

# Past, Present & Future

July 2023

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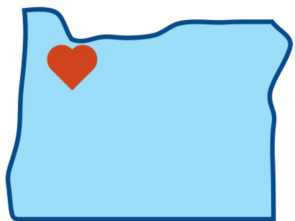
Director of Major Projects



# About TriMet



# By the numbers



Our region  
**1.8m**  
people



Our district  
**533**  
square miles



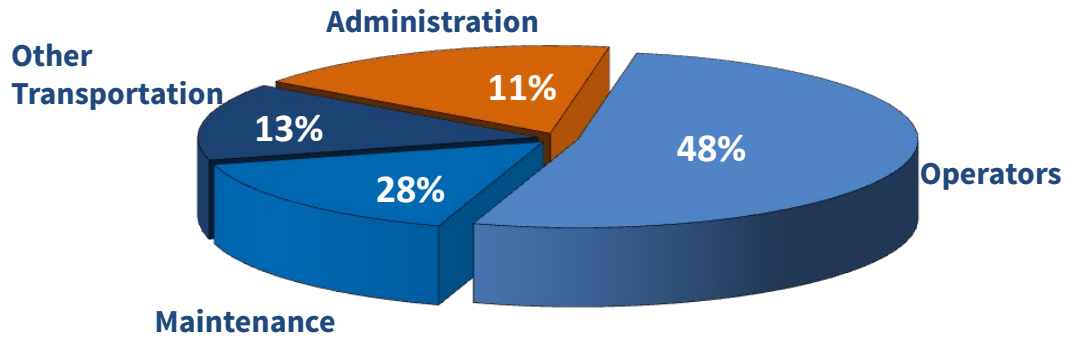
Buses  
**696** buses    **85** lines    **6,620** stops



MAX Light Rail  
**145** rail cars    **5** lines    **96** stations

# Who we are

## 3,000+ employees





# Why is transit important?

## Access & Mobility

- Jobs/employment, schools, parks, fun

## Sustainability

- Reduce traffic congestion
- Reduces greenhouse gases/ air pollution
- Improves land use

## Community

- Safe and inclusive
- Saves time and money
- Improves physical health

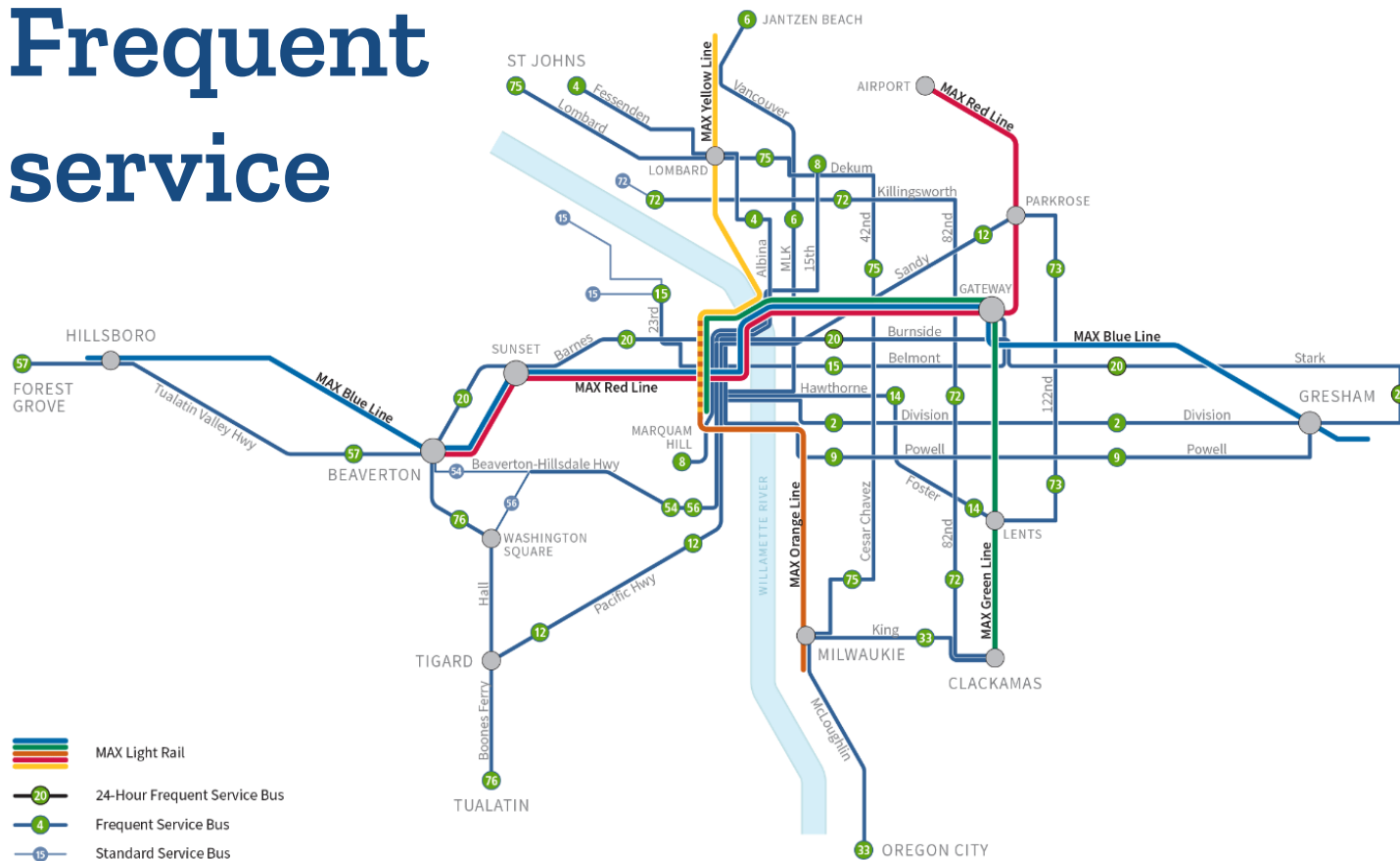


# Bus and rail network

- Serves three counties in the metro area — Clackamas, Multnomah and Washington



# Frequent service



-  MAX Light Rail
-  24-Hour Frequent Service Bus
-  Frequent Service Bus
-  Standard Service Bus

- 14 bus lines
- 5 MAX Lines
- 164-mile network
- ~15 minute service throughout day
- Majority of bus boardings



