Southwest Corridor Community Advisory Committee August 6, 2020

Public comments can be submitted in writing to: <u>SWCorridor@trimet.org</u>

Include "CAC Comment" in the subject line.





Oregon Department of Transportation















The Southwest Corridor Light Rail Project Historic Resource Impacts

















Historic Resource Impacts Comparison

	DEIS June 2018	June 2020
Inner Portland	10 – 19 adverse impacts	Up to 7 adverse impacts
Outer Portland	3 – 6 adverse impacts	4 adverse impacts

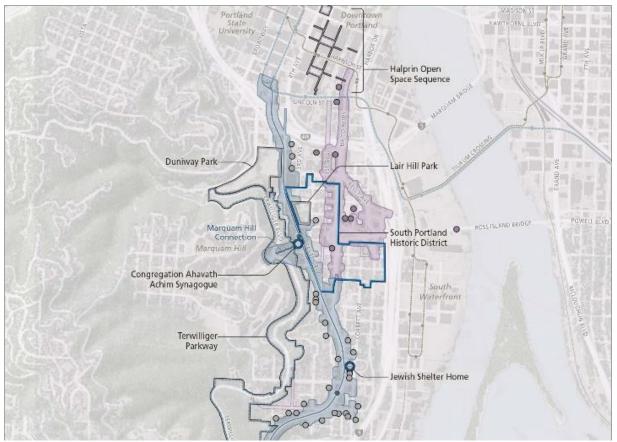


Overview

- Section 106 Historic and cultural resources
- Section 4(f) Park and recreation lands, wildlife and waterfowl refuges and historic sites

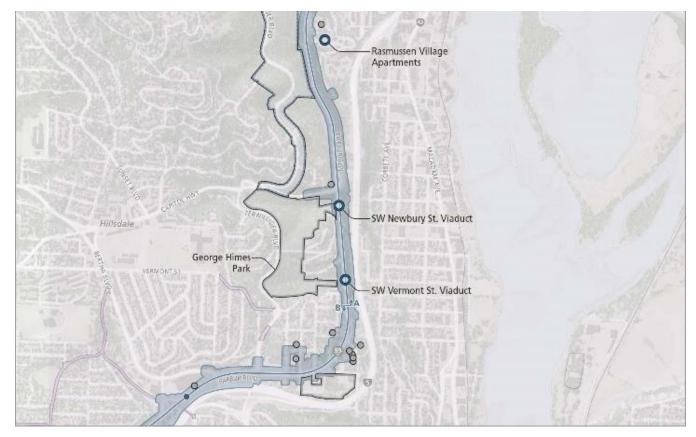


Inner Portland Resource Map



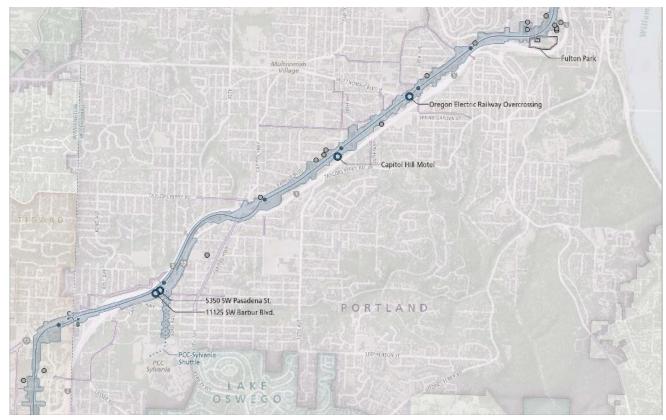


Inner Portland Resource Map





Outer Portland Resource Map





Historic Resources Virtual Public Meeting

- Thursday, July 23rd 35 participants
 - Presentation and meeting recording: <u>https://trimet.org/swcorridor/library.htm#historic</u>
- Purpose:
 - Increase transparency about impacts to historic resources
 - Increase literacy around public comment opportunities
- Feedback:
 - Concerns about impacts to historic homes in the Lair Hill Neighborhood, impacts to the former Synagogue, and Terwillger Parkway impacts
 - Concerns and questions from impacted property owners of historic resources



