



The Southwest Corridor Light Rail Project



Project Principles



Conceptual Design Report (CDR)

Preliminary designs for:

- Overall vision
- Project benefits
- Stations
- Major structures
- Other corridor improvements

- Public engagement tool to inform future design



Conceptual Design Report (CDR)

Conceptual Design Report

- ✓ Project principles and preliminary designs
- ✓ Public-friendly diagrams and sketches
- ✓ Broader understanding of project improvements

Environmental Impact Statement

- ✓ Impacts and mitigations
- ✓ Engineering drawings
- ✓ Detailed documentation of all impacts and changes

Moving more people, more places



10 miles

of new sidewalks



6 miles

of improved bike facilities



1.6 miles

of transit-only lanes



2,000

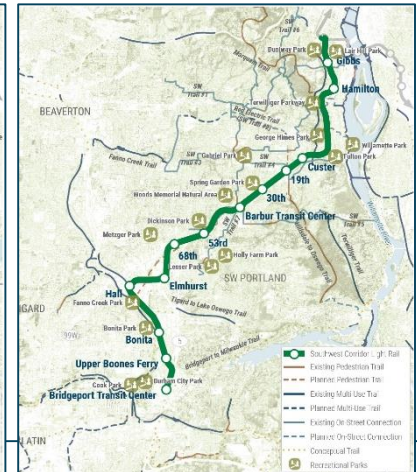
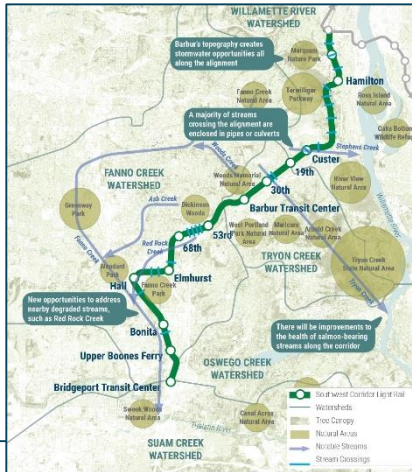
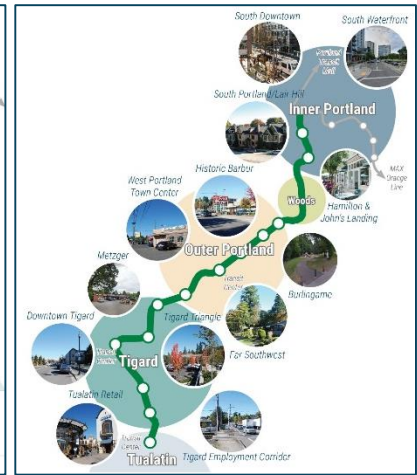
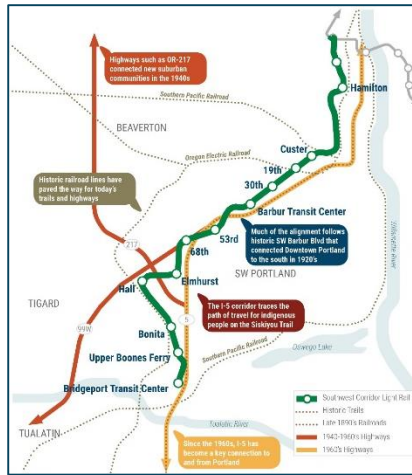
Park & Ride spaces

Project Overview



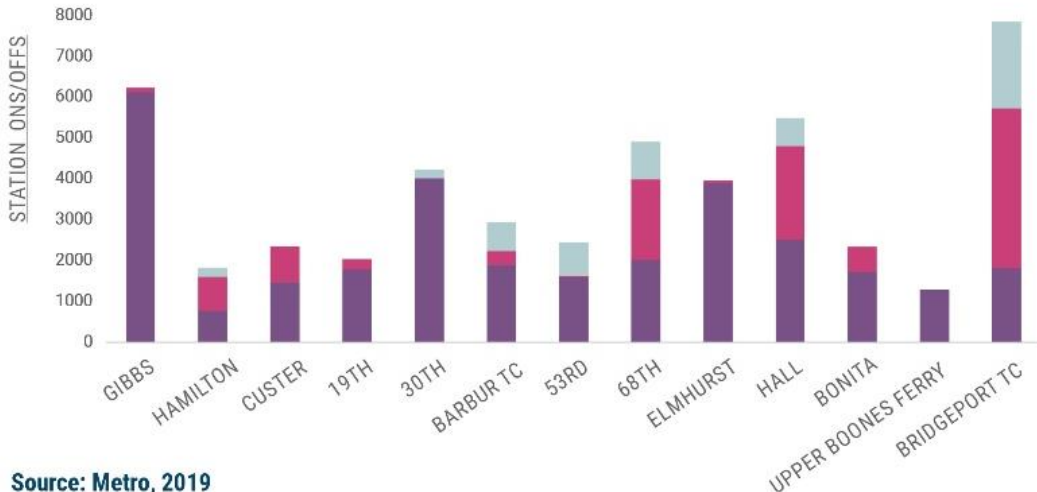
Corridor Context

- History
- Neighborhoods and Communities
- Natural Features
- Trails and Parks

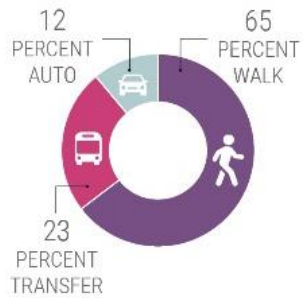


2035 Station Ridership

37,500
trips per day by 2035



Total Mode of Access (Ons/Offs)



Legend

- Walk
- Transfer (Bus/WES)
- Auto (Park & Ride, Pick-up/ Drop-off)