# MAX Light Rail



- MAX = "Metropolitan Area Express"
- Launched in 1986
- 5 lines, 96 stations
- 2 rail yards
- MAX Orange Line most recently added in 2015
- FY22 ridership: ~18.6 million trips



# Bus service



- 85 lines
- 1 FX (Frequent Express) line
- FY22 ridership:  
~31 million trips



# WES Commuter Rail



- WES = "Westside Express Service"
- 14.7 miles
- 5 stations
- Peak period service only
- FY22 ridership: ~103,000 trips

# LIFT Paratransit

- 260 minibuses
- 15 LIFT Vans
- Door-to-door service
- FY22 Ridership:  
~438,000 trips





# Portland Streetcar



- First modern streetcar in the U.S.
- Began service July 2001 between Portland State University and NW 23<sup>rd</sup> Avenue
- Operated by the City in partnership with TriMet
- Now operates 3 lines
  - North/South line from South Waterfront to NW 23<sup>rd</sup> Avenue
  - A & B Loops connect the Pearl District, Lloyd, Central Eastside Industrial District, Portland State University and Downtown



# Electronic fare system: Hop Fastpass



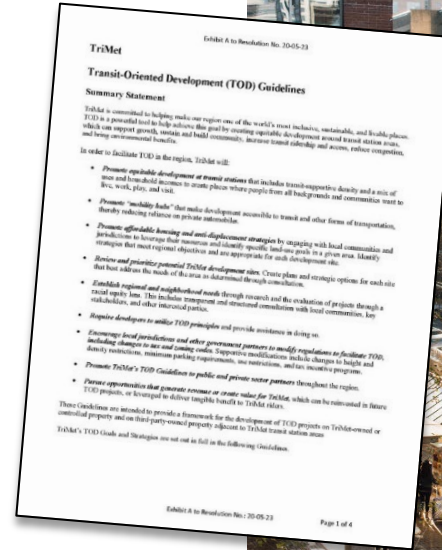
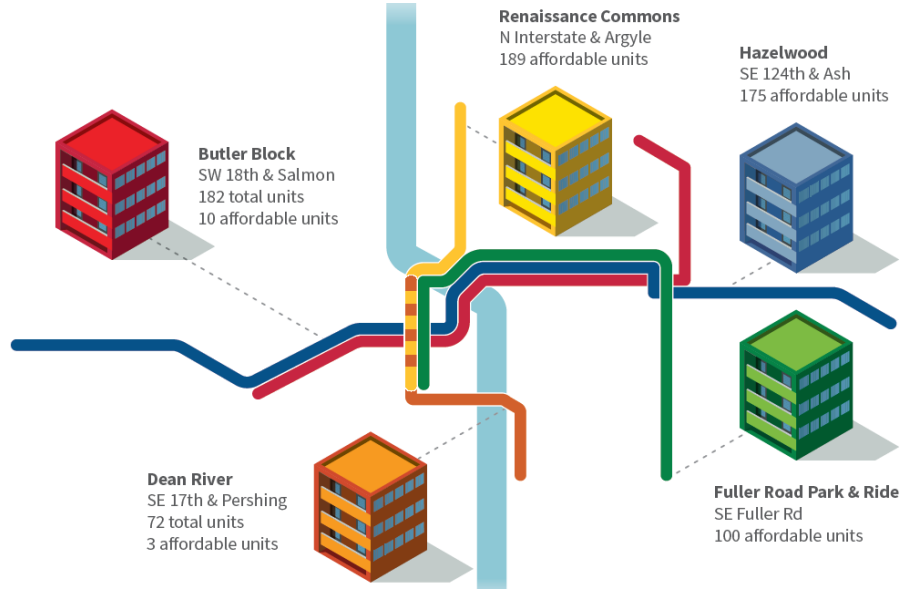
- Electronic fare system launched in 2017
- Riders tap card reader with Hop card, Hop ticket, phone or contactless credit/debit card
- Regional system that works on TriMet, Portland Streetcar and C-TRAN



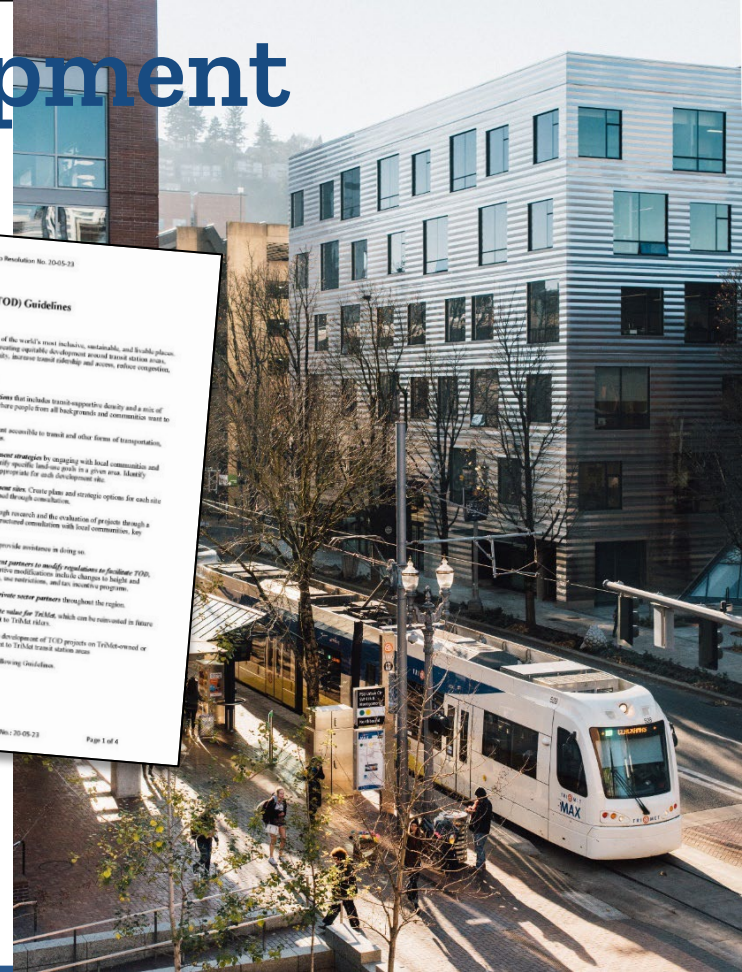
## Fare capping

- Day and monthly pass benefits
- Reduced fares for seniors, youth, people with disabilities and people who qualify based on income

