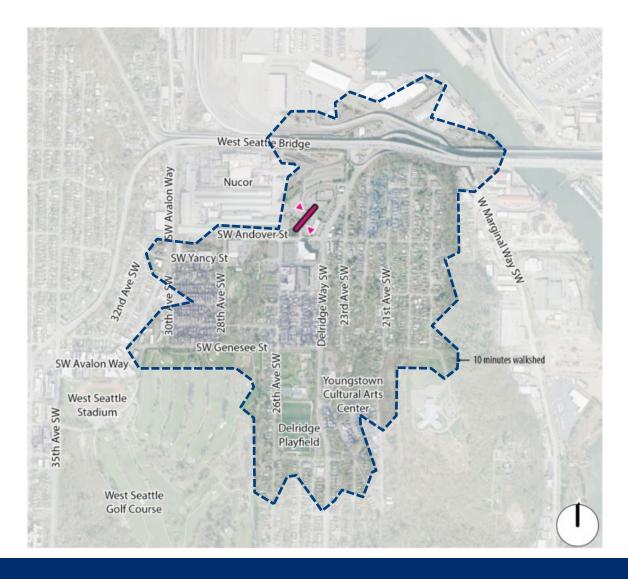
**Southbound Bus Zone** 

Note: Station access calculations based on the station design as of May 2023. Percentages may not add up to 100% due to rounding. Walk distribution indicates general directional assumption, not routing along specific streets.

Arrows and pie charts are scaled based on percent of daily trips.



#### 10-Minute Walkshed



#### Area Bike Infrastructure



## **DEIS Concept:** Elevated Andover



TUNNEL STATION PLATFORM



**TUNNEL GUIDEWAY** 



STATION ENTRY POINT



STATION ENTRANCE



**ACTIVE FRONTAGE** 



PEDESTRIAN-FOCUSED PUBLIC REALM



PEDESTRIAN CONNECTION





SIGNALIZED INTERSECTION AND/OR



BUS ROUTE(S)



**ACTIVE BUS BAY PARATRANSIT** 



PICK UP / DROP OFF



**EXISTING BICYCLE FACILITY** FUTURE BICYCLE FACILITY



**BICYCLE AND PERSONAL MOBILITY STORAGE** 



PARK / OPEN SPACE



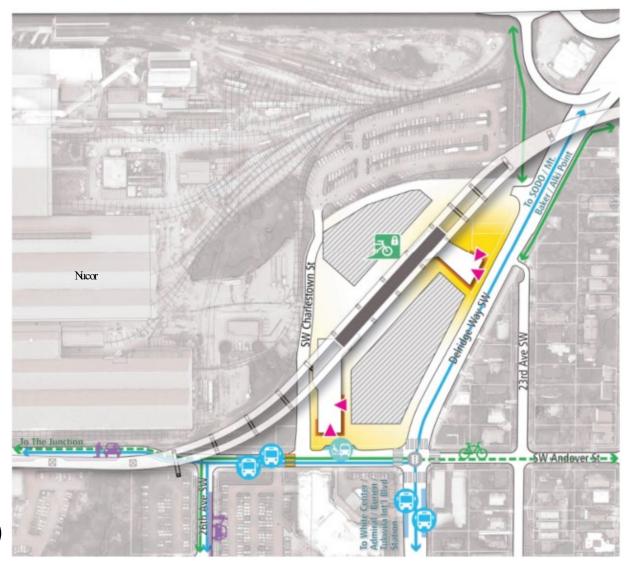
POTENTIAL TRANSIT-ORIENTED DEVELOPMENT



TRACTION POWER SUBSTATION (TPSS)



West Seattle Bridge





## **Board Direction** for Further Study



TUNNEL STATION PLATFORM



**TUNNEL GUIDEWAY** 



STATION ENTRY POINT



STATION ENTRANCE



**ACTIVE FRONTAGE** 



PEDESTRIAN-FOCUSED PUBLIC REALM



PEDESTRIAN CONNECTION



SIGNALIZED INTERSECTION AND/OR



BUS ROUTE(S)

**ACTIVE BUS BAY** 



**PARATRANSIT** 



PICK UP / DROP OFF



**EXISTING BICYCLE FACILITY** FUTURE BICYCLE FACILITY



BICYCLE AND PERSONAL MOBILITY STORAGE



PARK / OPEN SPACE



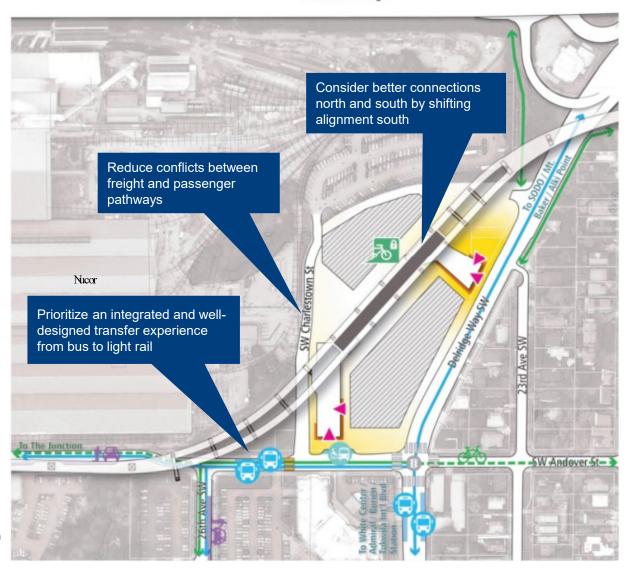
POTENTIAL TRANSIT-ORIENTED DEVELOPMENT



TRACTION POWER SUBSTATION (TPSS)