Stakeholder Engagement Next Steps

- Follow-up conversations with property owners and interested residents
 - Continue to try to reduce impacts as design progresses
 - Possible group meeting with Lair Hill neighbors, depending on community interest
- Public involvement plan for former Synagogue
 - How we can best honor cultural and architectural properties
- Meeting with Friends of Terwilliger Board
- Draft MOA posted to website for public comment
 - Late August or September





trimet.org/swcorridor



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June/July Engagement Report

- Bridlemile Neighborhood
- SWNI Watershed
- Durham City Council
- Wash Co. CPO4M
- WPTC CAG
- South Portland NA
- West Portland Park Neighborhood
- Hayhurst Neighborhood
- SWNI Land Use
- SWNI Board
- Historic Resource Virtual Event

Steering Committee Management & Technical Staff

Upcoming August Presentations: STAFF OFFICE HOURS

TriMet staff is holding virtual office hours Tuesday, August 18 from 5:30-7 p.m.

Staff will not be presenting, but will use information from the project <u>website</u> to answer questions.



Conceptual Design Report (CDR): Final Draft

Continues to summarize:

- Project principles, goals and objectives
- Community benefits
- Corridor-wide design elements, improvements, major structures
- Stations and amenities

Tool to communicate conceptual design to the community



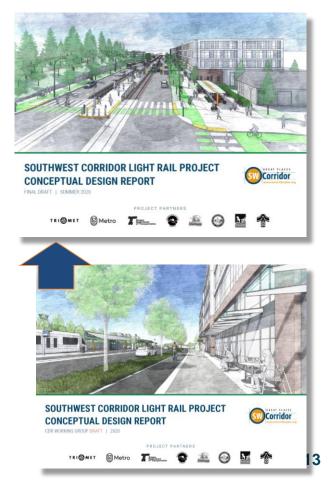


Conceptual Design Report (CDR): Final Draft

What's new?

EAT PLACE

- Responses to comments received through community engagement process
- How project intends to achieve affordable housing commitments
- More on station access by all modes, including bikes and future mobility services
- Additional "toolkits" indicating intention for design elements and project improvements



Principles, Goals, Objectives



MAINTAIN AND CREATE EQUITABLE COMMUNITIES

Community Resource Preservation Access to Opportunity Inclusive Community Vision



Natural Resource Preservation Ecological Design Open Space Access



DESIGN FOR THE FUTURE

Flexible Infrastructure Sustainability Emergency Response

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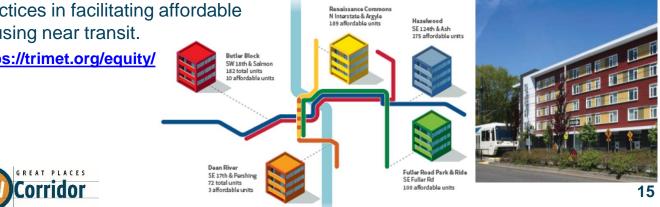
Maintain and create equitable communities **Transit Oriented Development (TOD)**

TriMet's focus for supporting regional development is to maximize density, minimize gentrification and displacement and transform public spaces by creating mixed-use development near transit stations, with a diversity of uses and income levels.

We continue to advance best practices in facilitating affordable housing near transit.

https://trimet.org/equity/









Project vision for corridor improvements





SW Barbur Blvd

SW Corridor

Station Access Framework

à K • --- • TRANSFER WALK BIKE MOBILITY SERVICES AUT0 Mixed use and mixed income Local bus service feeds Bicycling increases access to Transportation technologies Private vehicles provide development at stations transit and provides an alternative high capacity transit. increase mobility and access access to transit. increase walk access to transit. to single-occupancy vehicle use. to transit Tools: TOD, public realm Tools: Bike parking facilities, Tools: Bus routes and Tools: Allocate space for Tools: Park & Rides, improvements, pedestrian lanes and sharing stops. WES connection mobility solutions roadway and access facilities improvements Total Mode of Access **Project ridership** (Ons/Offs) What about bikes? Section 3.7 outlines how projected bike demand has 12 65 been studied along the corridor PERCENT PERCENT 8000 AUTO WAI K STATION ONS/OFFS 7000 6000 5000 4000 23 PERCENT 3000 TRANSFER



