

# SOUTHWEST CORRIDOR LIGHT RAIL PROJECT



GREAT PLACES

## Corridor

Portland • Sherwood • Tigard • Tualatin  
Beaverton • Durham • King City  
Washington County • ODOT • TriMet • Metro

# Southwest Corridor Project Partners



# Why Regional Transit?

- Connects great places, work & walkable neighborhoods envisioned by communities
- Supports equal & affordable access to jobs, education, housing & recreation

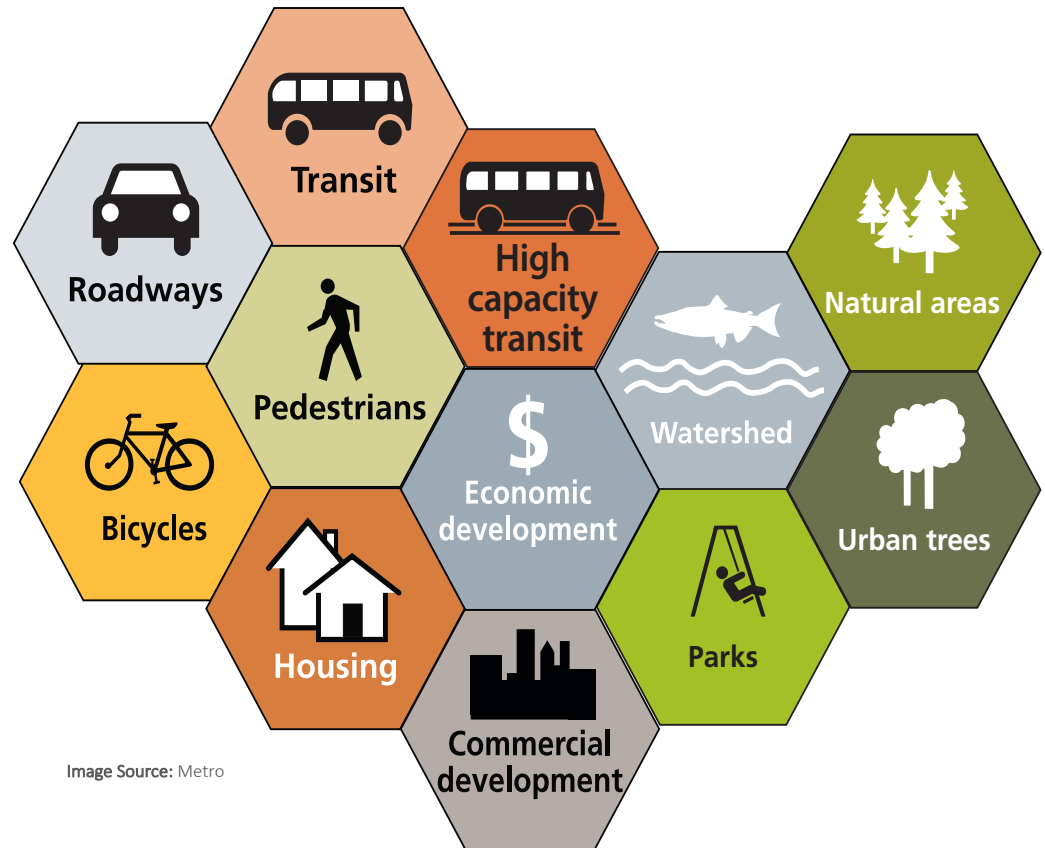
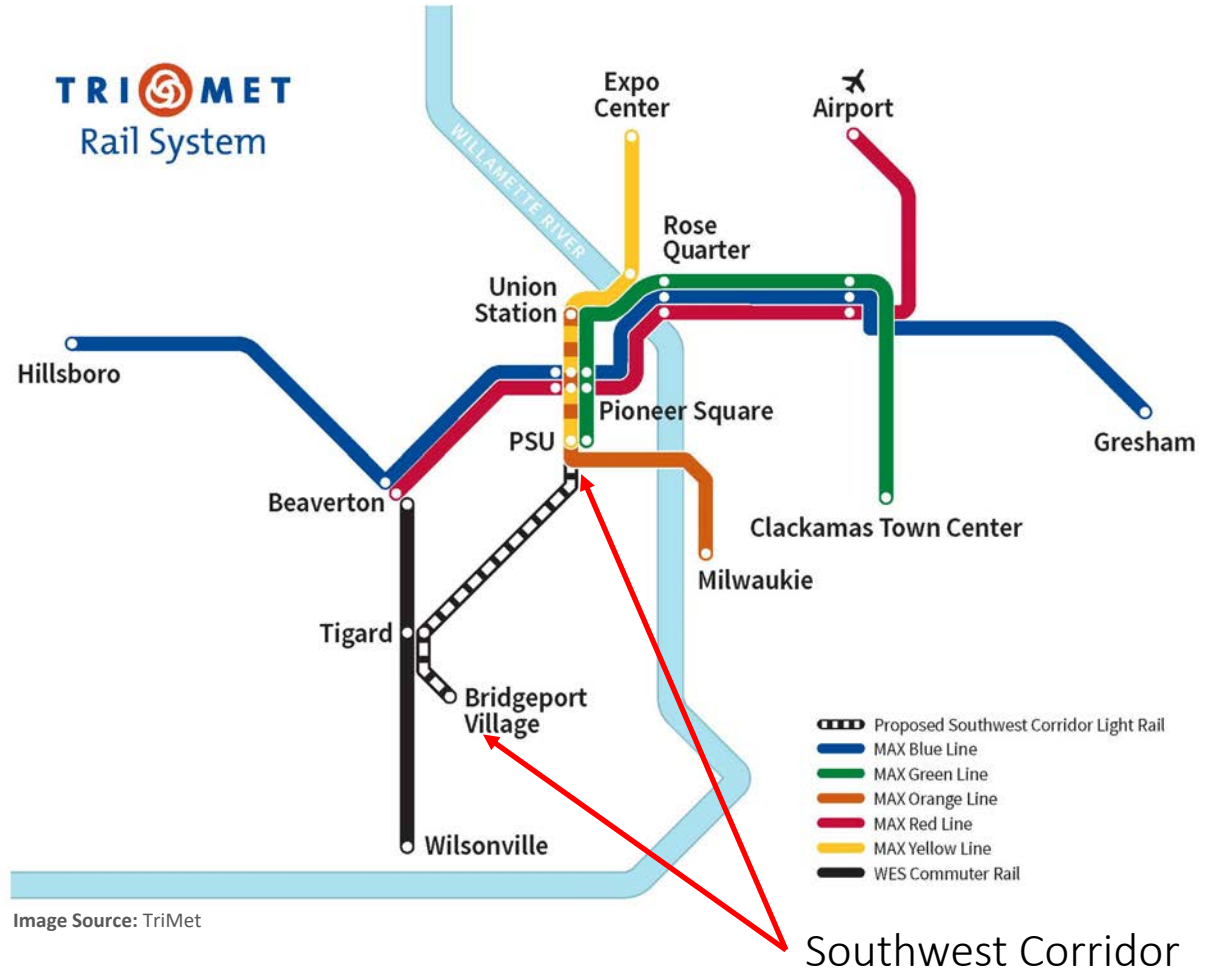