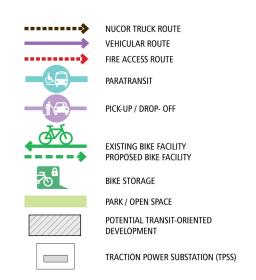
West Seattle Bridge

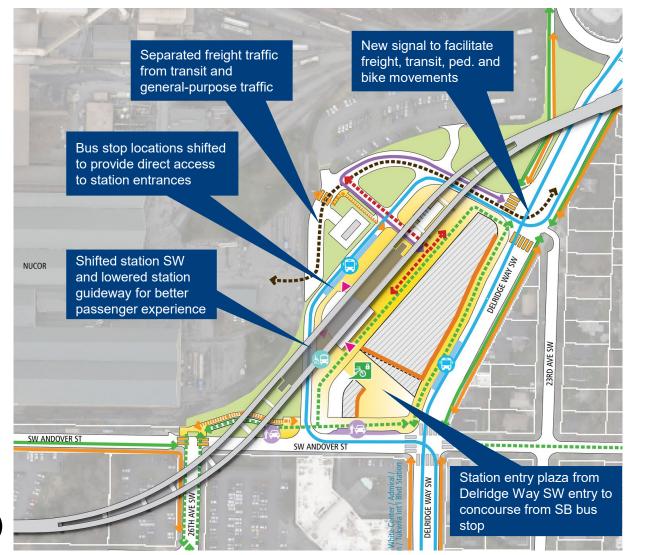




## PE Concept





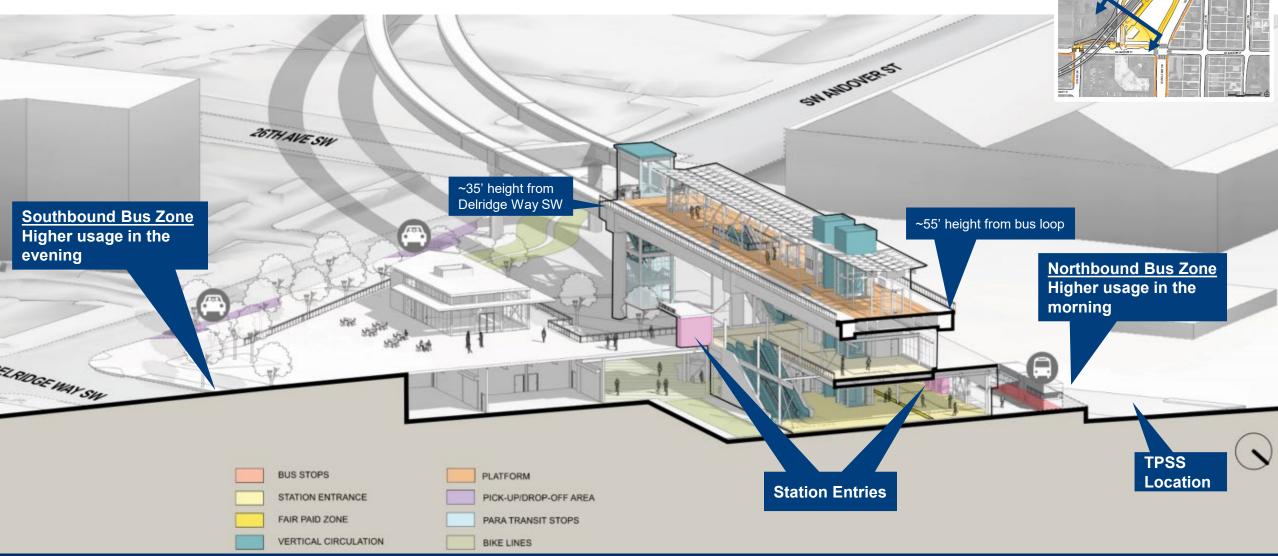






## PE Concept Design

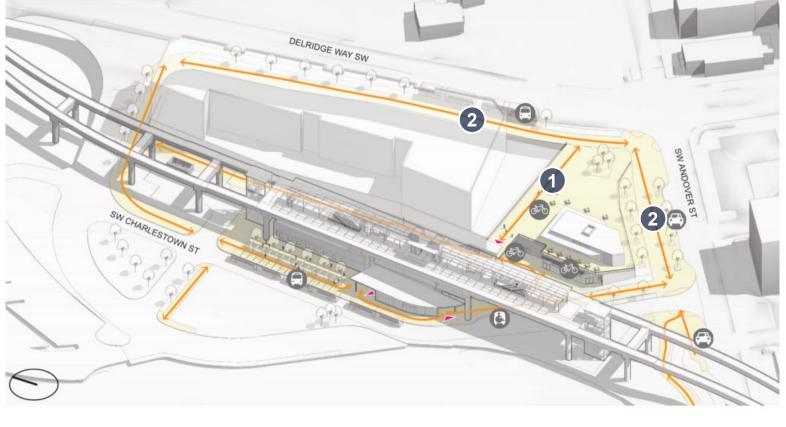
# Responding to the site...