2000

1000

0

GIBBS*

HAMILTON

1374

1974

30TH

ARBURTC

Legend

UPPER BOONES FERRY

BRIDGEPORTTC

BONITA

HALL

ELMHURST

68TH

53RD

Walk

Source: Metro, 2019

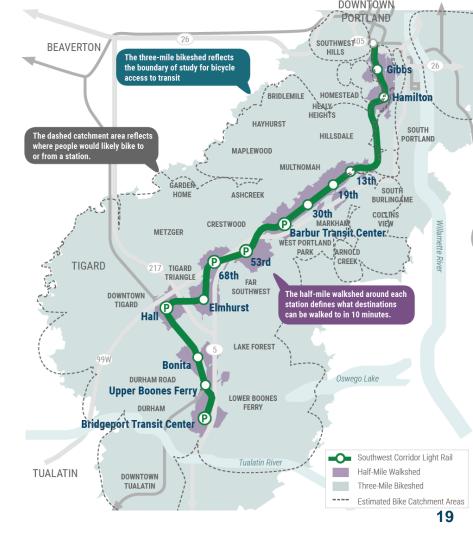
Transfer (Bus/WES)

Auto (Park & Ride, Pick-up/ Drop-off)



Catchments areas show neighborhoods and destinations accessible to cyclists: used to prioritize improvements (protected intersections, **RPBLs**, shared streets).







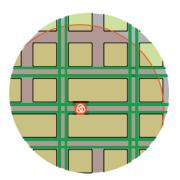


HIGH STATION BIKE USE

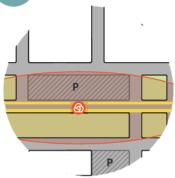




LOW STATION BIKE USE









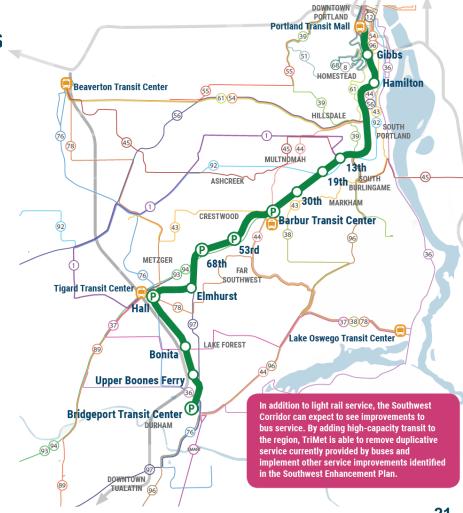


Analysis of many factors to understand needs for cyclists and estimate demand for parking

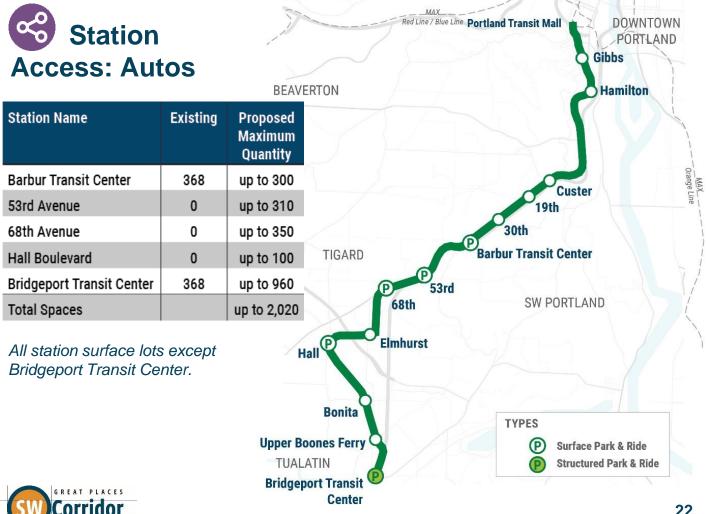


Station Acces Bus transfers

 SWC LRT will continue to provide nearly 23% of light rail riders with a connection to other local and regional transit