Image Source: Metro

# Expands a Multi-Line Regional System

- Provides an alternative to congested highways & streets
- Is critical to region's economic growth & affordable housing
- Frees up roads for transport of goods & services
- Can be catalytic for improvements to streets, trails & natural resources



# Helps Focus Regional Growth

By 2035, we could see:



**75,000 new residents**  
along the Southwest Corridor  
according to Metro data



Up to **17% increase of congestion**  
on I-5 between Portland and Tigard  
predicted without the Southwest Corridor



**43,000 riders**  
on the line on an average weekday  
according to TriMet data



Image Source: Casey Braunger, Ankrom Moisan Architects



Image Source: Opus Group

# Connecting Great Places



Washington Park & Oregon Zoo

Image Source: ZGF Architects



Portland International Airport

Image Source: ZGF Architects



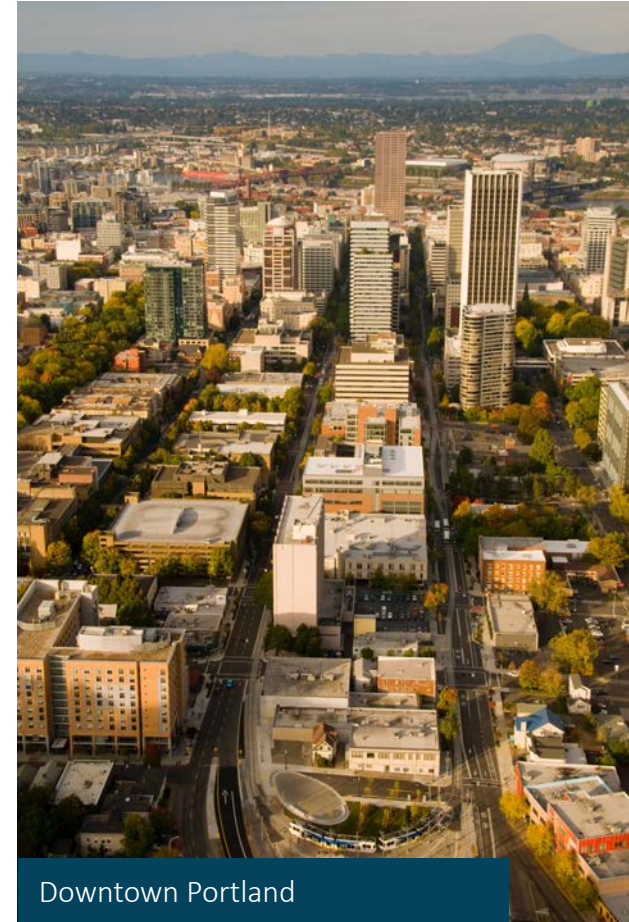
Bridgeport Village

Image Source: ZGF Architects



Oregon Convention Center

Image Source: Bruce Forster



Downtown Portland

Image Source: Bruce Forster

# Southwest Corridor Alignment

- 12-mile alignment between downtown Portland & Tualatin
- Up to 13 stations
- Serves cities of Portland, Tigard, Durham, Tualatin & surrounding communities
- Easy 30-minute ride between Bridgeport Village & downtown Portland