Source: Metro, 2019

Walking and Biking



Station Access Hierarchy

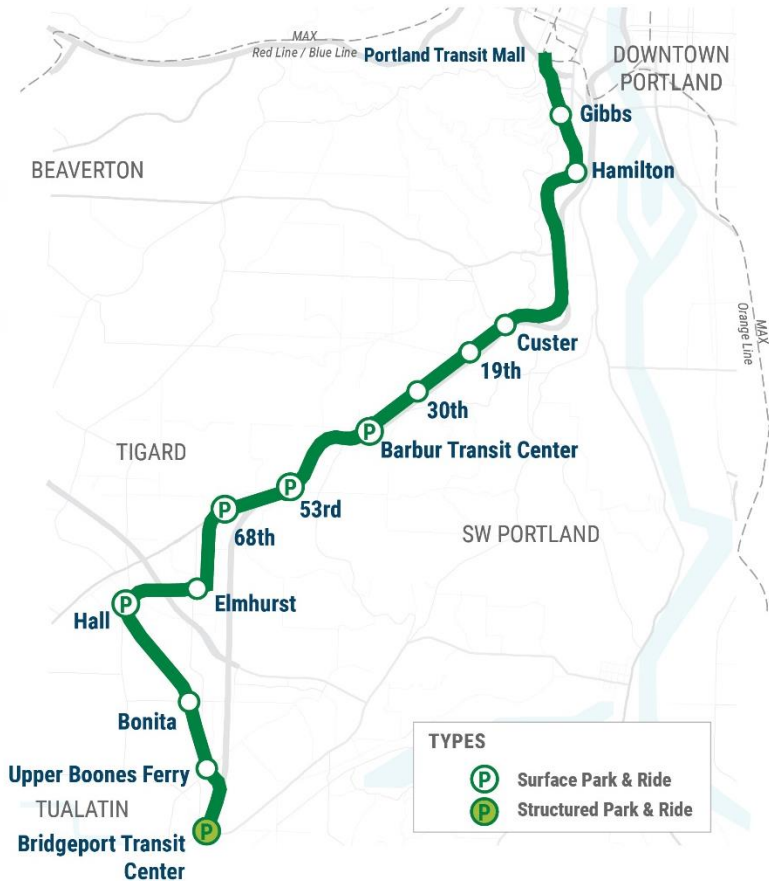


Station Access

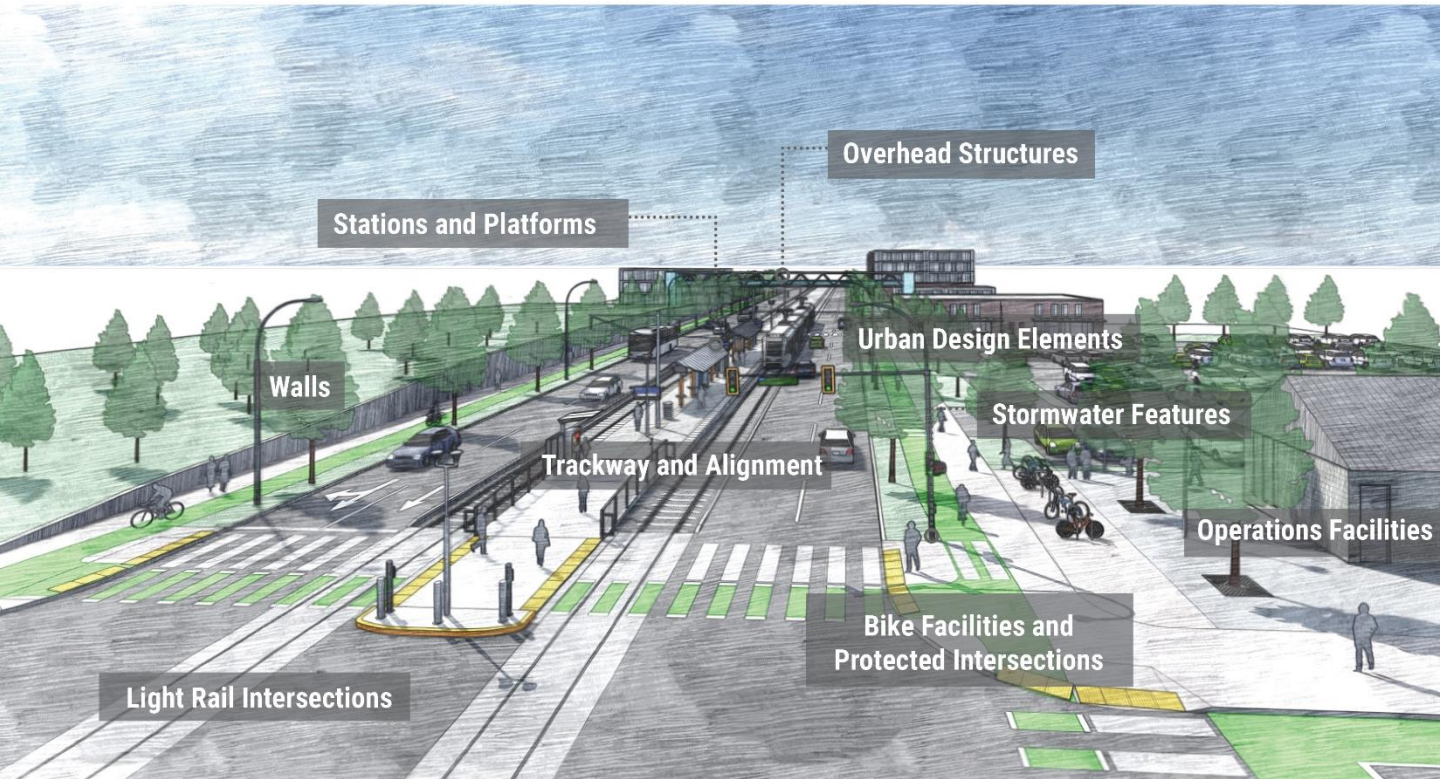
Park & Rides

Station Name	Existing	Proposed Maximum Quantity
Barbur Transit Center	368	up to 300
53rd Avenue	0	up to 310
68th Avenue	0	up to 350
Hall Boulevard	0	up to 100
Bridgeport Transit Center	368	up to 960
Total Spaces		up to 2,020

All station surface lots except Bridgeport Transit Center.