Station Access : emerging mobility services





- Emerging connections to transit
- Adapt stations to travel choices to serve vulnerable population
- Ongoing coordination with partners/local jurisdictions is key to flexible design

TRIMET ACCESS TOOLS



SOUTHWEST

CORRIDOR LIGHT

RAIL PROJECT

EAT PLACES

PEDESTRIAN FACILITIES

INTEGRATED STATION ACCESS

BIKE FACILITIES AND PARKING

BUS STOPS AND TRANSIT CONNECTIONS

SPACE FOR MOBILITY SOLUTIONS

PARK & RIDE FACILITIES

ROADWAY IMPROVEMENTS

SHARED RESPONSIBILITIES



TRANSIT-ORIENTED COMMUNITIES

SUPPORTING TRANSIT-ORIENTED COMMUNITIES

- Enabling developments near stations and within the project footprint
- Enabling transit-oriented development on publicaly-owned sites such as Barbur Transit Center, Tigard Park & Ride (at Pacific Highway/99W), Bridgeport Transit Center /Park & Ride
- Other potential opportunities along the corridor as coordinated by jurisdictions and housing developers

ACCESS TOOLS BY OTHERS

MOBILITY SERVICE ACCESS TOOLS

 Coordinating with privately operated mobility solutions beyond the project footprint to provide more and better travel choices that increase convenient access to transit service

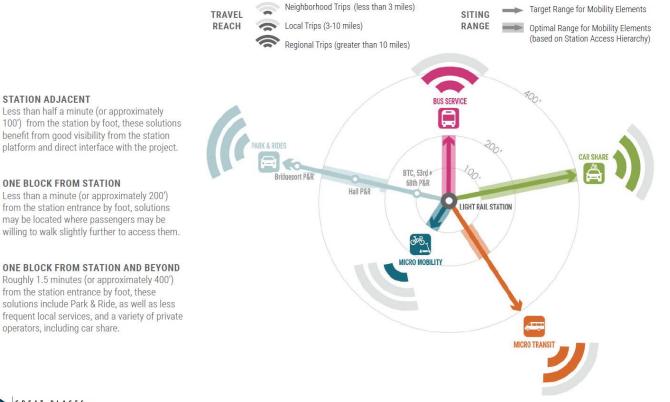
PARTNER PROJECTS

 Southwest Corridor infrastructure and access projects that are not included in the project scope



MOBILITY SOLUTIONS BY OTHERS

Station Access Framework : location guidance





Design for the **Future:** explore opportunities for mobility solutions





New Transit-Oriented Places

Mobility solutions can be integrated into buildings at the ground floor, in a parking garage or associated exterior area.



B Adapting Existing Places

Property owners may work with the city and mobility providers on solutions such as in a parking lot or other exterior area.



• Adapting the Right-of-Way

Future mobility solutions may be located along the curb or along the sidewalk within a public or private street - outside of the project boundary.



D Adapting Park & Rides

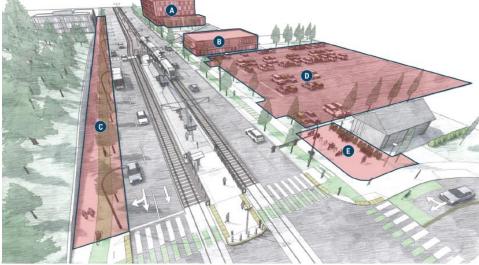
Mobility solutions may be introduced into dedicated Park & Rides, such as pickup/drop-off zones or space for other mobility services.



Public Realm

Mobility solutions may be integrated in an area set aside for stormwater needs, systems buildings or hardscaped plaza.