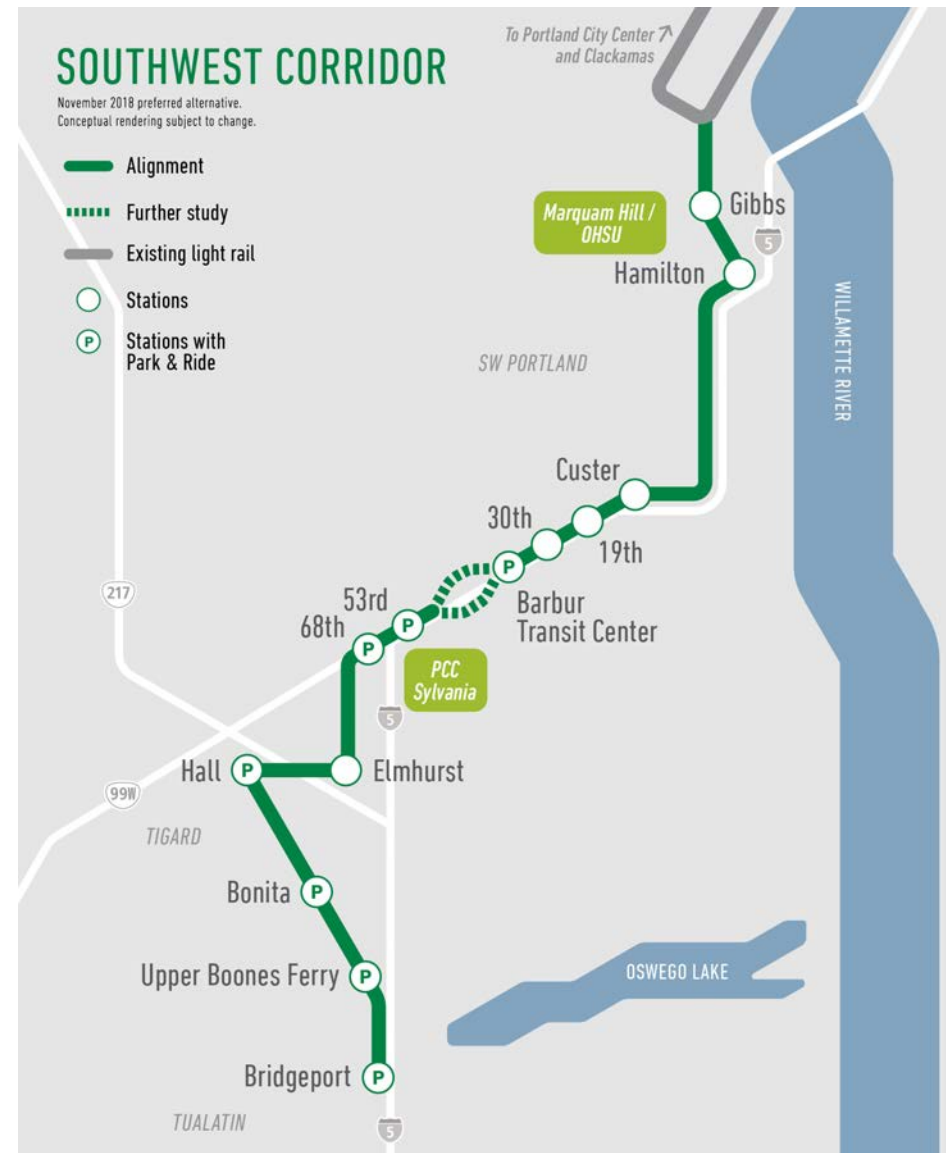
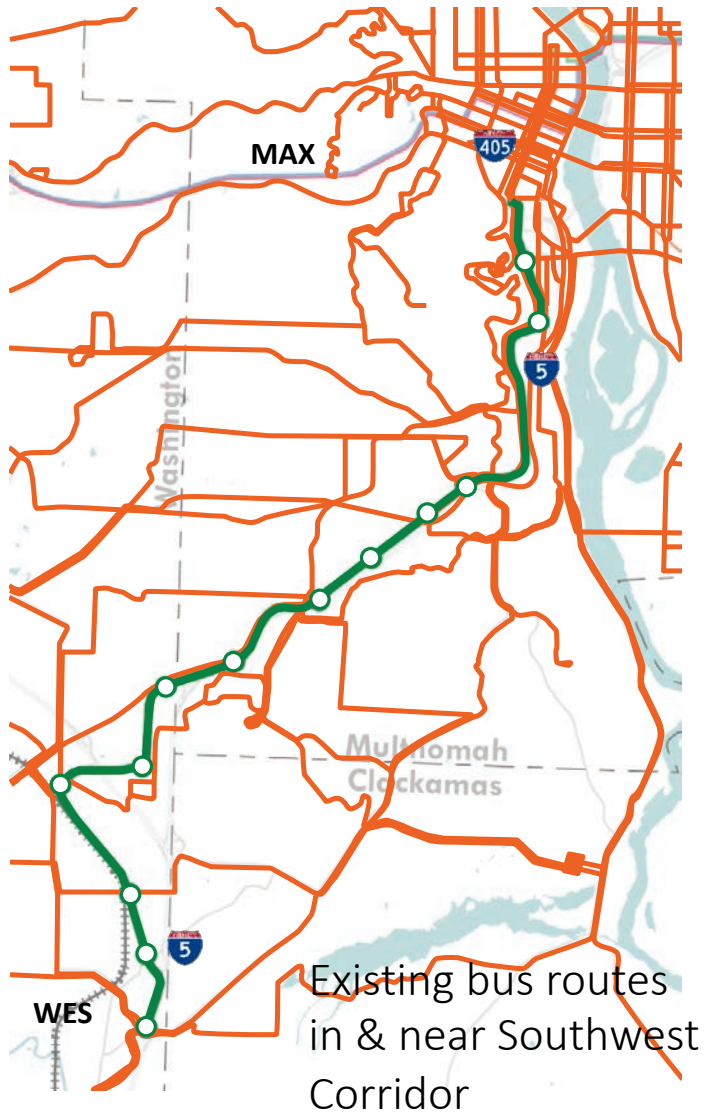


