SOUTHWEST CORRIDOR
LIGHT RAIL PROJECT

GREAT PLACES
Corridor

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

Image Source: Bruce Forster
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

Image Source: TriMet
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

Portland International Airport

Bridgeport Village

Oregon Convention Center

Downtown Portland

Image Source: ZGF Architects

Image Source: ZGF Architects

Image Source: Bruce Forster

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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

Existing bus routes in & near Southwest Corridor

Image Source: Bruce Forster

Image Source: Mayer/Reed
A Spine of Connected Transportation Choices

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

Existing trails in & near the Southwest Corridor

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.
Who Does the Southwest Corridor Serve?
Historical Context: Trails to Roads to Rails

- 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. replaced the railroad line in 1932, becoming Interstate Route 99W.

• Auto-oriented development later shaped the character of the roadway & land use.

Image Source: Multnomah Historical Association

Image Source: Metro

Image Source: Metro

Image Source: Metro

Image Source: Metro
Historical Context: 1960s

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

Drivers License Division 1963

Auditorium District 1964

Tigard Interchange 1968
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

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

*one dot = one job

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

Southwest Corridor...daily!
Connected Institutions of Higher Education

- Oregon Health Sciences University
- Portland State University
- National University of Natural Medicine
- Portland Community College
- Sylvania Campus
- George Fox University Portland Center
- Lewis & Clark College

Image Source: Metro
Connected Health Care Services

Shriners' Hospital for Children
Oregon Health Sciences University
Doernbecher Children’s Hospital
Veterans Administration Medical Center
National University of Natural Medicine
The Portland Clinic

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

Before Light Rail Transit

After Light Rail Transit

After Light Rail Transit

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
- Johnson Creek Restoration
- Crystal Springs Creek Restoration
- 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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