### **Pedestrian Circulation**





- Direct connection between Delridge Way SW and SB transit stop, connects to concourse level
- Sidewalk widened (18' min.) on station frontages per SEDG and Streets Illustrated

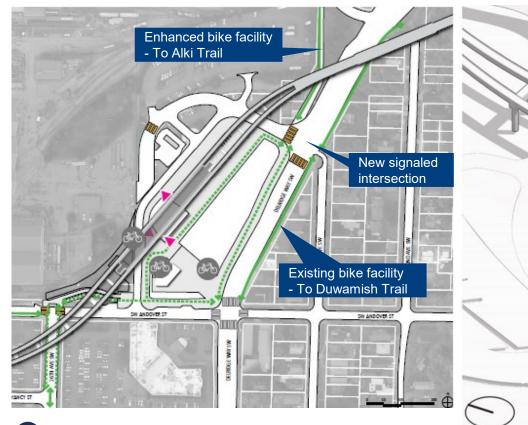




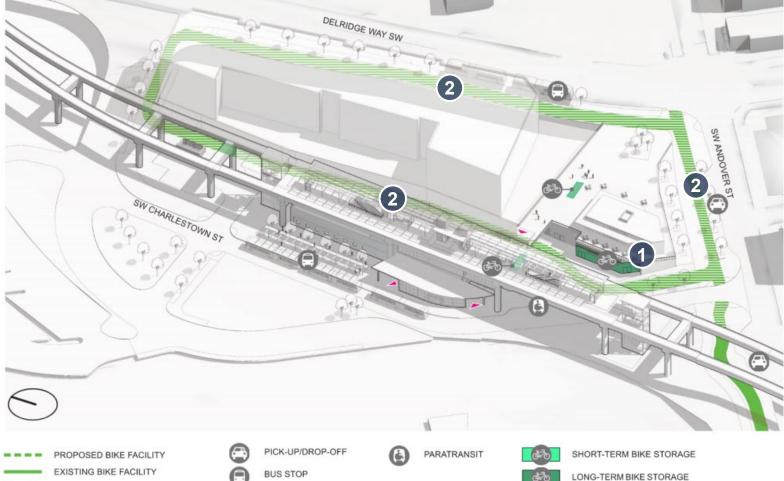


### Bike Access and Storage

SHARED-USE PATH

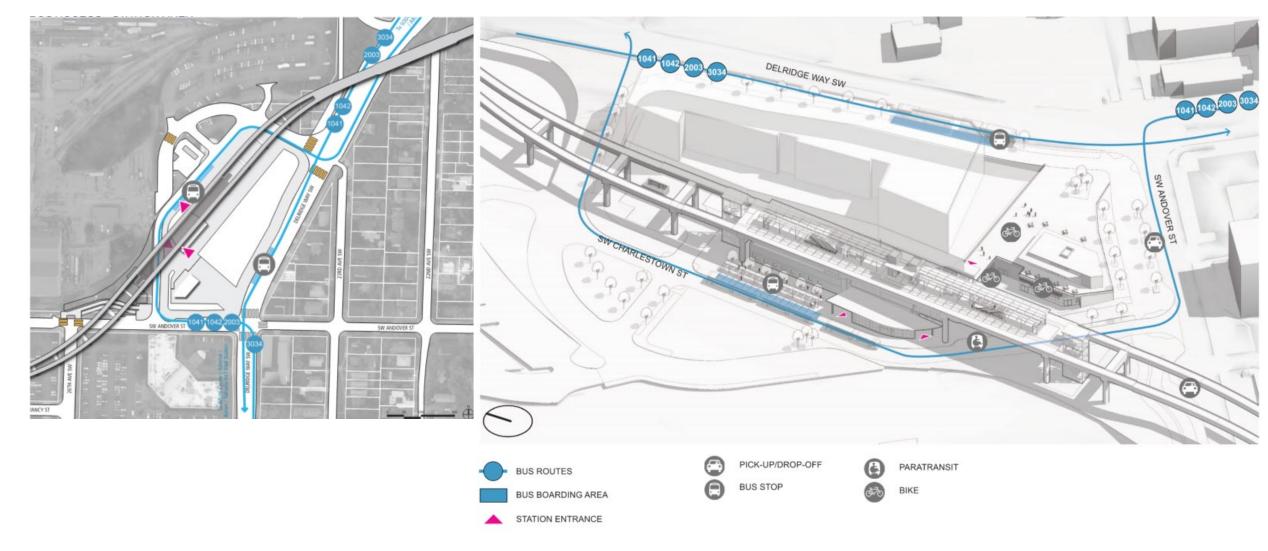


- 1 Long-term secure bike storage at lower plaza level
- Shared use paths provide optionality and connections to existing bike paths and green streets