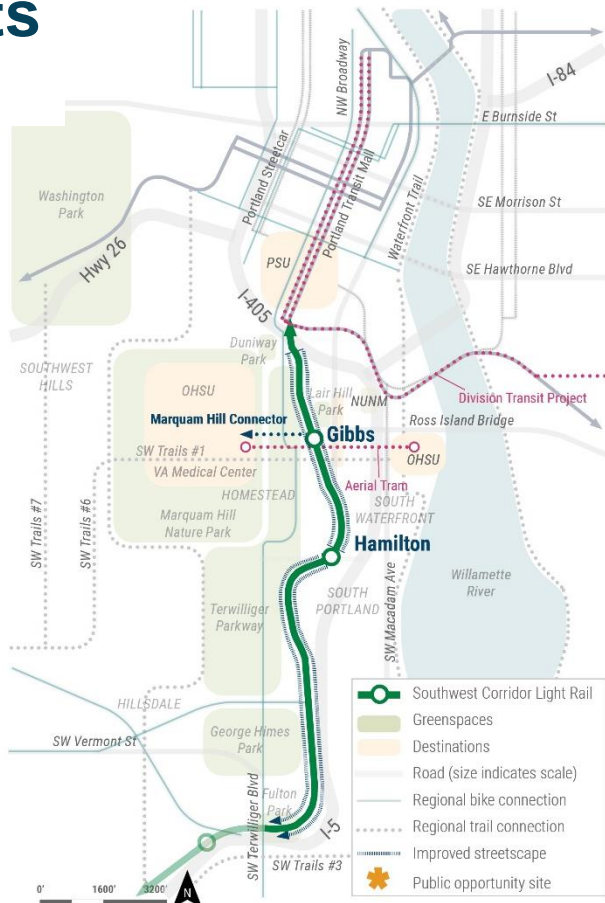


Design Elements



Station Design Concepts

Inner Portland



Inner Portland - Downtown Tie-In



SW Grant St

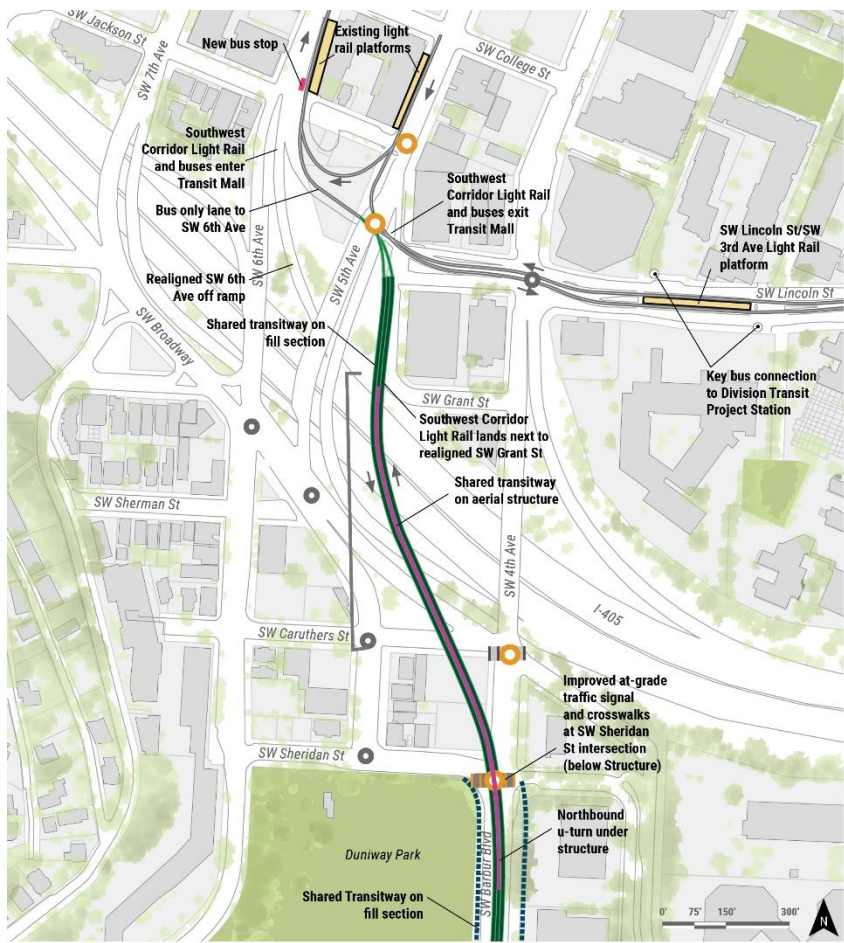
I-405

On-Ramp

SW Broadway

SW Caruthers St

Inner Portland Downtown Tie-In



Inner Portland Gibbs Street Station



Marquam Hill Connector



Green Ribbon
Committee and
Public Process
Feb – June 2019

Narrowed to 2
connector types

Marquam Hill Connector

Two current option types



Inclined Elevator

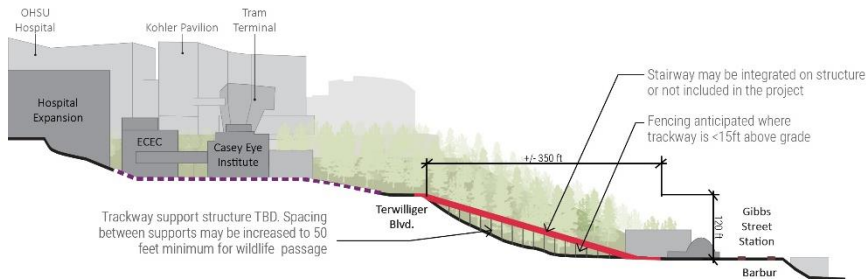
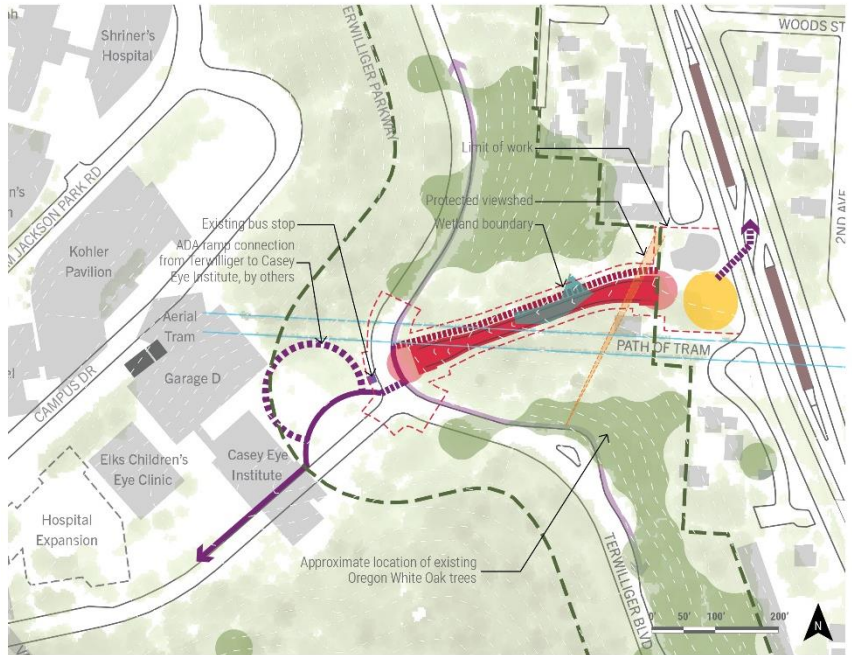


Bridge and Elevator

Inclined Elevator



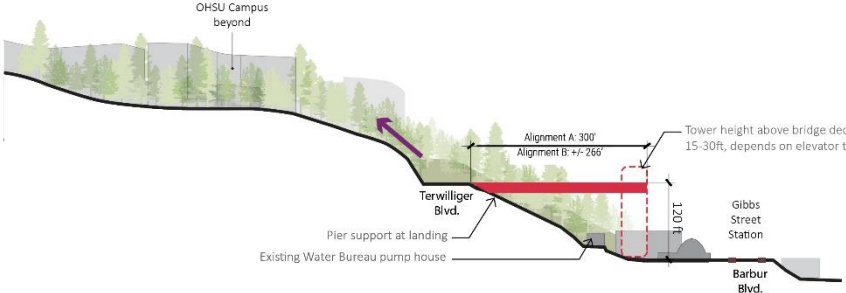
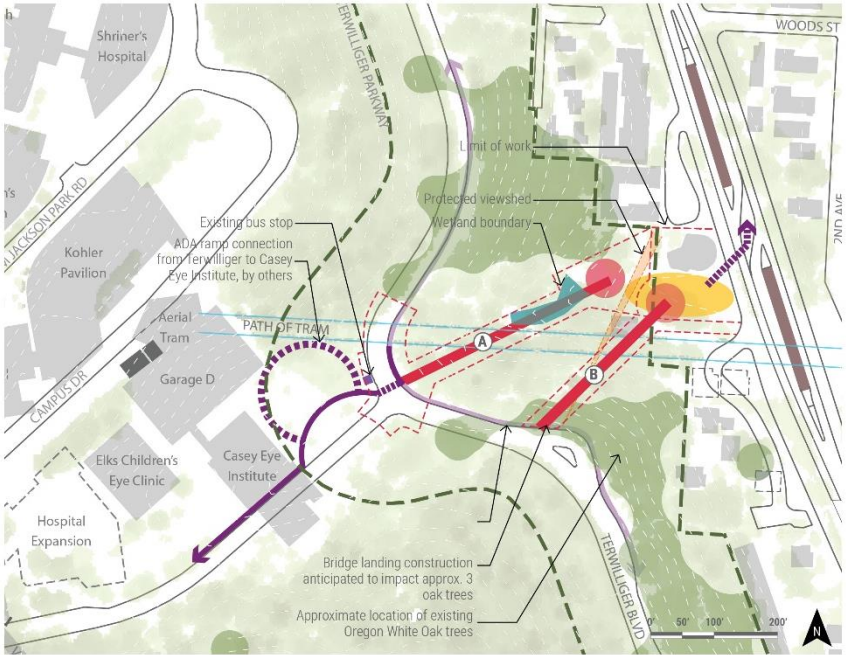
- █ Inclined Elevators Alignment
- Inclined Elevators Landing
- █ Integrated Stairs
- █ Path of Pedestrian Travel
- █ Existing Path of Pedestrian Travel
- █ Platform
- Plaza



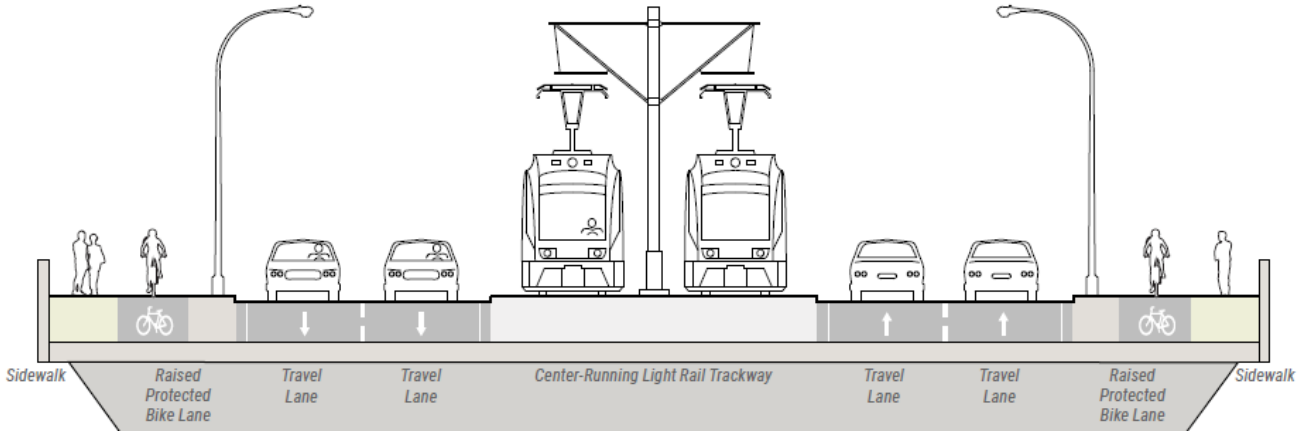
Bridge and Elevators



- Bridge and Elevators Alignment
- Bridge and Elevators Landing
- Integrated Stairs
- Path of Pedestrian Travel
- Existing Path of Pedestrian Travel
- Platform
- Plaza