# Transit-oriented development



Over **\$21.9 billion** invested within walking distance of MAX platforms

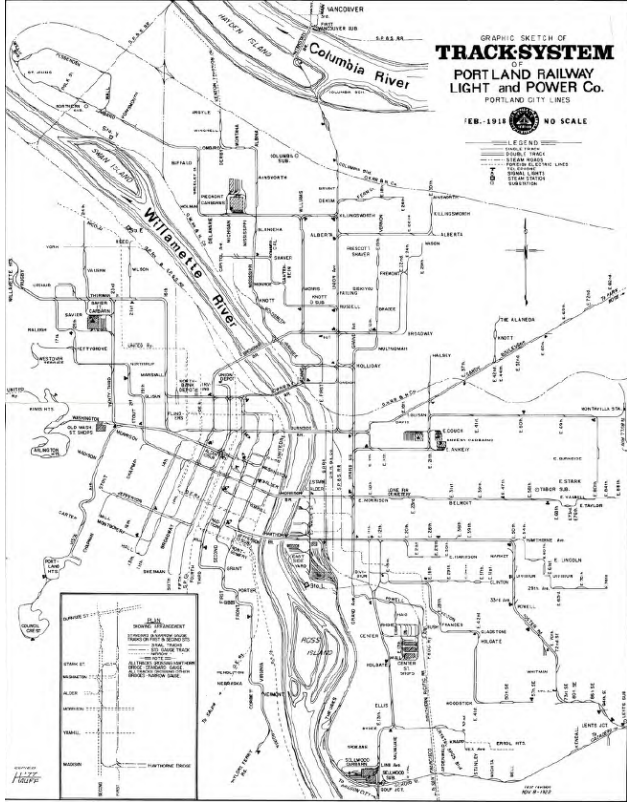
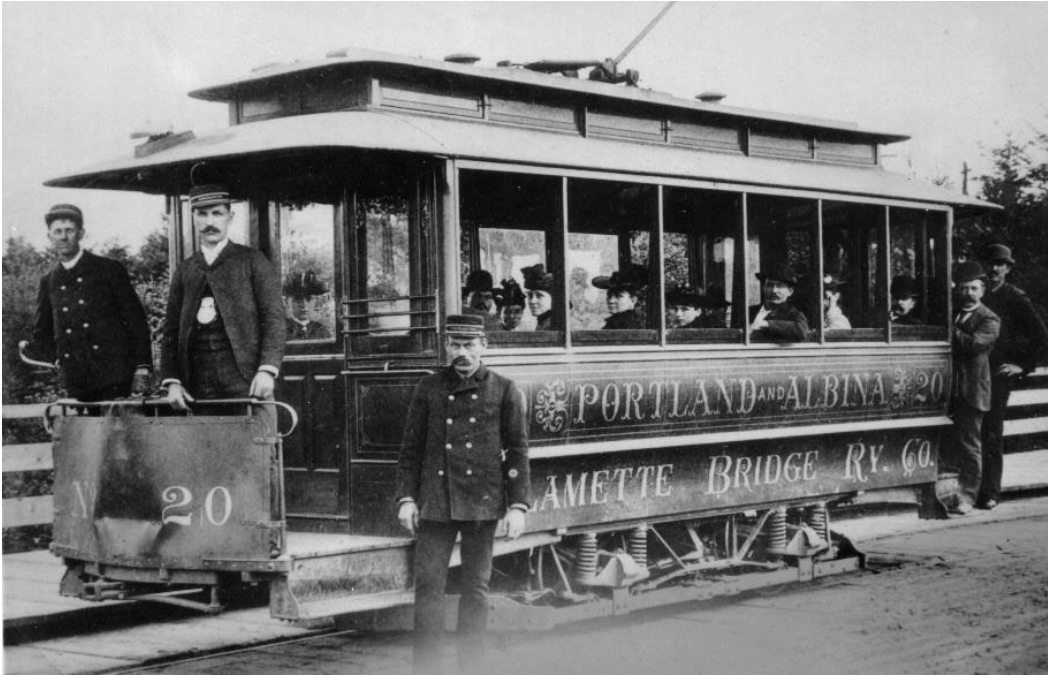