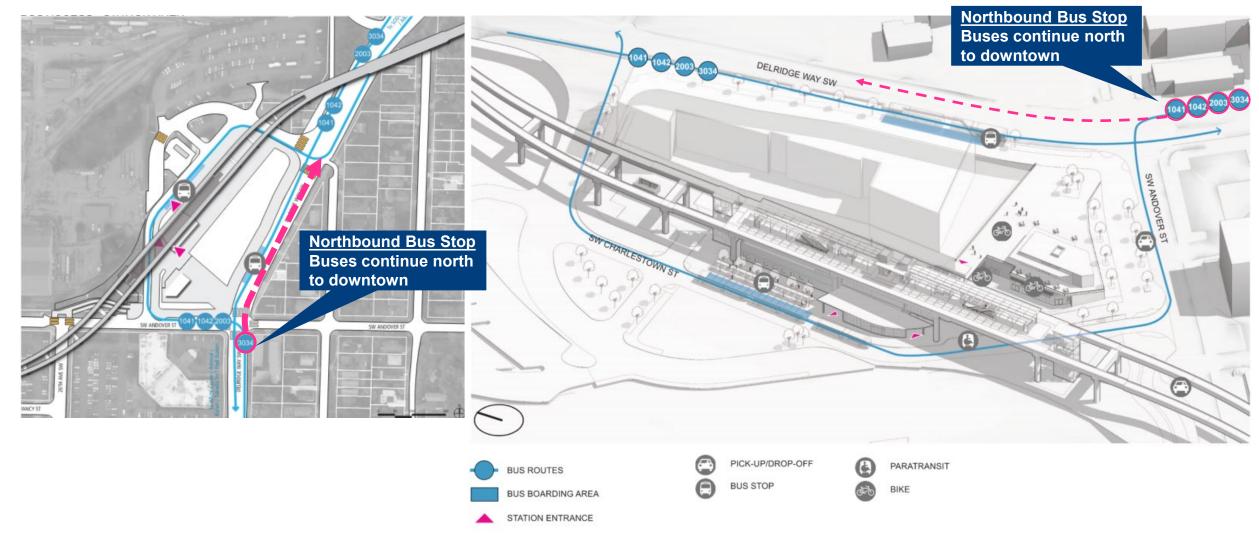


STATION ENTRANCE

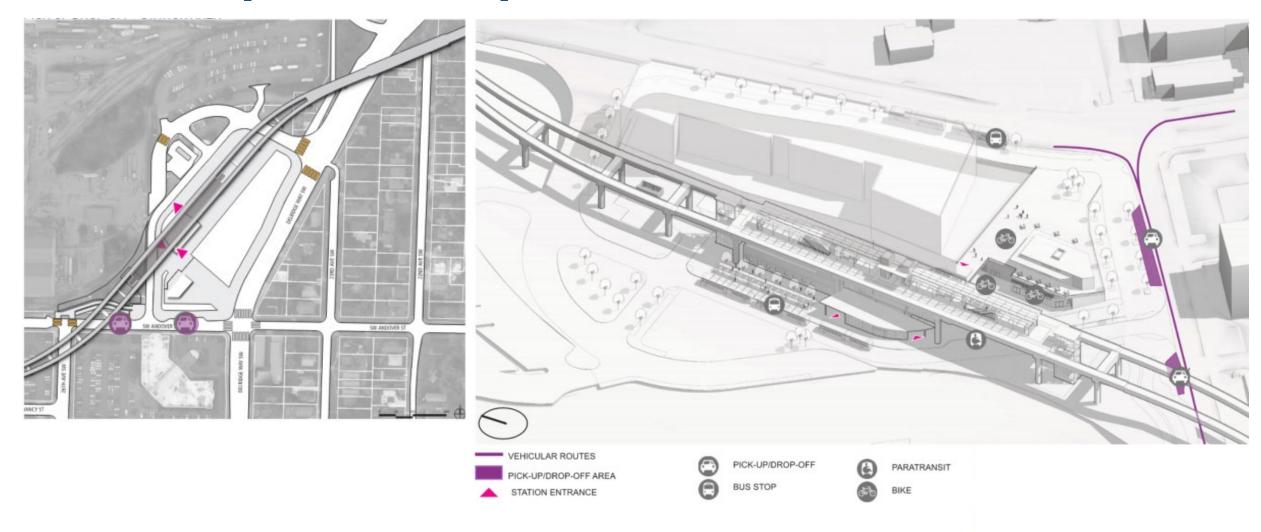
### Transit Integration



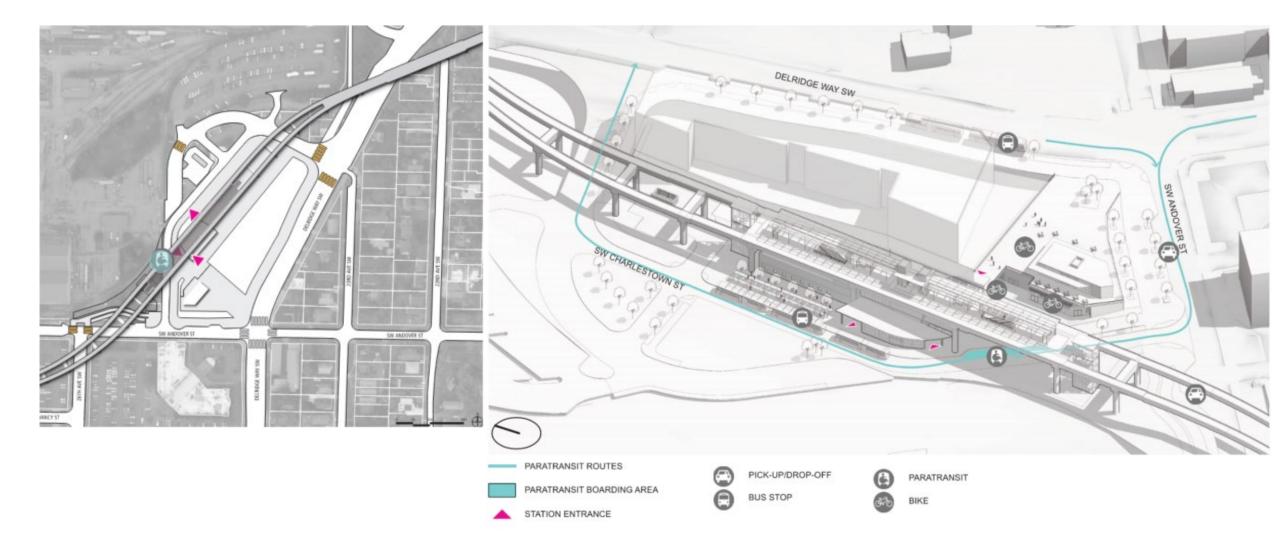
### Transit Integration – Prior to BLE Opening