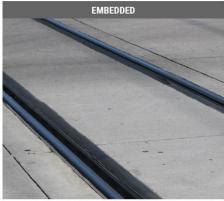
: Opportunity areas along the light rail alignment for mobility solutions

Design elements





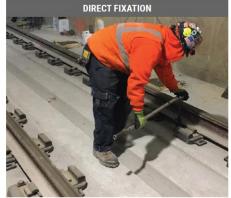
Toolkits: 4.4 Trackway types



EMBEDDED TRACK DETAIL



BALLASTED TRACK DETAIL



DIRECT FIXATION TRACK DETAIL IMAGE SOURCE: MTA CONSTRUCTION & DEVELOPMENT FLICKR



EMBEDDED TRACK ON SHARED TRANSITWAY



BALLASTED TRACK AT DEDICATED LIGHT RAIL STATION



DIRECT FIXATION TRACK THROUGH TUNNEL IMAGE SOURCE: ZGF



Toolkits: 4.5 Operations/Facilities



INDUSTRIAL OCS POLE - GENERAL AREAS IMAGE SOURCE: ZGF



ROUND OCS POLE - HIGH VISIBILITY AREAS IMAGE SOURCE: TRIMET FLICKR



OCS INTEGRATED WITH LIGHTING - URBAN AREAS IMAGE SOURCE: ZGF



SYSTEMS BUILDING WITH METAL SCREEN IMAGE SOURCE: ZGF



SYSTEMS BUILDING WITH MURAL IMAGE SOURCE: VIA ARCHITECTURE



SYSTEMS BUILDING WITH MURAL IMAGE SOURCE: KENJI HAMAI STOLL

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Toolkits: 4.6 Walls



TREE AND PLANTING SCREEN IMAGE SOURCE: GOOGLEEARTH



WALL WITH PATTERN RELIEF IMAGE SOURCE: ZGF



GALVANIZED GUARDRAIL WITH UNIFORM PATTERN IMAGE SOURCE: TRIMET FLICKR



IMAGE SOURCE: MAYER/REED



LARGE PANEL TEXTURED WALL IMAGE SOURCE: PETER EHRLICH



GALVANIZED GUARDRAIL WITH NATURAL PATTERN IMAGE SOURCE: DAVID EVANS AND ASSOCIATES



PLACEMAKING AND IDENTITY IMAGE SOURCE: ZACH YARRINGTON



IMAGE SOURCE: MAYER/REED



CONCRETE WALL CAP AND PAINTED GUARDRAIL IMAGE SOURCE: TRIMET FLICKR



Toolkits: 4.7 Overhead structures

STANDARD DESIGN



E SOURCE: TRIMET FLICKR TYPICAL CONCRETE COLUMNS AND GUIDEWAY STRUCTURE



GUIDEWAY INTEGRATED INTO ELEVATED STATION DESIGN

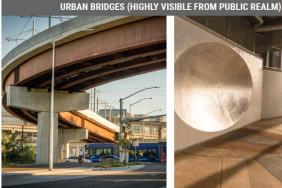


IMAGE SOURCE: TRIMET STEEL STRUCTURE OR INTEGRATED PLACEMAKING





NATURAL AREAS

SPANNING WATERBODIES AND OPEN SPACE

Toolkits: 4.10 Stormwater





Toolkits: 4.11 Urban design elements



BENCHES IMAGE SOURCE: MAYER/REED

STATION ELEMENTS: SAFETY & SECURITY



LIGHTING IMAGE SOURCE: MAYER/REED



TRANSIT SHELTER AND SCREENING



PLATFORM RAILING IMAGE SOURCE: TRIMET FLICKR



WASTE RECEPTACLES IMAGE SOURCE: LANDSCAPE FORMS



TACTILE PAVING



STATION ELEMENTS: SIGNAGE & WAYFINDING



TICKETING EQUIPMENT IMAGE SOURCE: TRIMET FLICKR





SCREENING IMAGE SOURCE: TRIMET FLICKR

PUBLIC REALM



PLAZA ELEMENTS IMAGE SOURCE: GREENWORKS



STATION WAYFINDING SIGNAGE IMAGE SOURCE: TRIMET FLICKR



LANDSCAPING AND STREET TREES IMAGE SOURCE: GREENWORKS



LOW WALLS IMAGE SOURCE: TRIMET FLICKR



RIDER INFORMATION (MAPS & REAL-TIME ARRIVALS)



PLAZA PAVING IMAGE SOURCE: TRIMET FLICKR



BUS FACILITIES IMAGE SOURCE: TRIMET



Toolkits: 4.11 urban design contd.