# How did we get here?





# Shaping the Future: Then

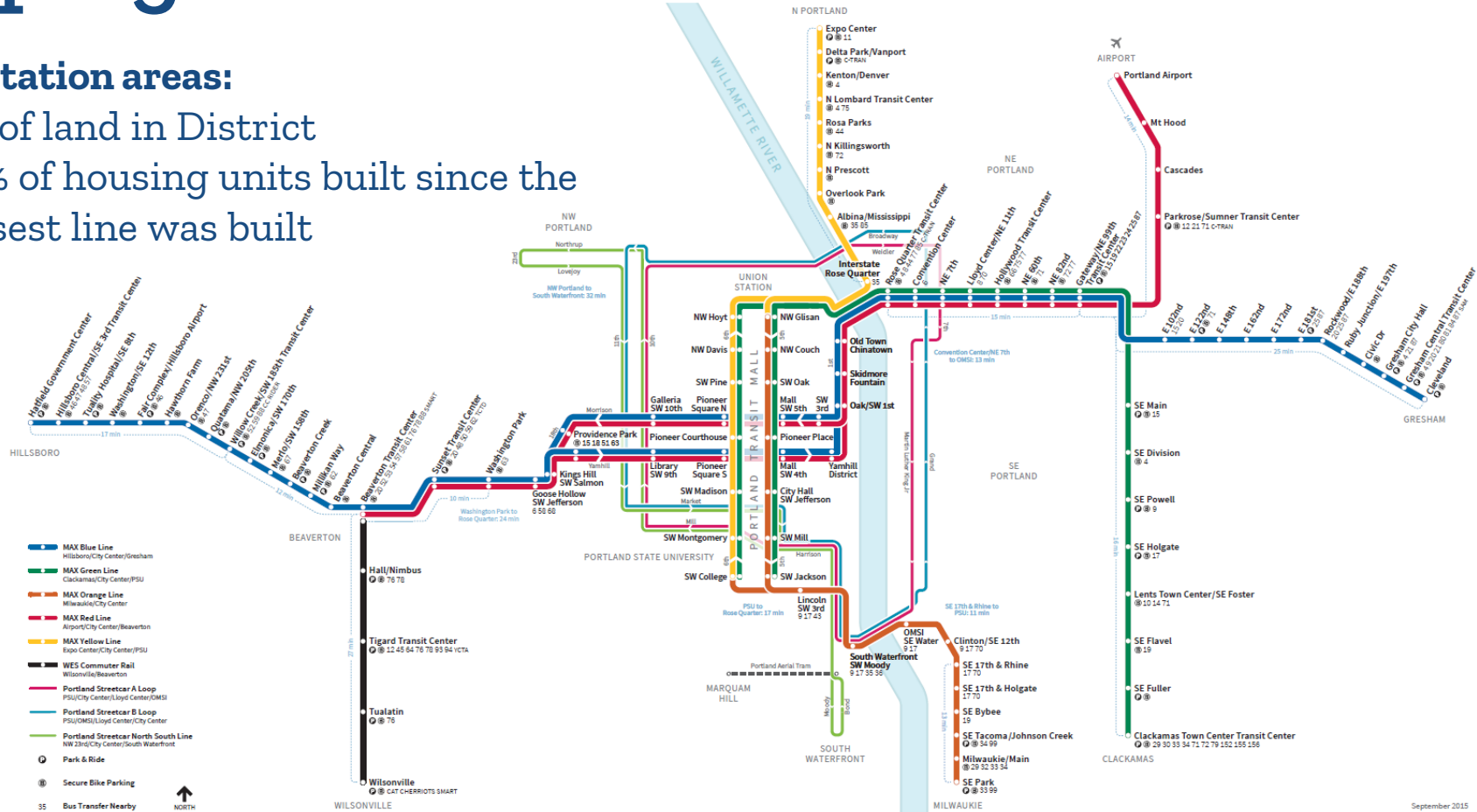




# Shaping the Future: Now

## MAX Station Center areas:

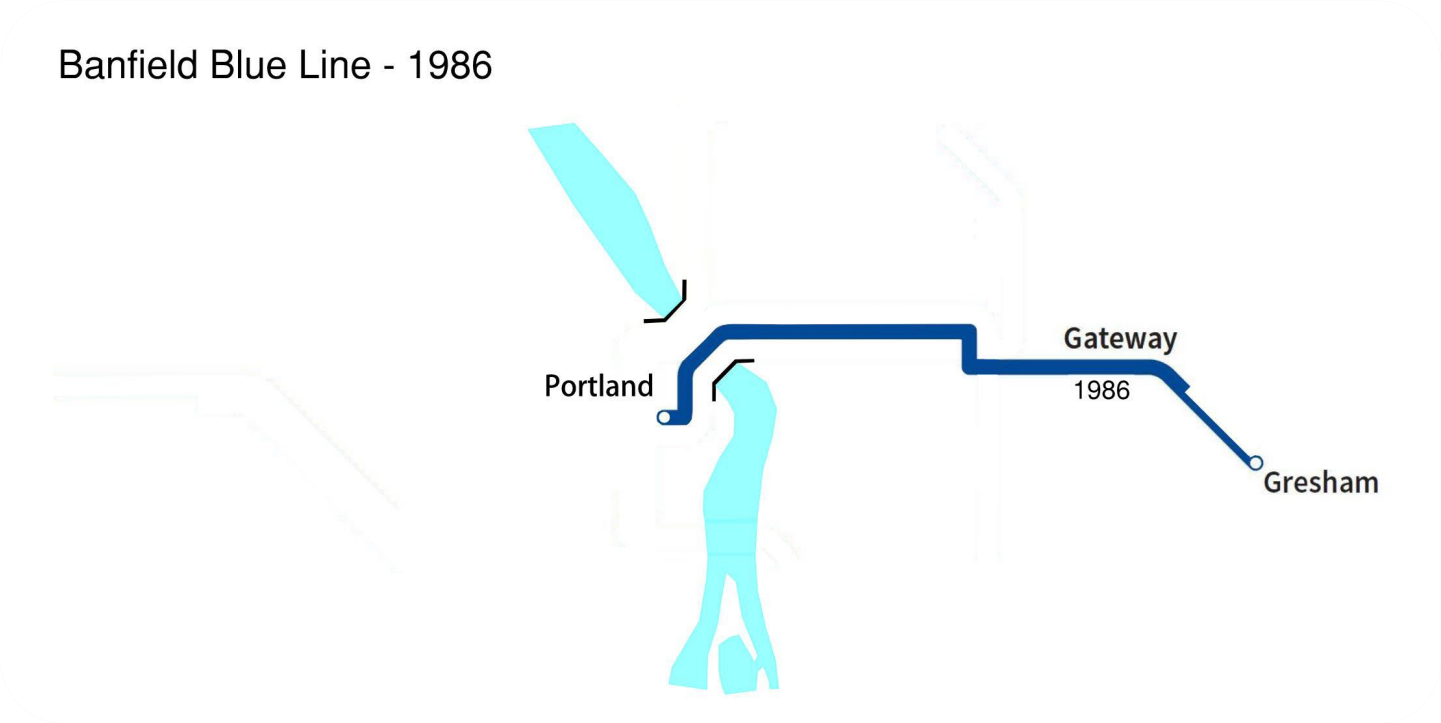
- 6% of land in District
- 39% of housing units built since the closest line was built