### Pick-up and Drop-off



### **Paratransit**



### Station Public Realm

### LEGEND



EXISTING STREET TREE



PROPOSED STREET TREE



PROPOSED PLANTING AREA



POTENTIAL TRANSIT ORIENTED DEVELOPMENT



BICYCLE RACK



**BUS SHELTER** BENCH



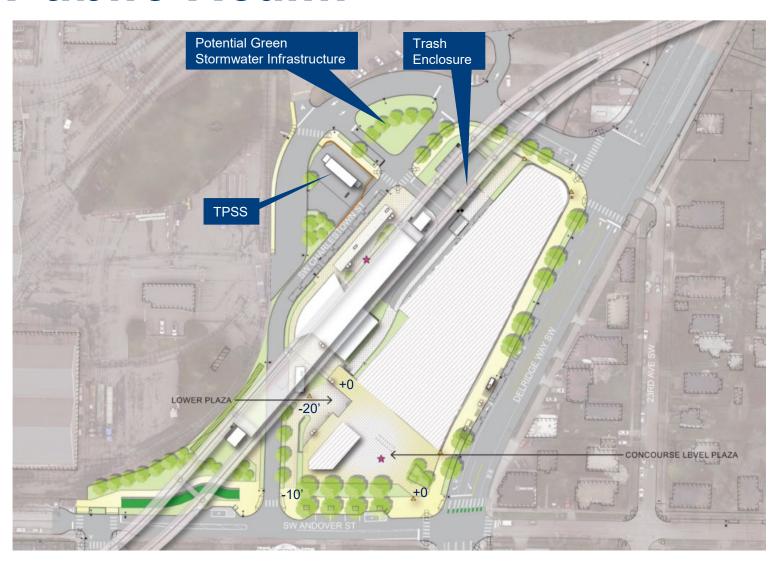
LEANING RAIL AND WEATHER PROTECTION



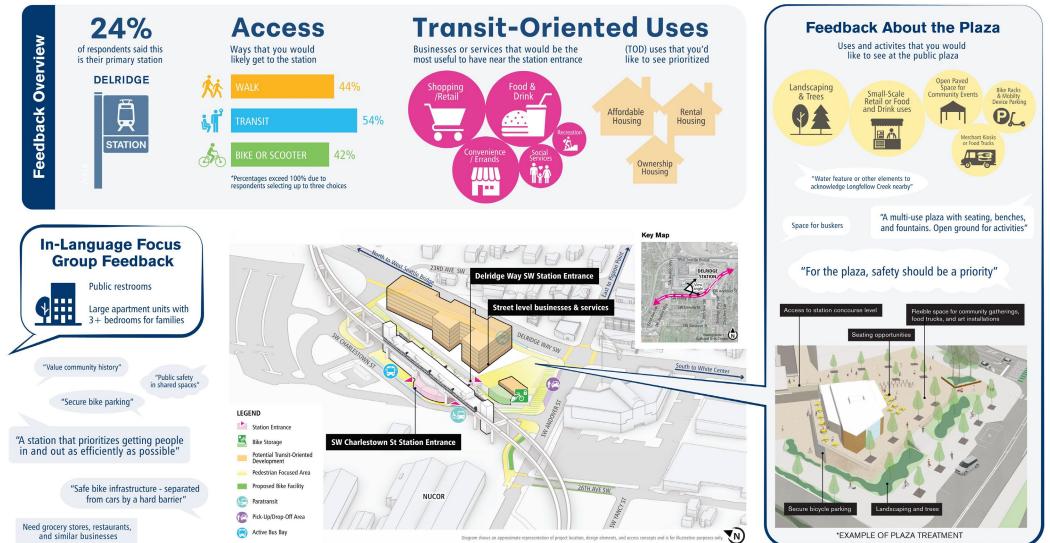
WAYFINDING SIGN



OO TRASH RECEPTACLE