Inner Portland Viaducts



Station Design Concepts

Outer Portland

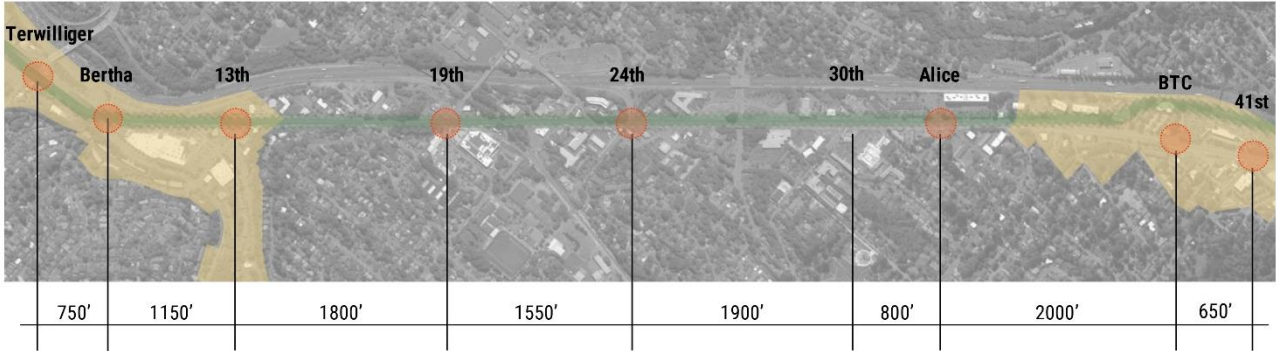


Pedestrian Improvements

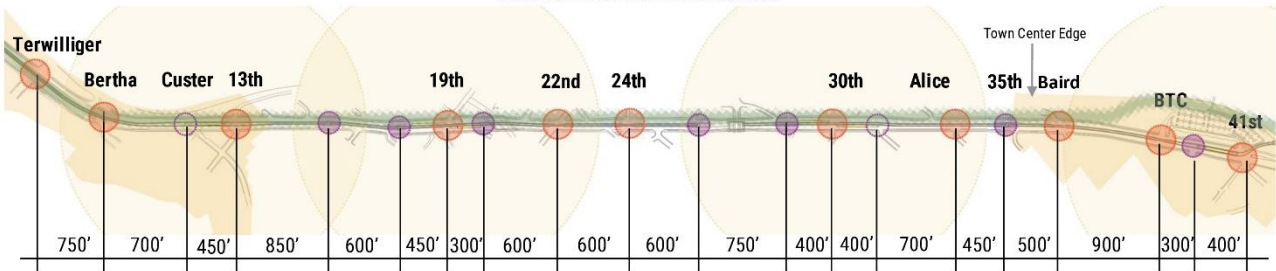
Barbur Blvd

- LEGEND
- Southwest Corridor Light Rail
 - Pedestrian District
 - Traffic Signal (Vehicular Intersection)
 - Enhanced Pedestrian Crossing (Full Crosswalk)
 - Enhanced Pedestrian Crossing (Half Crosswalk to Platform)
- 500' Spacing between Marked Crossings (feet)