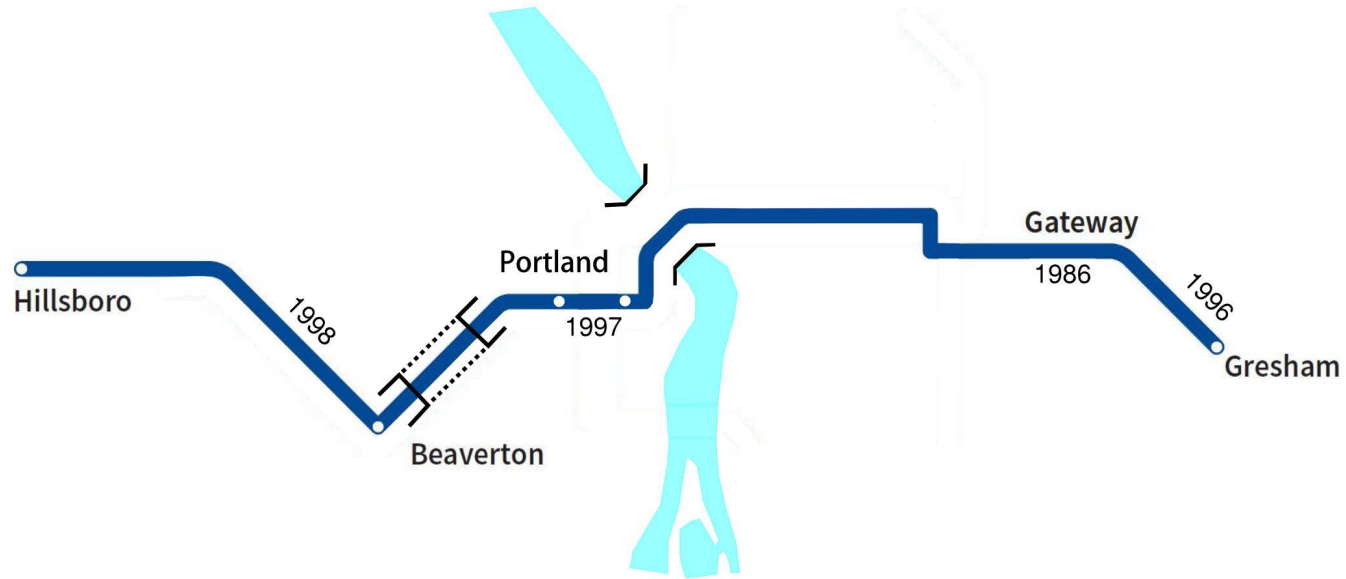
# Building the light-rail system



Banfield Blue Line - 1986

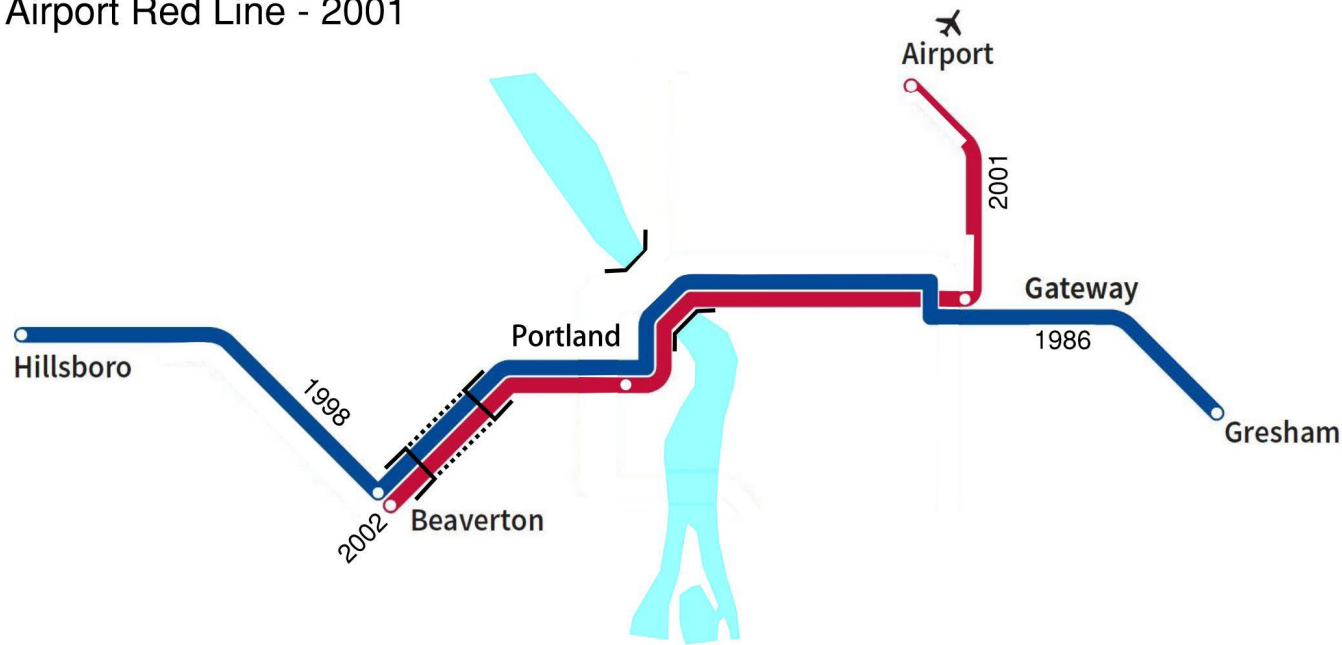


## Westside Blue Line - 1998





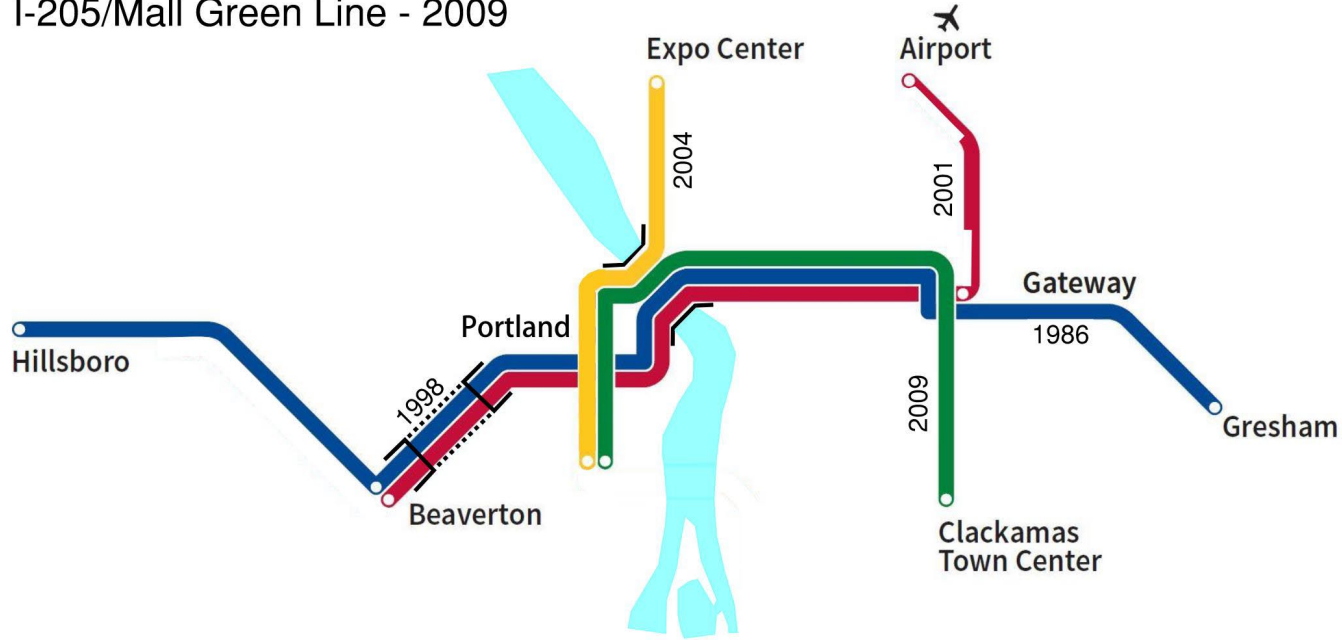
# Airport Red Line - 2001



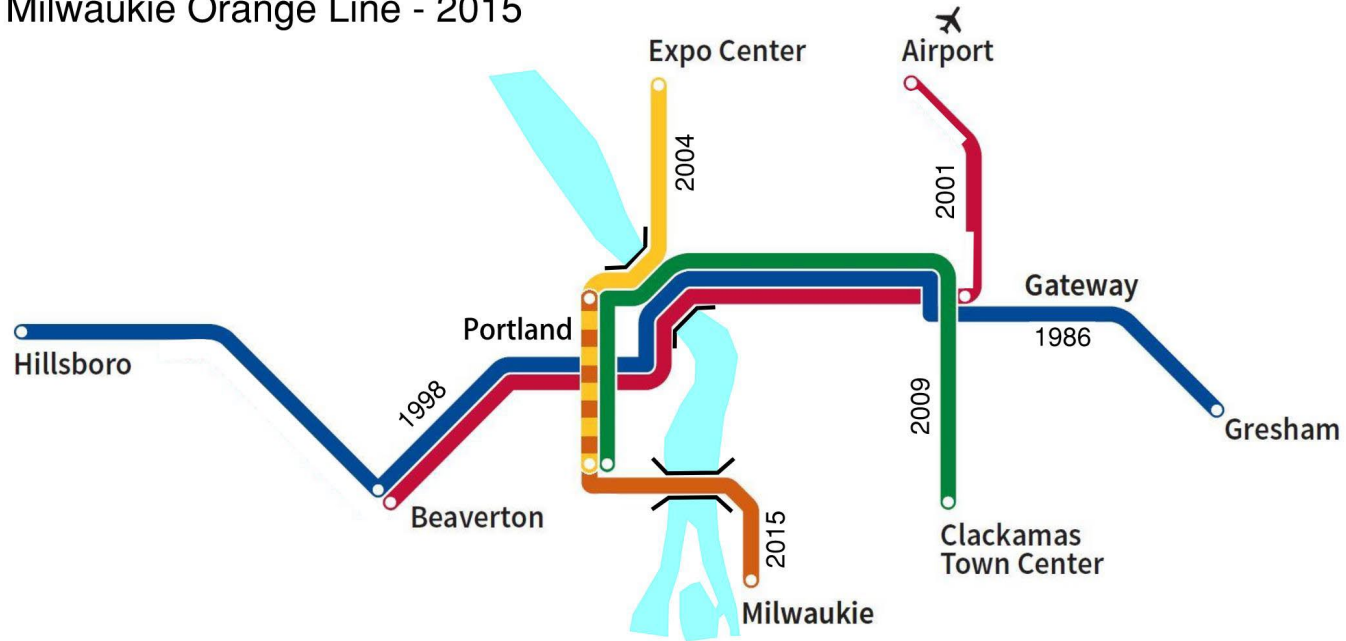
## Interstate Yellow Line - 2004



# I-205/Mall Green Line - 2009



## Milwaukie Orange Line - 2015





# Most recent projects



# MAX Orange Line



- Serves 17 stations connecting Downtown Portland with Milwaukie
- Launched in 2015
- Features iconic bridge (transit, walking and biking only)



# Tilikum Crossing, Bridge of the People

- Carries MAX Orange Line trains, buses, streetcars, cyclists and pedestrians over the Willamette River
- Largest car-free bridge in U.S.
- 1,720 feet long
- First bridge built over the river since Fremont Bridge in 1973



# Powell Bus Garage



- Remodel finished in 2022
- Office and infrastructure upgrades
- Home of FX bus fleet and for standard bus
- Lighting, roadway and safety upgrades