Image Source: TriMet

# A Spine of Connected Transportation Choices



- Light Rail
- Bus
- Westside Express Service
- Park & Ride



Image Source: Bruce Forster



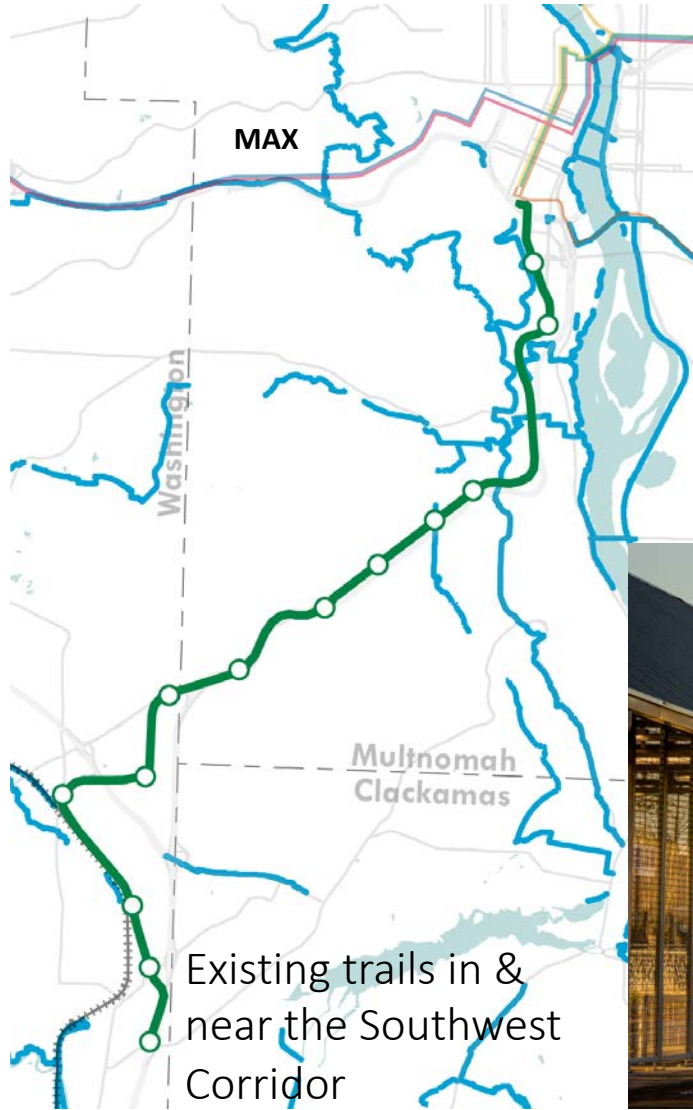
Image Source: Bruce Forster



Image Source: Mayer/Reed



# A Spine of Connected Transportation Choices



- Multi-use Trails for Cycling & Walking
- Bike Facilities



Image Source: Bruce Forster



Image Source: Bruce Forster



Image Source: Bruce Forster

# New Technologies in Transportation

- Electric bikes, scooters & shuttles are being considered for connections to stations.
- Phone apps will make trip planning & fare payments simple & easy to use.