# Key Themes from Fall 2023 Engagement



### Station Public Realm Concept





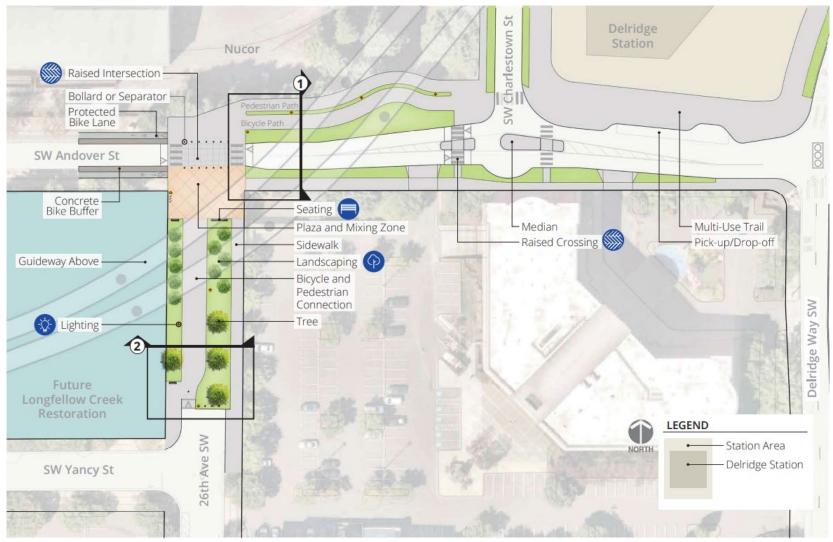
Key Plan



<sup>\*</sup> Future development opportunity not to be constructed as part of transit project

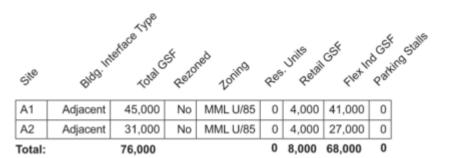


### SW Andover St. / 26th Street Concept - SDOT





### TOD Concept - Existing Zoning





### TOD Concept - Community Feedback

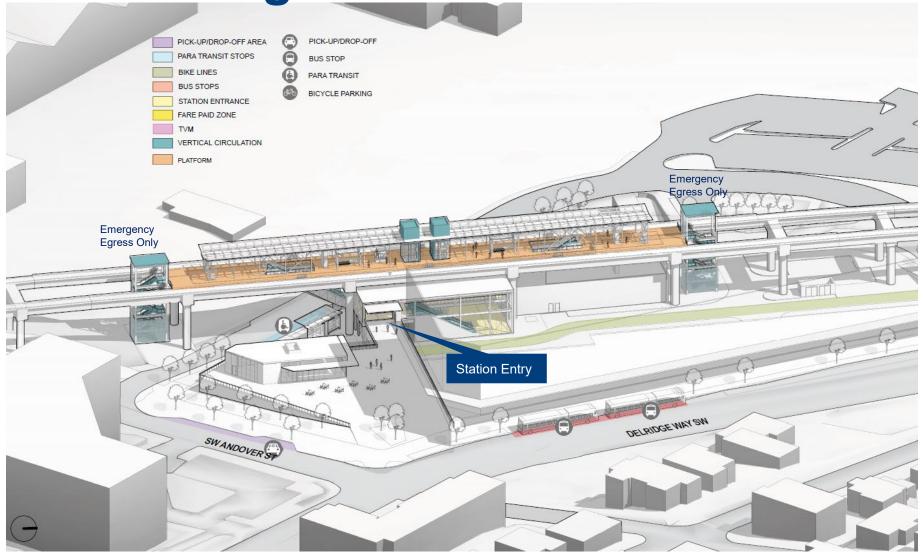


A1	Adjacent	148,300	Yes	NC3-85	145	22,550	220
A2	Adjacent	2,500	Yes	NC3-85	0	2,500	