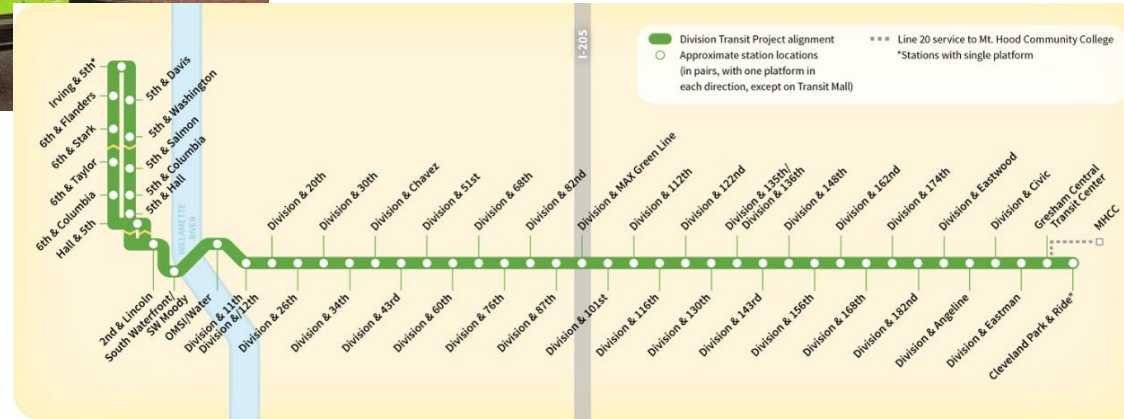


# DIVISION

TRANSIT PROJECT



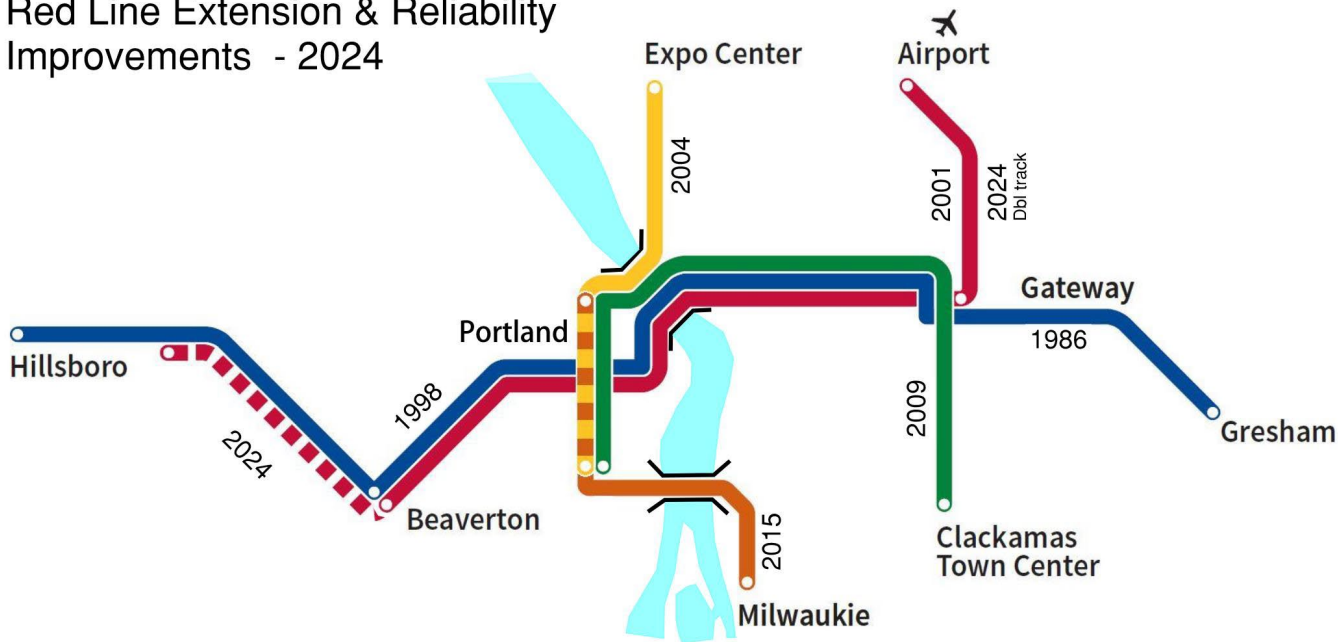
- 15 miles of enhanced service from Downtown Portland to Gresham
- 42 stations with 83 platforms – 1/3 mile approximate station spacing
- 15% -20% average improvement in travel times over existing service
- New 60-foot articulated buses with two boarding doors



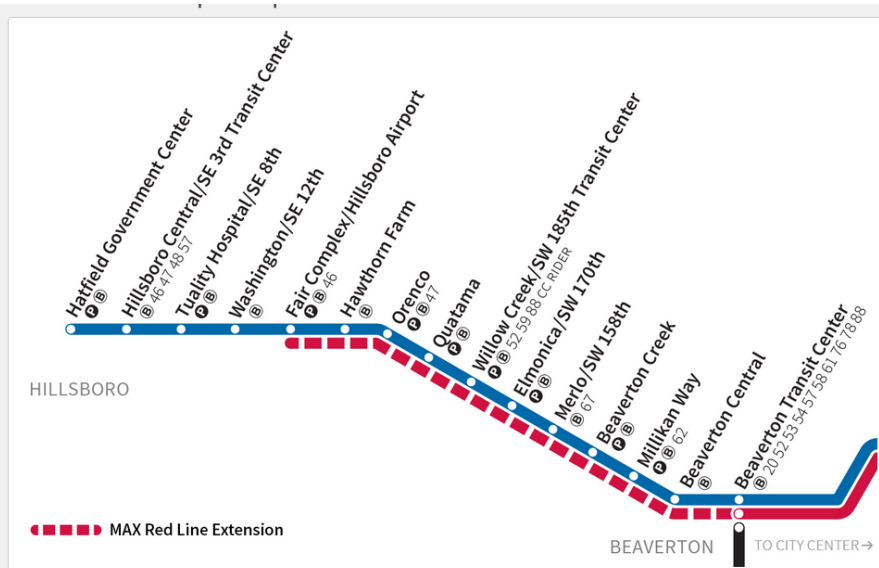
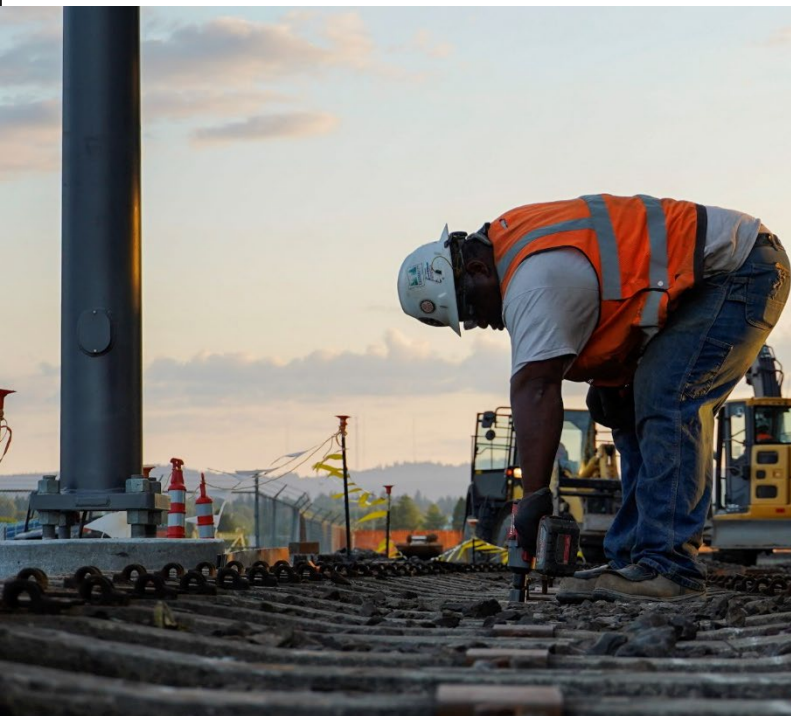
# A BETTER RED