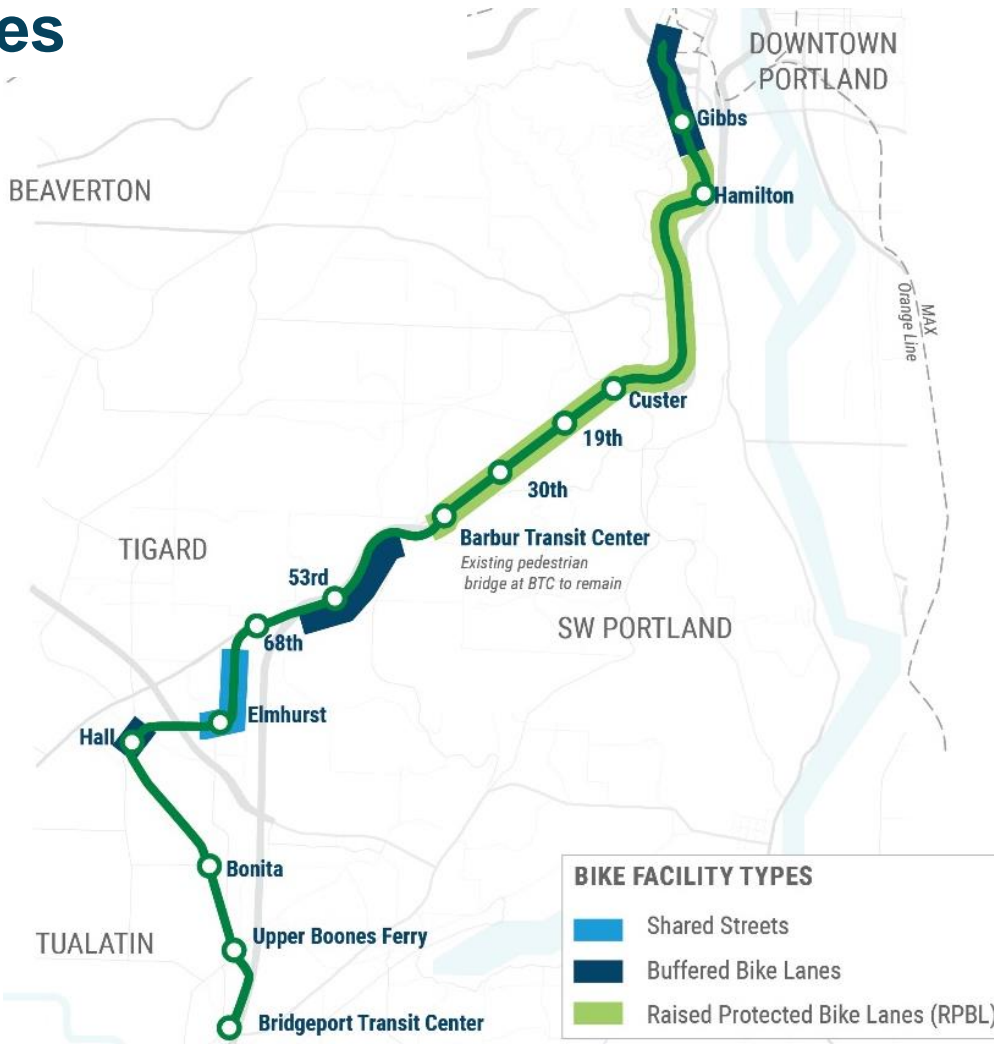
EXISTING SIGNALIZED INTERSECTIONS



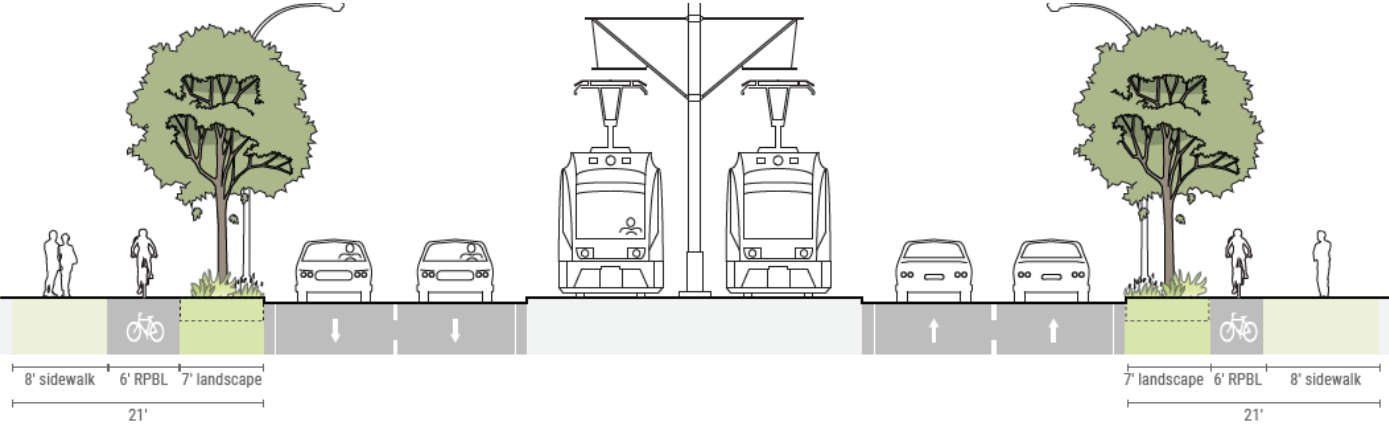
PROPOSED PEDESTRIAN CROSSINGS



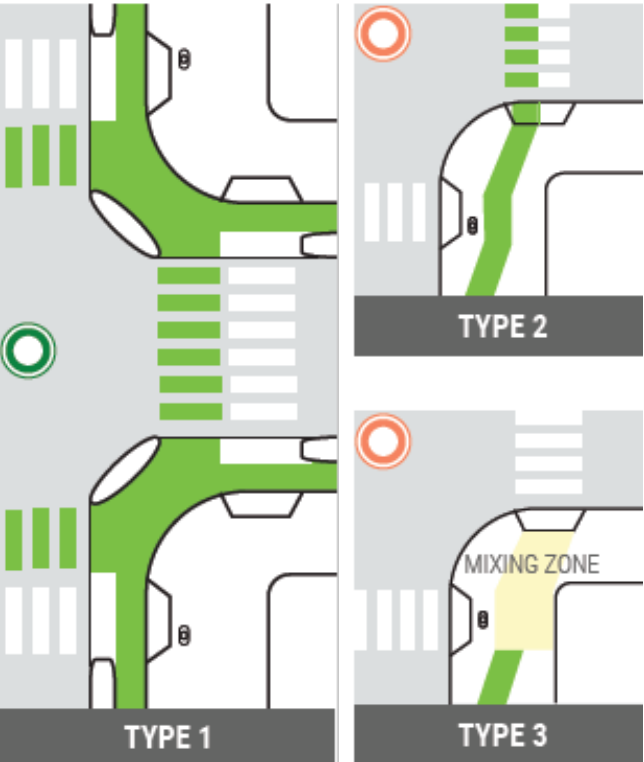
Bike Facilities



Raised Protected Bike Lanes (RPBL)



Protected Intersections

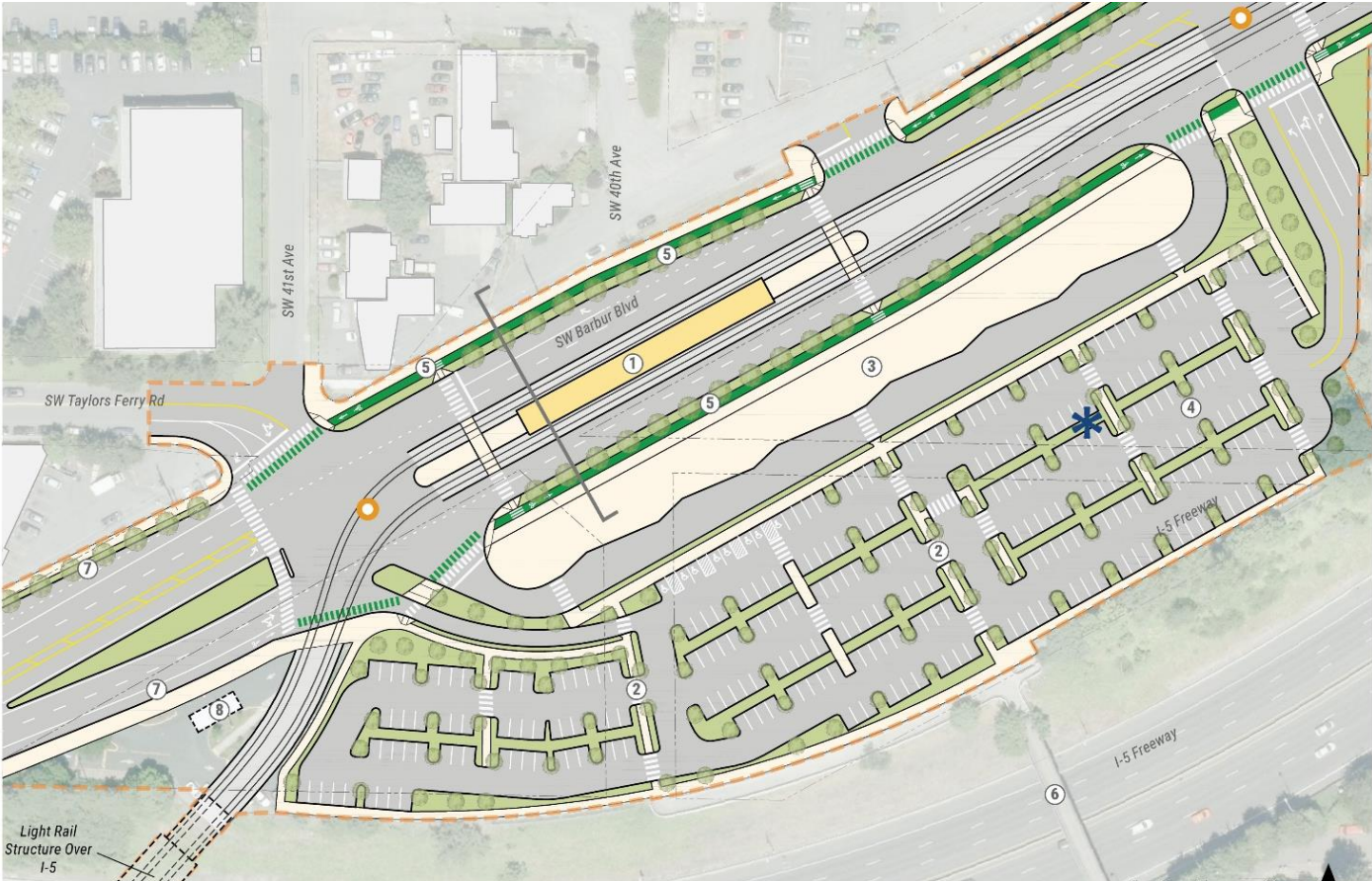


SIGNALIZED PROTECTED INTERSECTION TREATMENTS

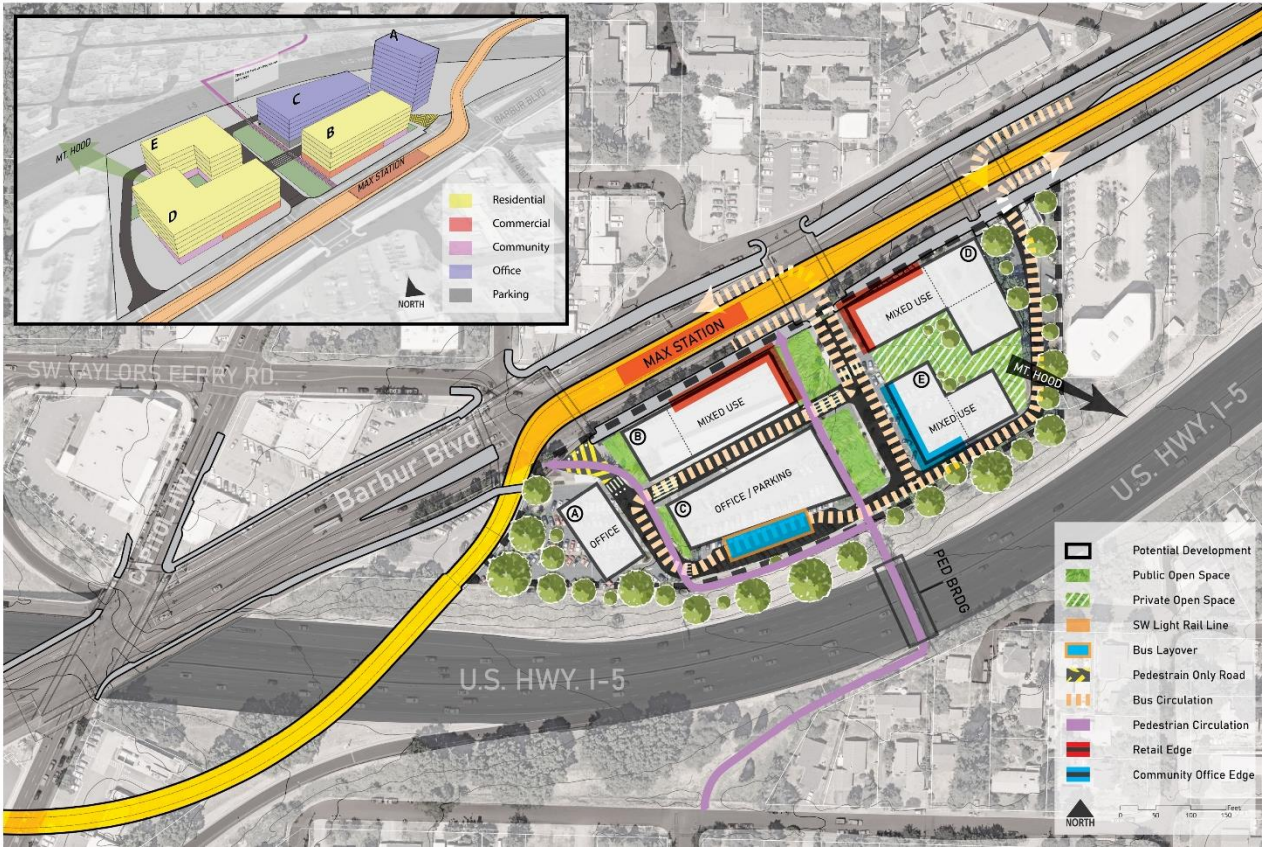
- Target Locations for Type 1 (existing or planned bike facility on minor street)
- Target Locations for Type 2 or 3 (all other intersections)