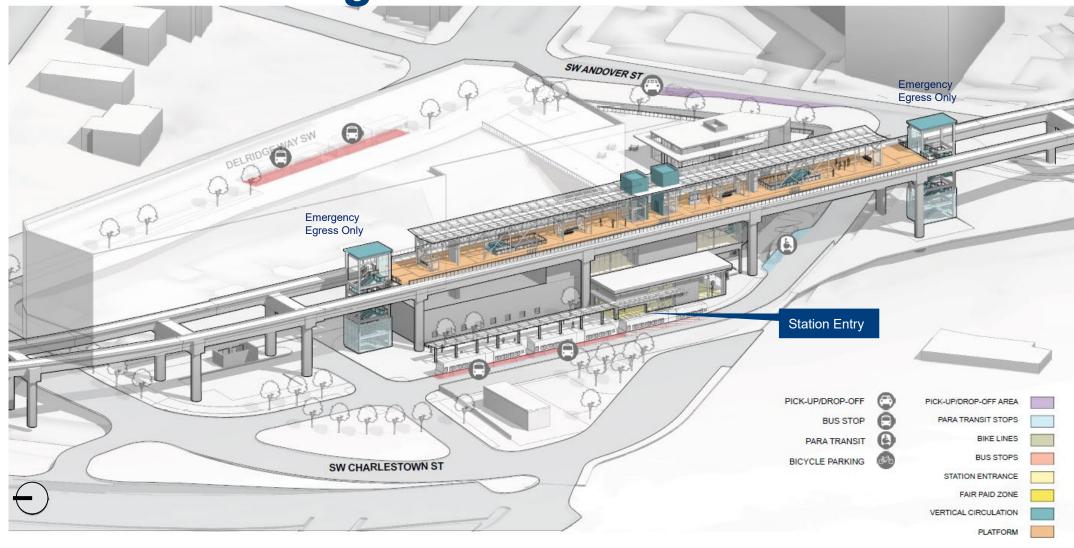
Total: 150,800 145 25,050 220



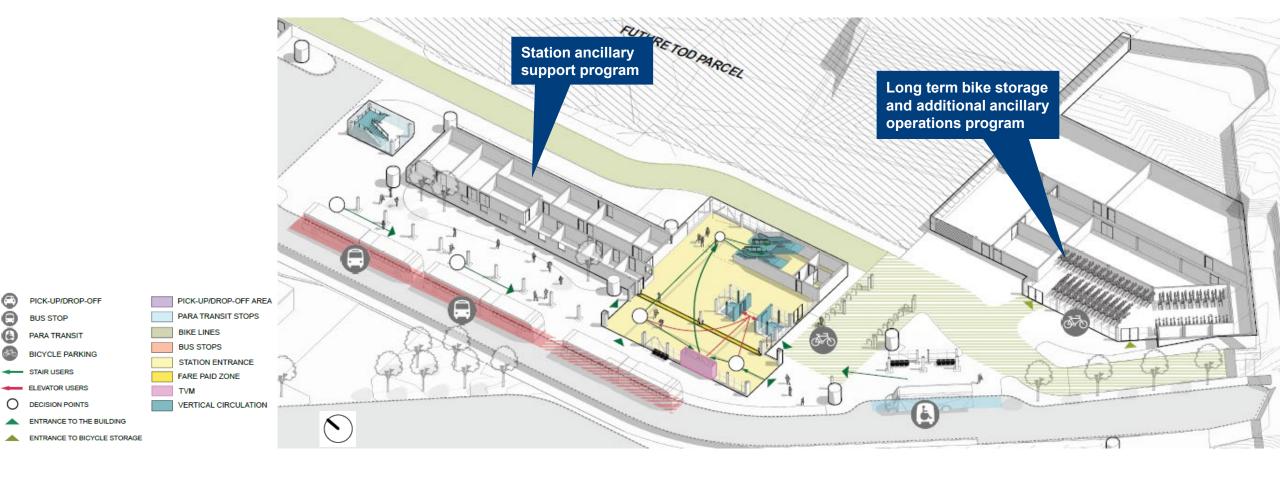
Station Configuration – SW Overview



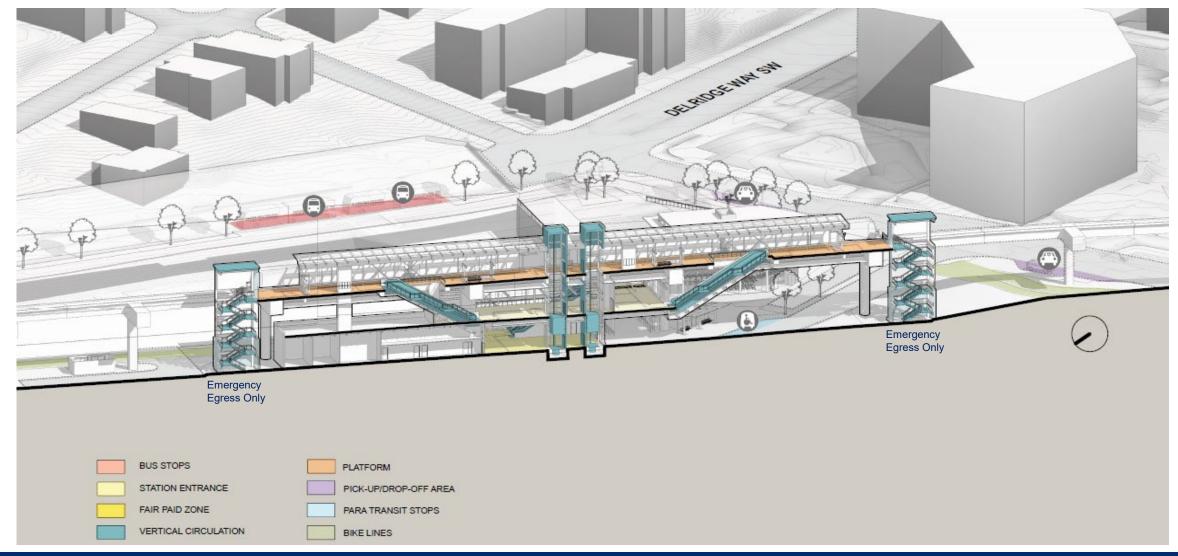
Station Configuration – NE Overview



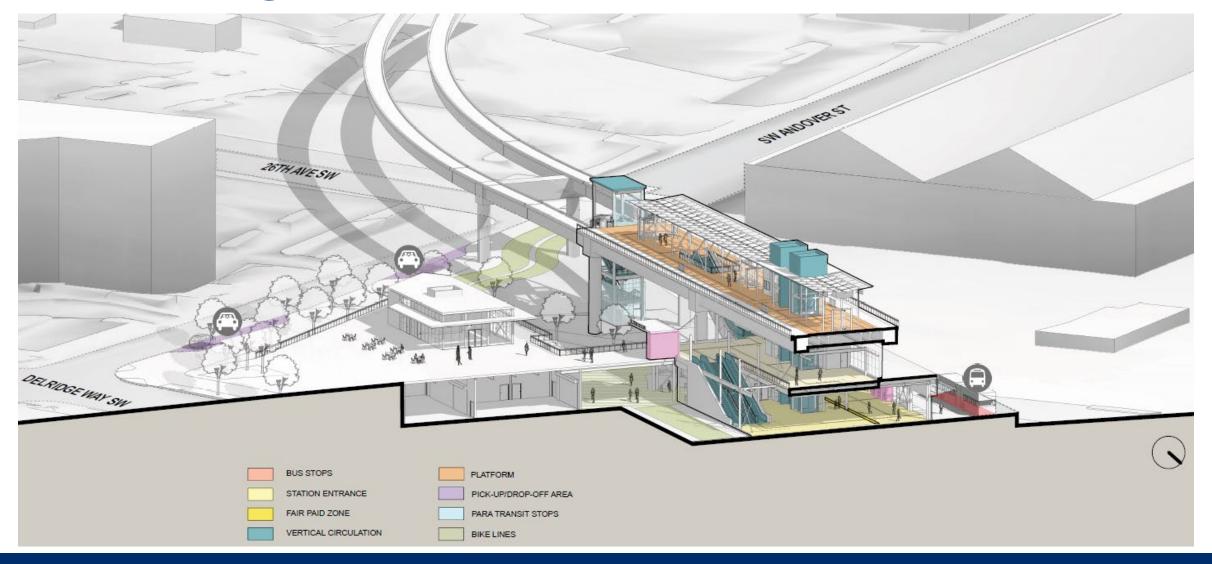
### Passenger Circulation: Lower Level



### Passenger Circulation: Vertical Transportation



### Passenger Circulation: Vertical Transportation



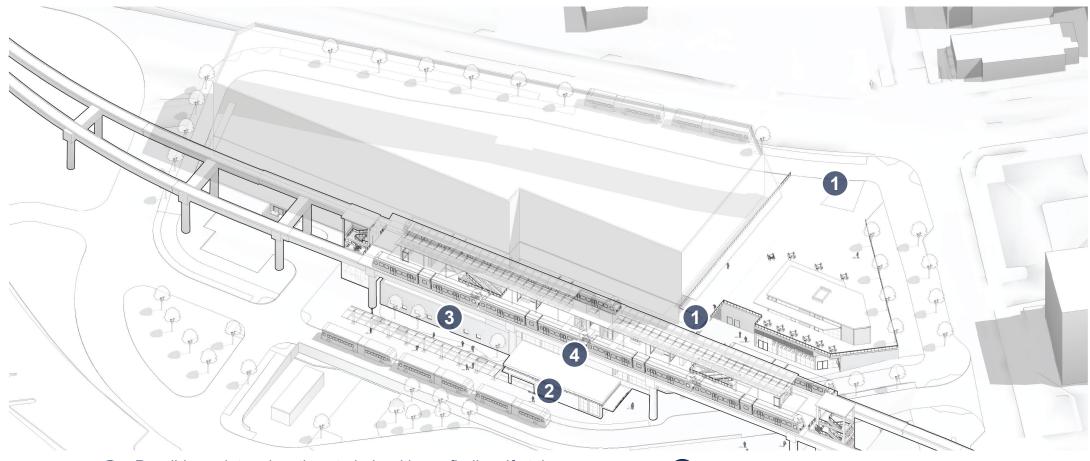






# Station Entry from Delridge Way SW DEURIDGE STATION

### Public Art: Early Planning



- Possible sculpture locations to help with wayfinding. If at the station entrance, may be incorporated into façade.
- Bus-transit level lobby opportunities in curtainwalls and on other interior surfaces.

- 3 Large wall surface adjacent to bus loading area.
- Temporary exhibition spaces (lightboxes, etc.)

### Public Art: Approaches

### A Prompt for Artists: Consider the Journey

- Make a connection to the surrounding neighborhood – people, natural areas and the built environment
- Guide passengers into the station and help them navigate their way to the right place
- Make the experience inviting and pleasant

**Top**: Light Artwork, Tory and Eroyn Franklin (Star Lake Station, Federal Way) **Bottom**: Photo Synthesis, Vicki Scuri Siteworks with Alexandr Polzin (South Bellevue Station)





# Q&A / Discussion

# Thank you.



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