Image Source: TriMet



Image Source: TriMet



Image Source: TriMet

# Who Does the Southwest Corridor Serve?



Image Source: ZGF Architects



Image Source: ZGF Architects



Image Source: TriMet



Image Source: TriMet



Image Source: Bruce Forster



Image Source: TriMet

# Historical Context: Trails to Roads to Rails

Ft. Vancouver 1854

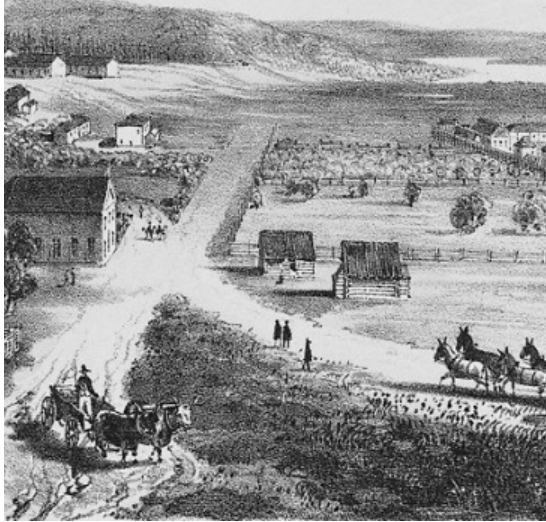


Image Source: Hudson Bay Company History Foundation

Tigard Station – Early 1900s

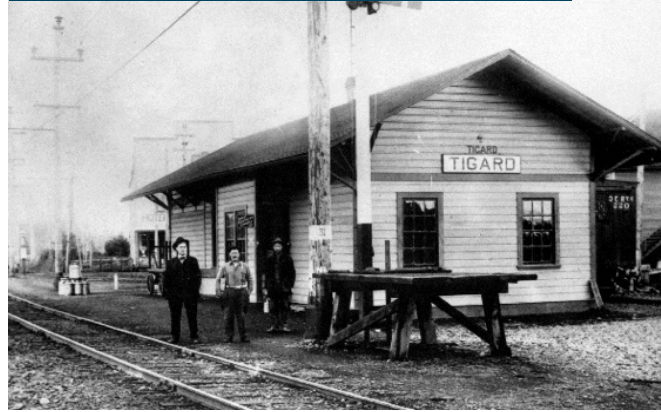


Image Source: City of Portland

The Great Plank Road 1896



Image Source: City of Portland

City & West Portland Park Railway 1893



Image Source: Multnomah Historical Association

- Native Americans & fur trappers used the Siskiyou Trail and early roadways followed the trails.
- In the late 1800s, railroad alignments were established to serve more passengers & commerce.

# Historical Context: the Automobile Era



Barbur Blvd. circa 1940s

Image Source: Metro



Barbur Blvd. 1961

Image Source: Metro



Pacific Hwy, Tigard 1950s

Image Source: Metro

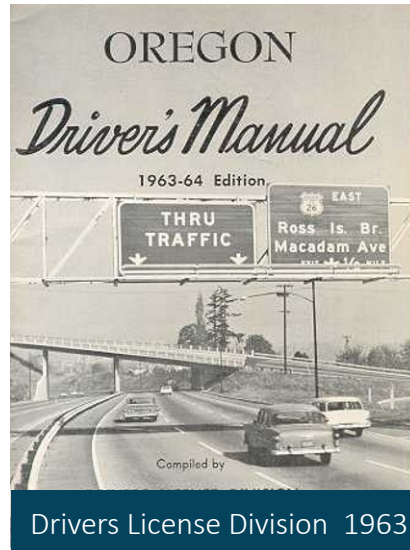


Barbur Blvd. ca. 1960

Image Source: Multnomah Historical Association

- Barbur Blvd. replaced the railroad line in 1932, becoming Interstate Route 99W.
- Auto-oriented development later shaped the character of the roadway & land use.

# Historical Context: 1960s

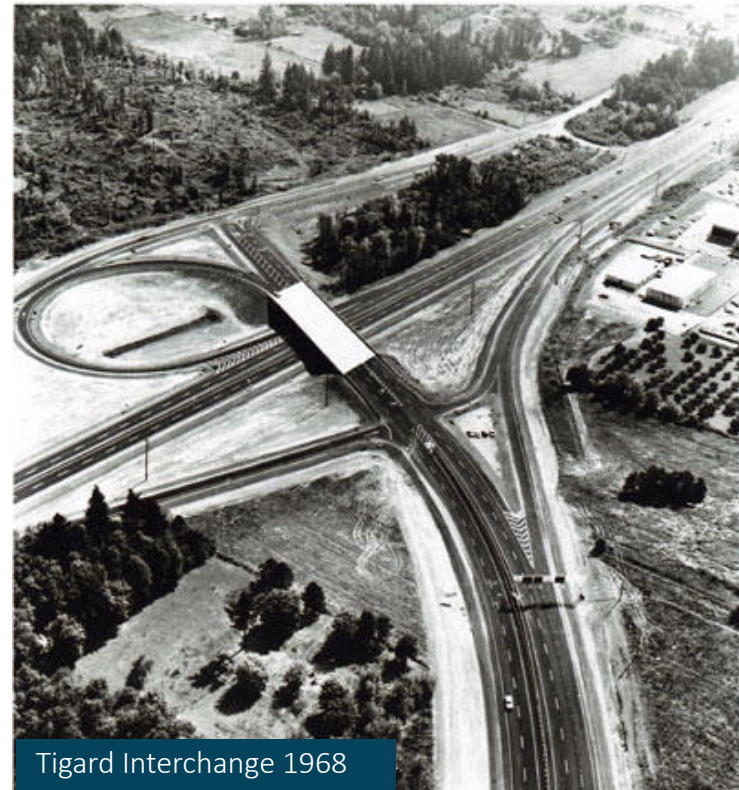


- Interstate 5 opened in 1966 with the completion of the Marquam Bridge over the Willamette River.