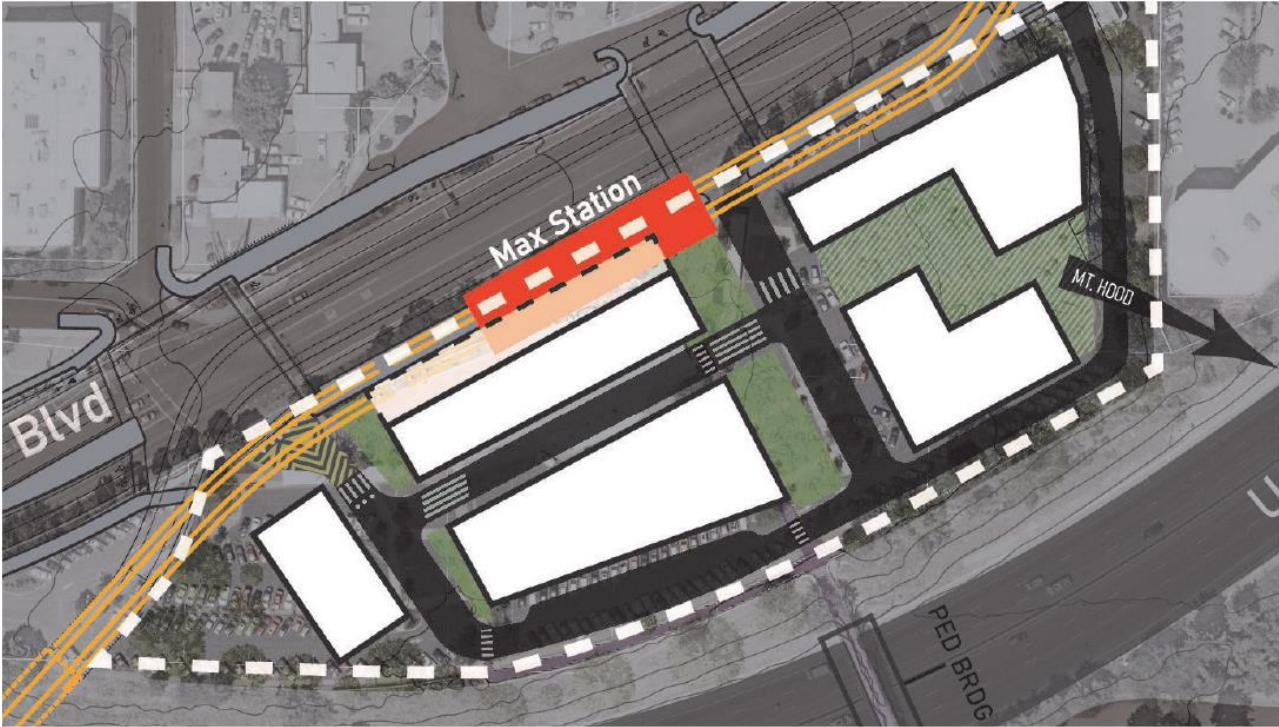
Outer Portland - Barbur Transit Center



Barbur Transit Center - Public Opportunity Site



Barbur Transit Center - Public Opportunity Site



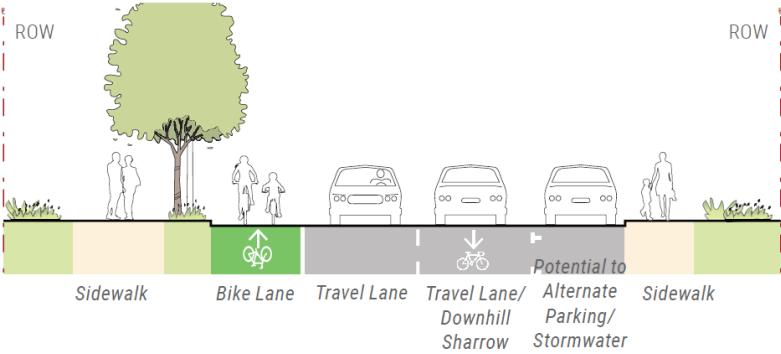
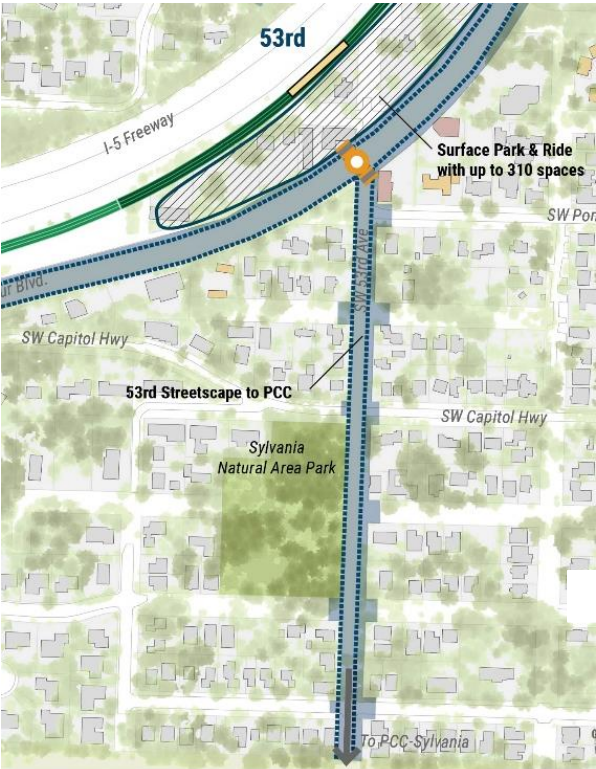
Outer Portland - Crossroads Bridge