Corridor walk through



Downtown Tie-in: sketch view





Gibbs Street Station





Gibbs Street Station: Marquam Hill Connector





Figure 5.5.3 View from inside the inclined elevator, looking east toward Gibbs Street Station and the plaza below.





Portland

Hamilton Street Station







Capital Highway Bridge replacement: sketch view





13th Avenue Station





19th Avenue Station





30th Avenue Station



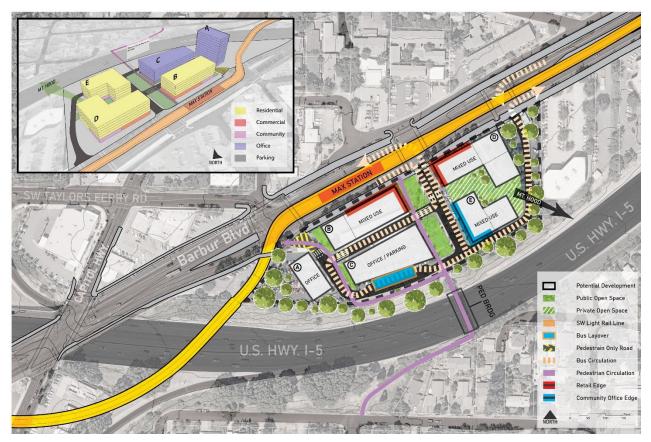


Barbur Transit Center



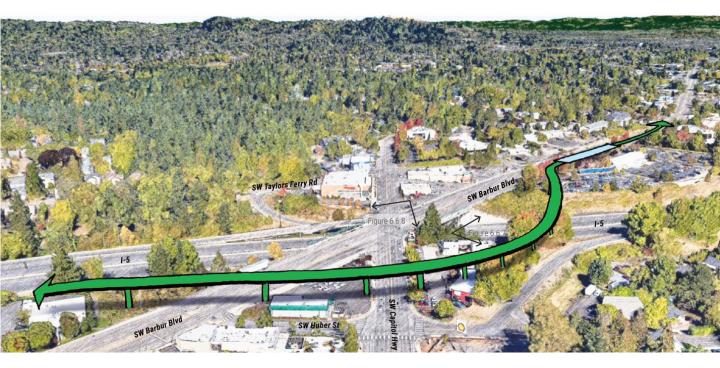


Barbur Transit Center - Public Opportunity Site





1-5/SW Barbur Blvd, Crossroads structure: sketch view





53rd Avenue Station





68th Parkway Station





1-5 & Pacific Hwy/99W crossing: sketch view





Elmhurst Station





OR 217 crossing: sketch view





Hall Boulevard Station





Bonita Road Station





Upper Boones Ferry Road Station



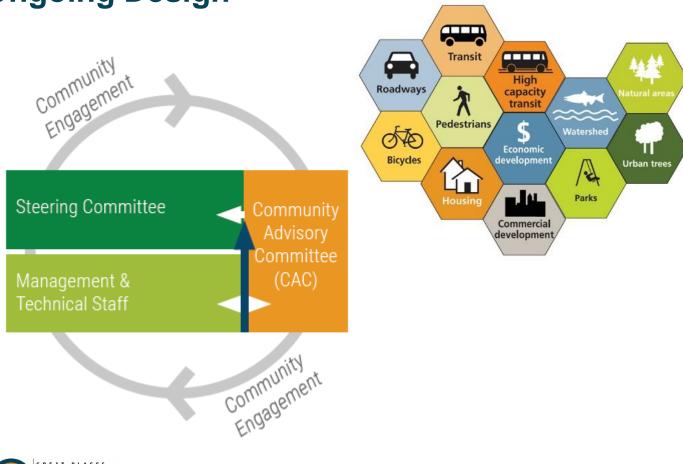


Bridgeport Transit Center





Ongoing Design







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