Auditorium District 1964

Image Source: Portland Archives and Records Center



Tigard Interchange 1968

Image Source: Metro

# SW Corridor Today



Topographic Features

Image Source: ZGF Architects



Freight Rail Corridor

Image Source: Google Maps



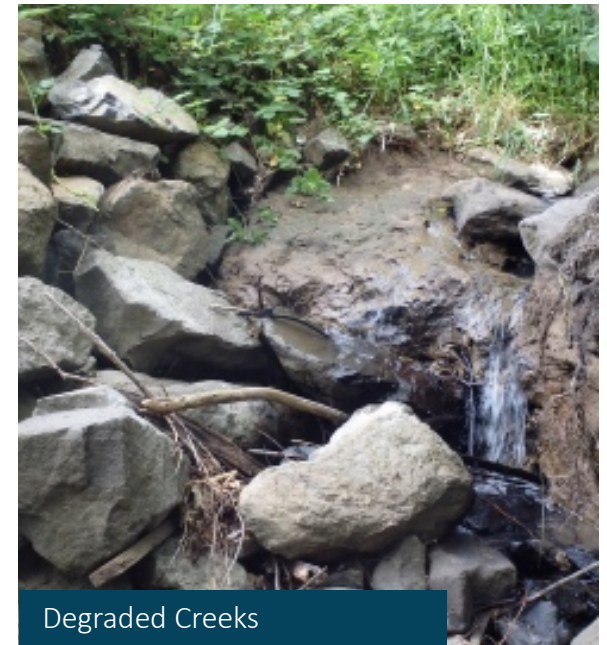
Congestion on Arterials

Image Source: TriMet



Traffic Congestion on I-5

Image Source: TriMet



Degraded Creeks

Image Source: City of Tigard

# Connected Job Centers

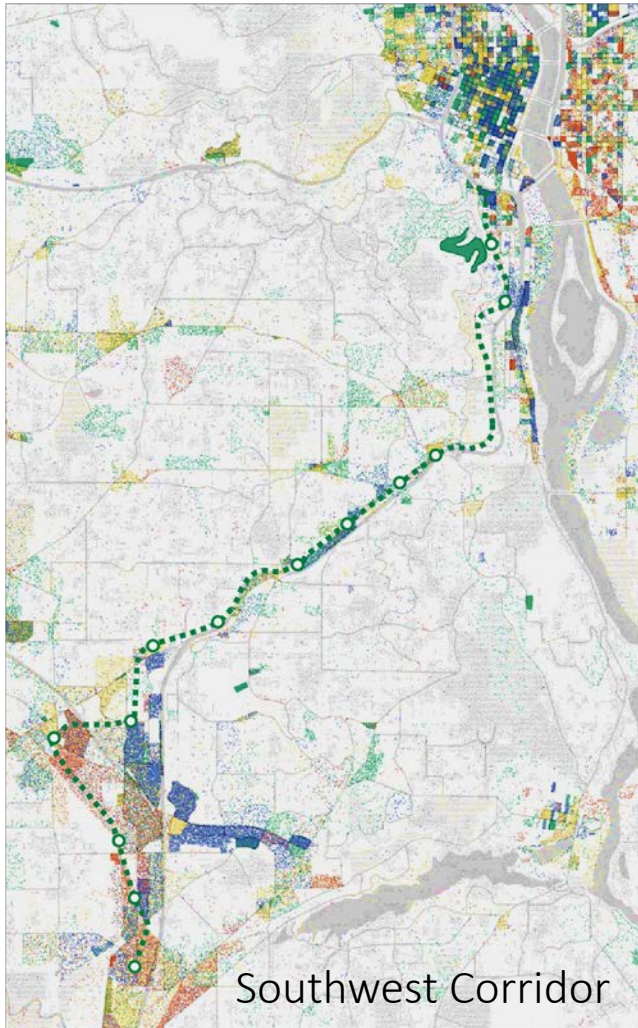
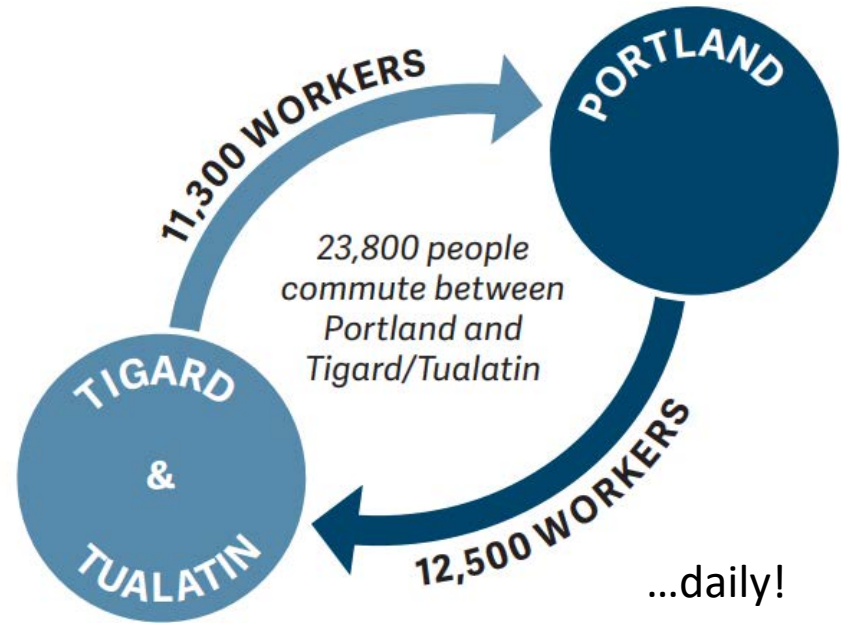