Outer Portland - 53rd Avenue Station



Outer Portland - 53rd Avenue Improvements



Connection to PCC Sylvania Campus

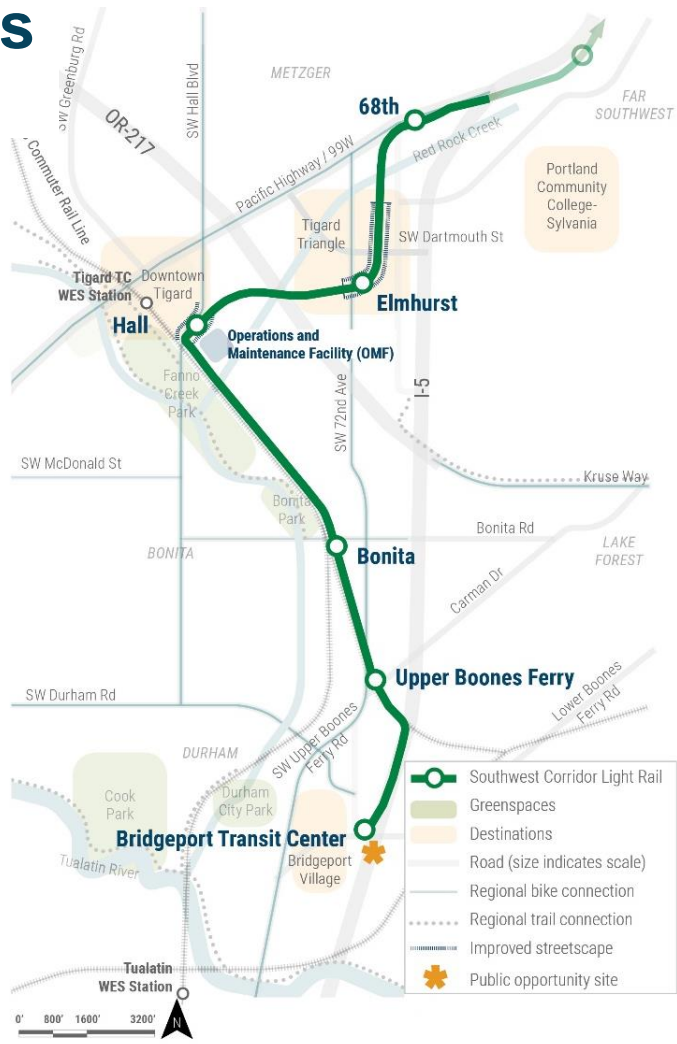


Station Design Concepts

Tigard & Tualatin



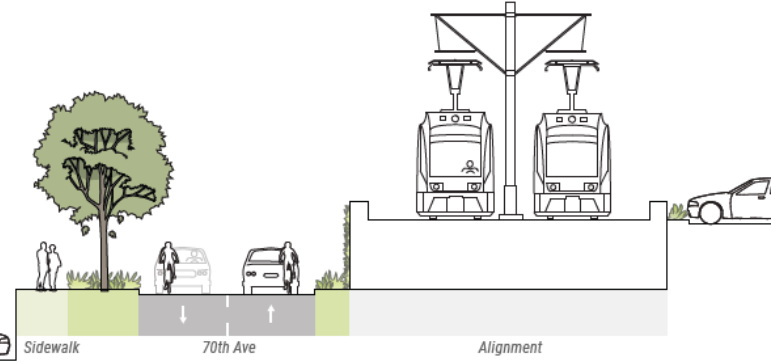
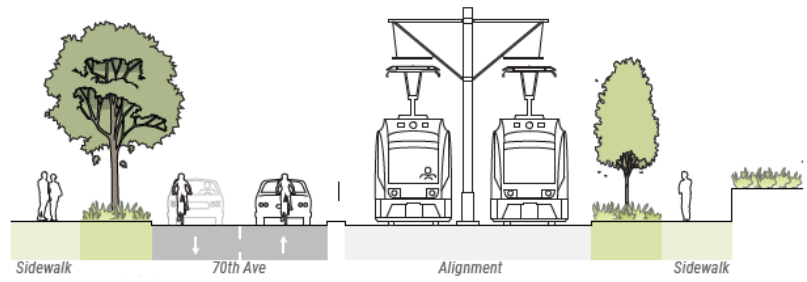
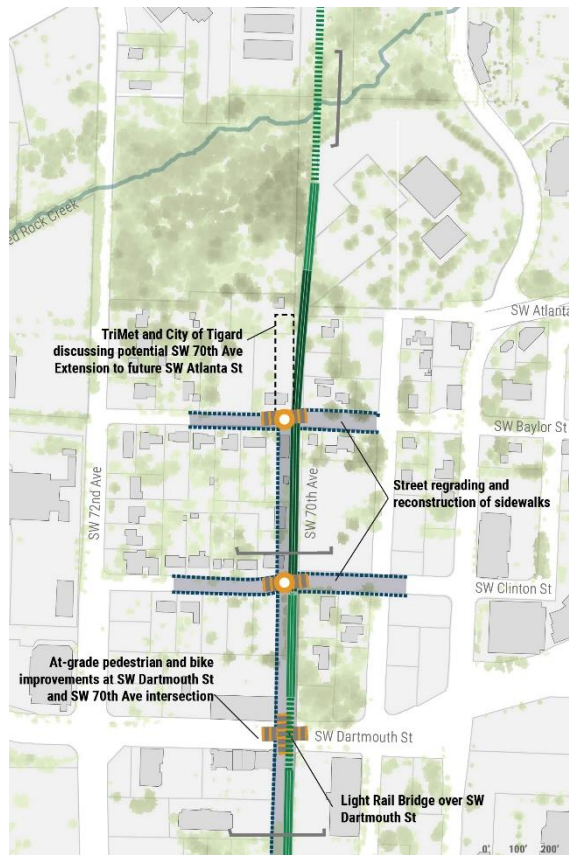
Tigard Employment Corridor