Image Source: Where are the Jobs? Employment in America, 2014

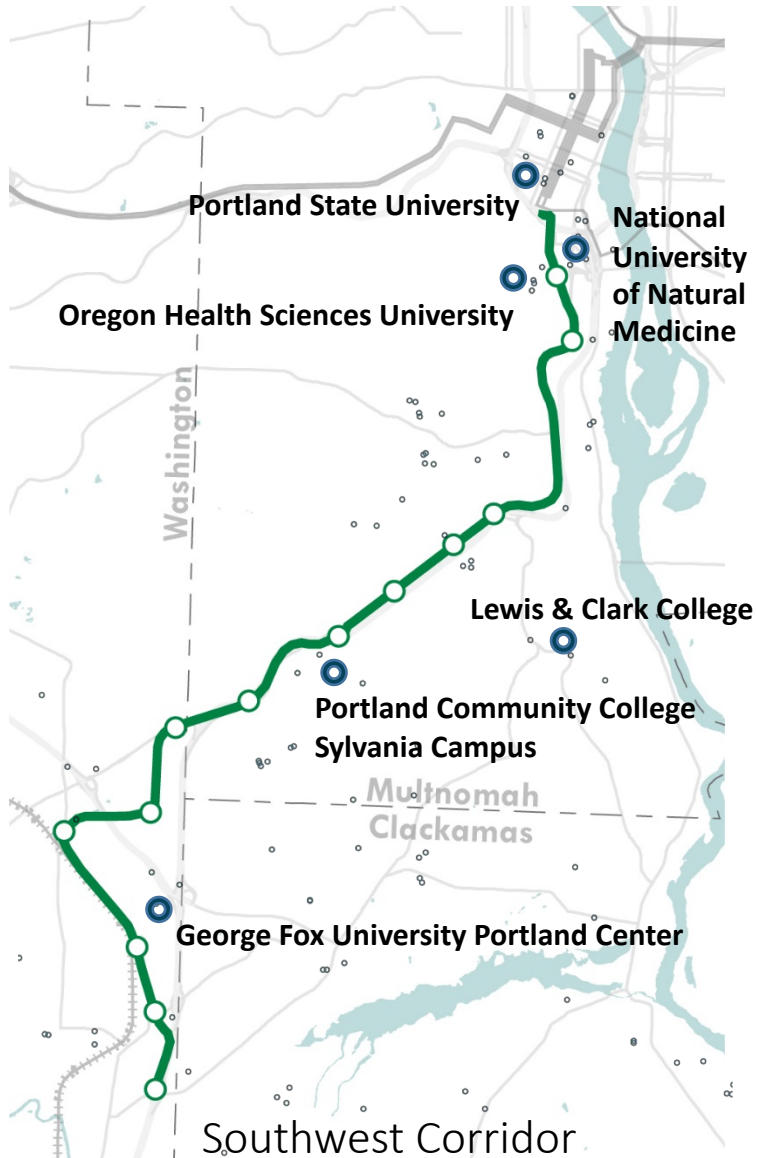


- Manufacturing and Logistics
- Professional Services
- Healthcare, Education & Government
- Retail, Hospitality, and Other Services

\*one dot = one job



# Connected Institutions of Higher Education



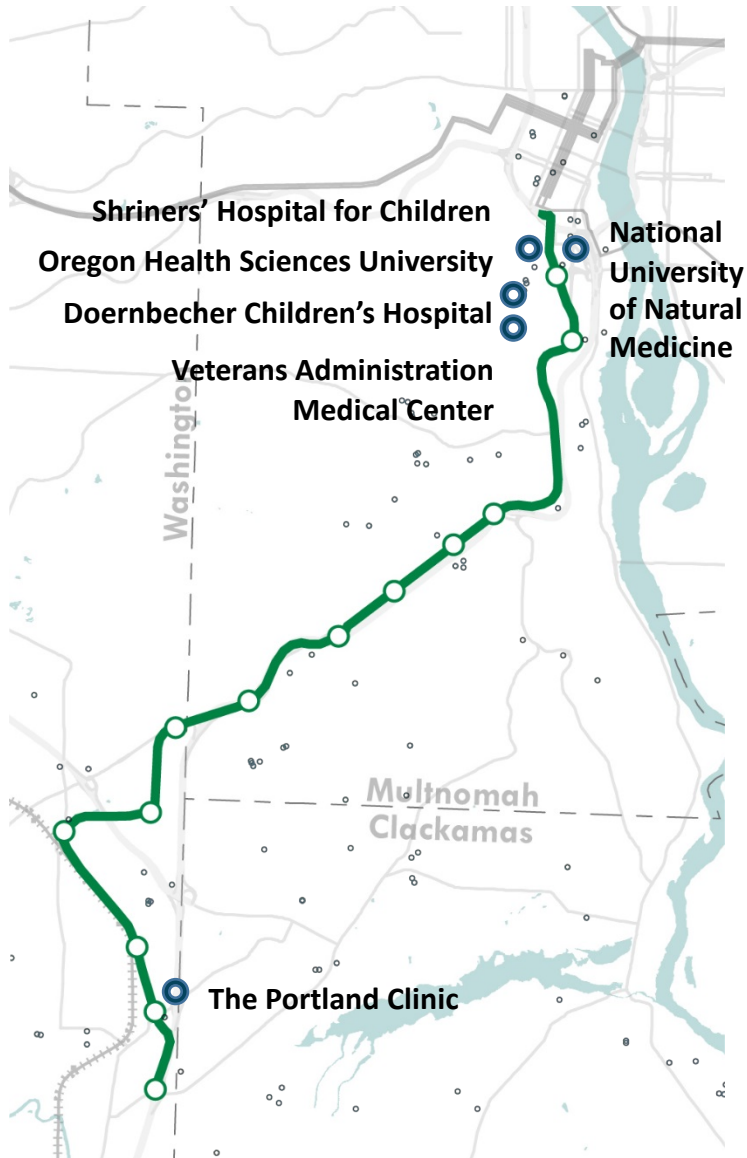
Oregon Health & Sciences University



Portland Community College

Image Source: Metro

# Connected Health Care Services



Marquam Hill

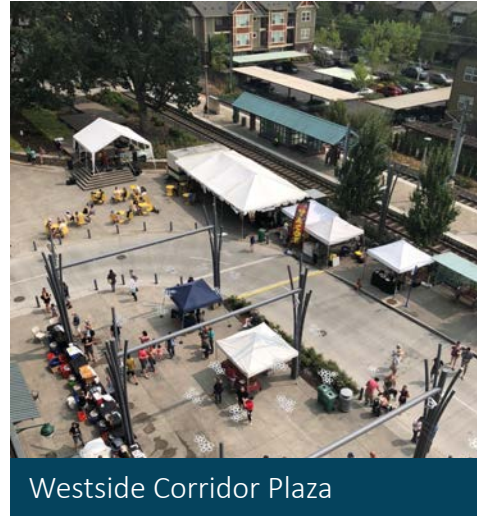
Image Source: Metro

# Examples of Place-Making Design Elements



Park Avenue Park & Ride Facility

Image Source: ZGF Architects



Westside Corridor Plaza

Image Source: ZGF Architects



Beaverton Round Plaza

Image Source: ZGF Architects



Park Avenue Terminus & Plaza

Image Source: Bruce Forster

# Case Study: MAX Orange Line, Milwaukie, OR

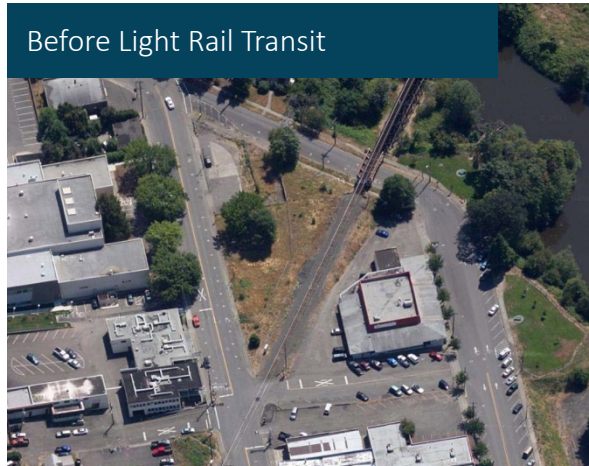


Image Source: Bruce Forster

Image Source: Bruce Forster

# What Does Light Rail Look Like?



MAX Orange Line in Portland & Milwaukie



All Images This Page Source: Bruce Forster

# Examples of Light Rail Transit Design Elements



Sound & Retaining Walls

Image Source: Bruce Forster



Improved Drainage Structures

Image Source: Muller Engineering Company



Elevated Structures

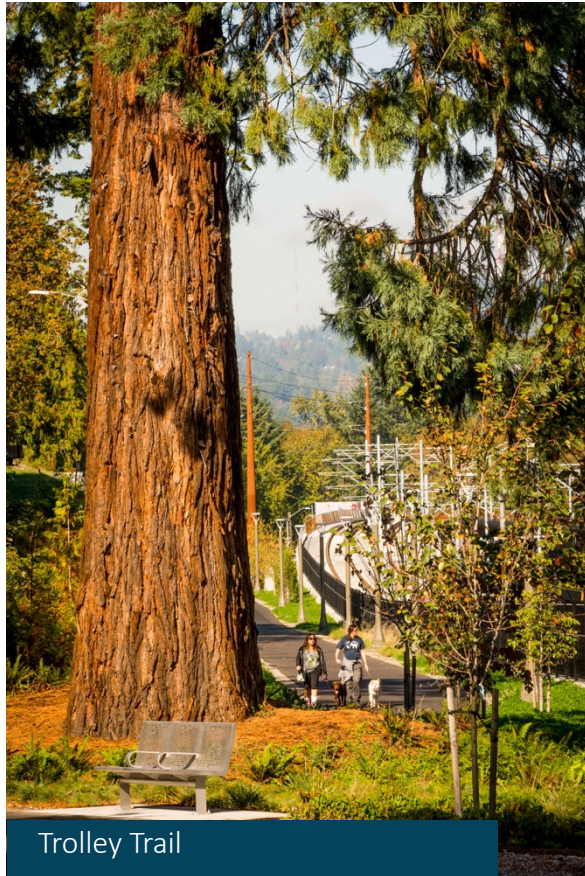
Image Source: TriMet



Landscape

Image Source: Bruce Forster

# Related Improvements & Partnerships



Trolley Trail

Image Source: Bruce Forster



Johnson Creek Restoration

Image Source: Bruce Forster



Crystal Springs Creek Restoration

Image Source: TriMet



Johnson Creek Interpretation

Image Source: Bruce Forster

# Transit-Oriented Development



Portland in the Lloyd District

Image Source: TriMet



Downtown Milwaukie

Image Source: ZGF Architects



Portland on Interstate Avenue

Image Source: TriMet



Downtown Gresham

Image Source: TriMet



# What Might the SW Corridor Look Like?



Bridges over Freeways



Town Center



Pedestrian Connections



Transit Center

All Images This Page Source: ZGF Architects

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