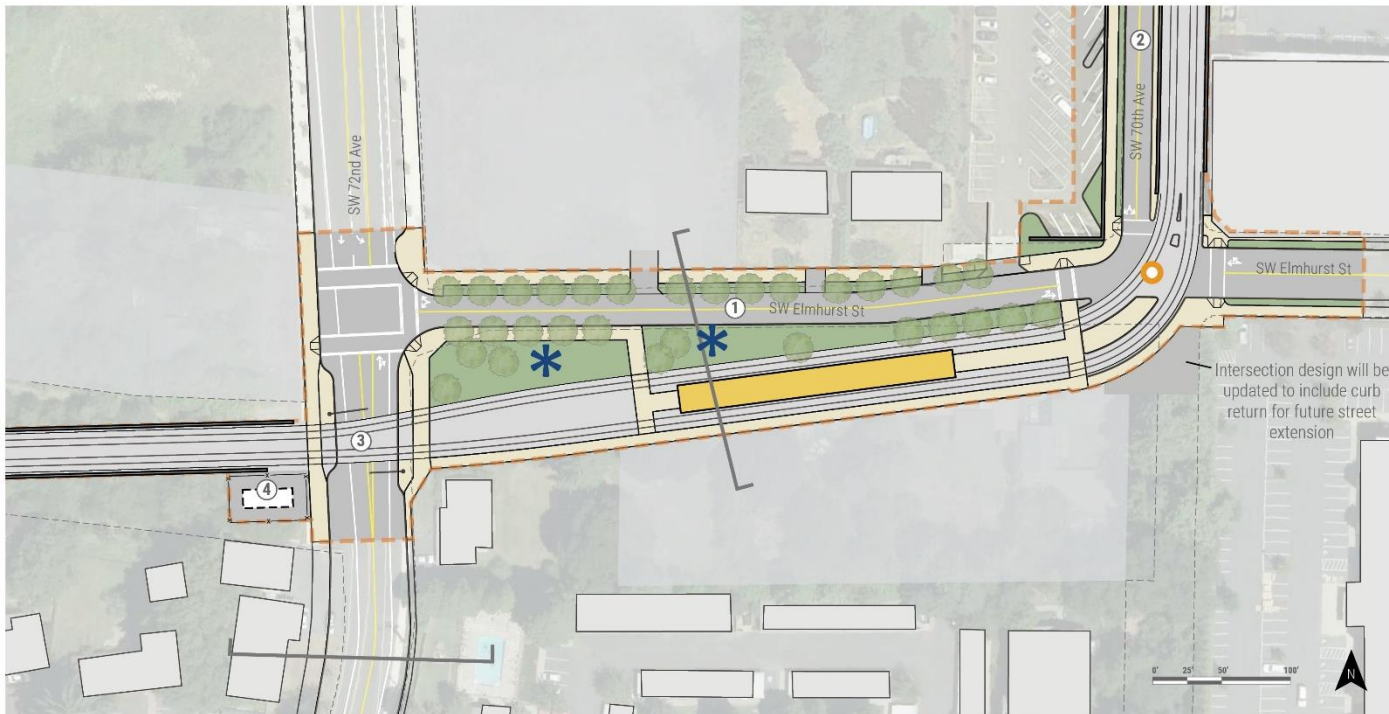
Tigard & Tualatin - I-5/99W Crossings



Tigard & Tualatin - SW 70th Ave Improvements



Tigard & Tualatin - Elmhurst Street Station



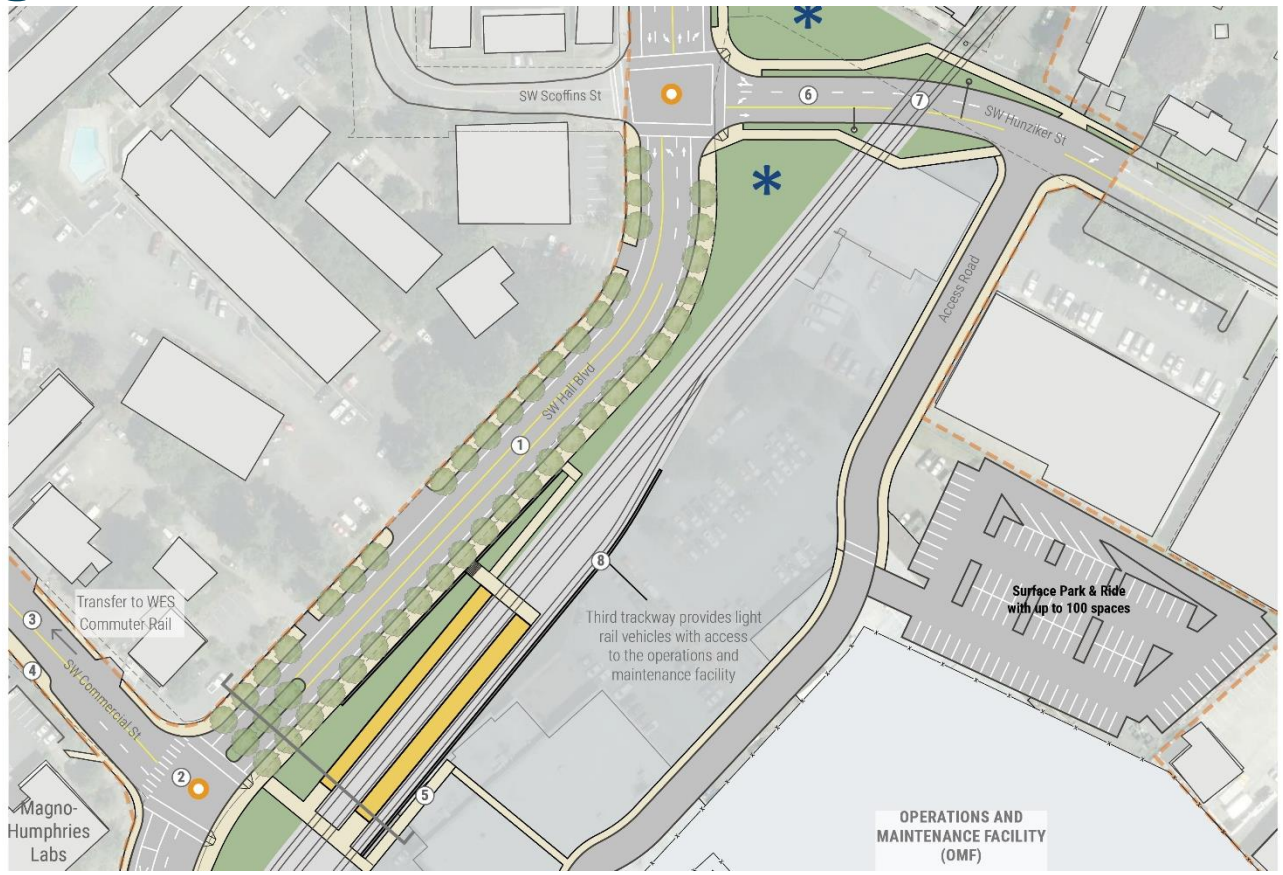
Tigard & Tualatin - Elmhurst Street Station



Tigard & Tualatin - OR-217 Crossing

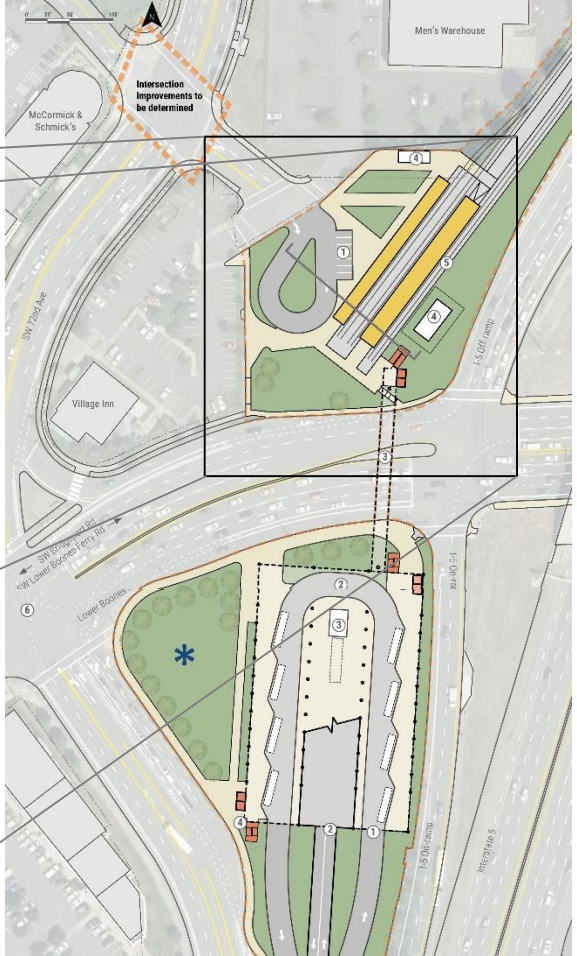
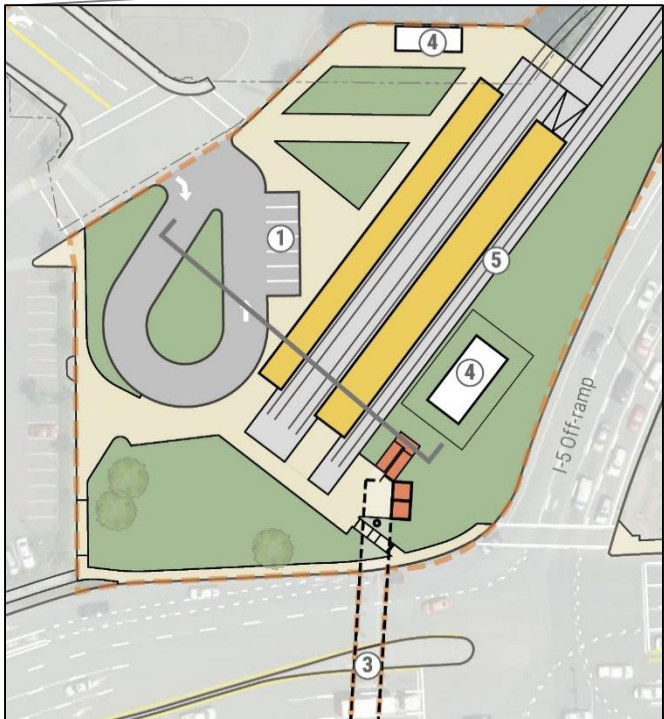


Tigard & Tualatin - Hall Boulevard Station



Tigard & Tualatin

Bridgeport Transit Center



Tigard & Tualatin

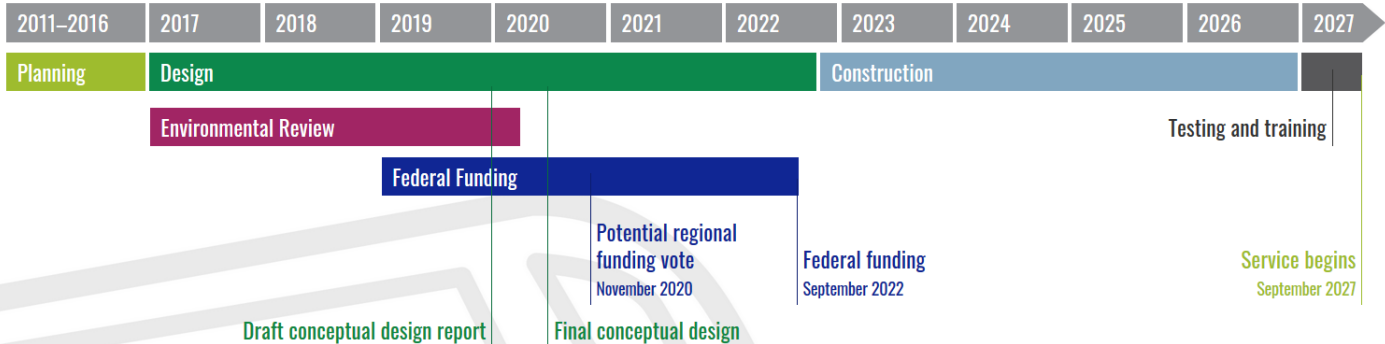
Bridgeport Transit Center



Ongoing Design



Project Timeline





trimet.org/swcorridor