Red Line Extension & Reliability Improvements - 2024



# A BETTER RED



- Hatfield Government Center
- Hillsboro Central/ SE 3rd Transit Center @ 40 41 48 57
- Tuality Hospital/ SE 8th
- Washington/ SE 12th
- Fair Complex/ Hillsboro Airport @ 46
- Hawthorn Farm
- Orenco @ 47
- Quatama
- Willow Creek/ SW 185th Transit Center @ 52 59 88 CC RIDER
- Elmonica/ SW 170th @ 67
- Merlo/ SW 158th
- Beaverton Creek
- Millikan Way @ 62
- Beaverton Central
- Beaverton Transit Center @ 20 32 33 54 57 58 61 76 78 88

MAX Red Line Extension

- Fair Complex/ Hillsboro Airport
- Hawthorn Farm
- Orenco
- Quatama
- Willow Creek/ SW 185th Transit Center
- Elmonica/ SW 170th
- Merlo/ SW 158th
- Beaverton Creek
- Millikan Way
- Beaverton Central



# Future projects



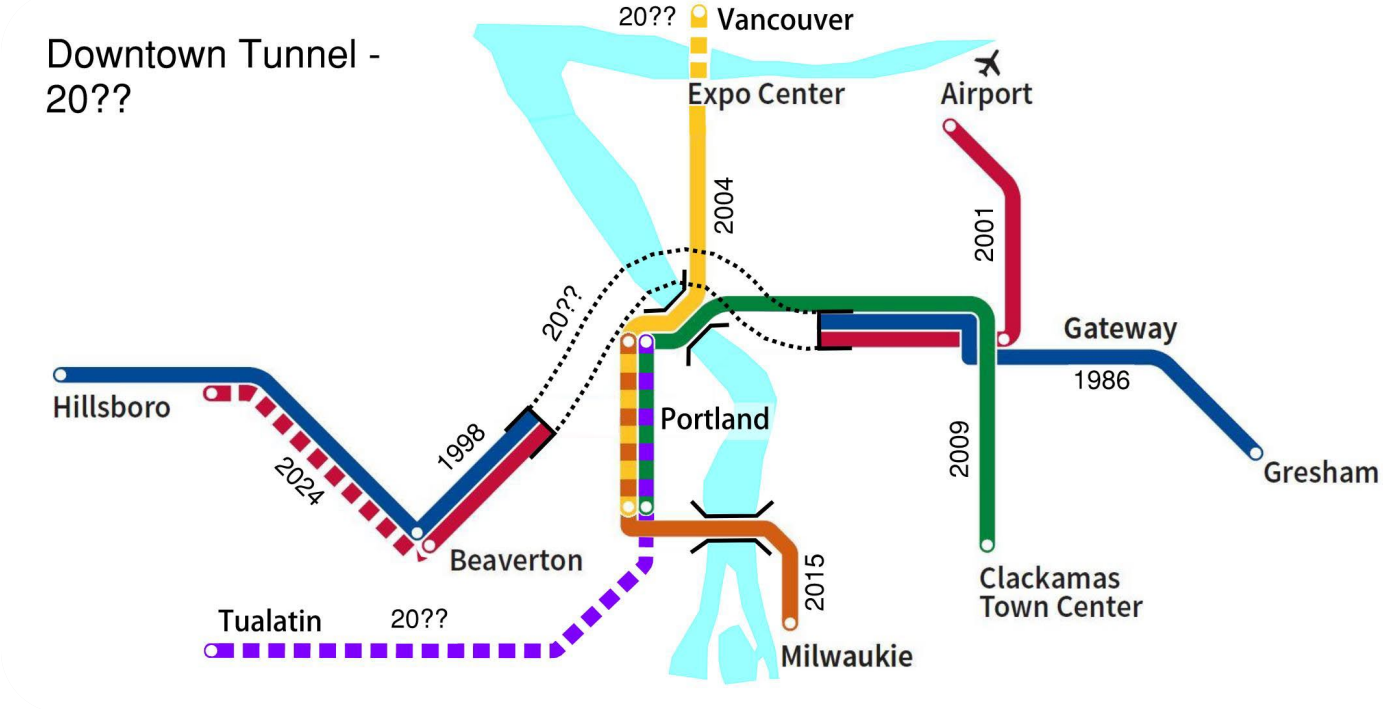


# Transit priorities

- State of Good Repair
- Build total transit system
- Expand high capacity transit
- Expand Frequent Service
- Improve local service



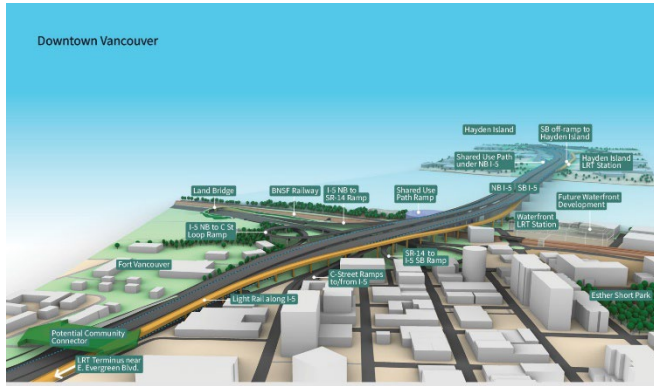
# Future Rail Projects



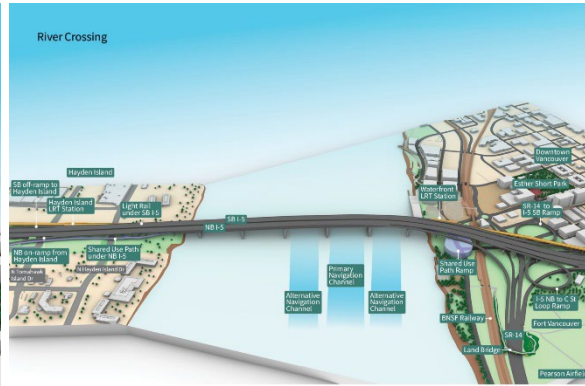
# Interstate Bridge Replacement Program

- **Light rail** – Extend light rail into Vancouver, WA
- **Bus rapid transit connections** – Connect with existing and planned C-Tran BRT network in Vancouver
- **Express bus** – Operate on shoulder
- **New stations** – Construct 3 new stations (1 in Oregon and 2 in Washington)

Downtown Vancouver



River Crossing



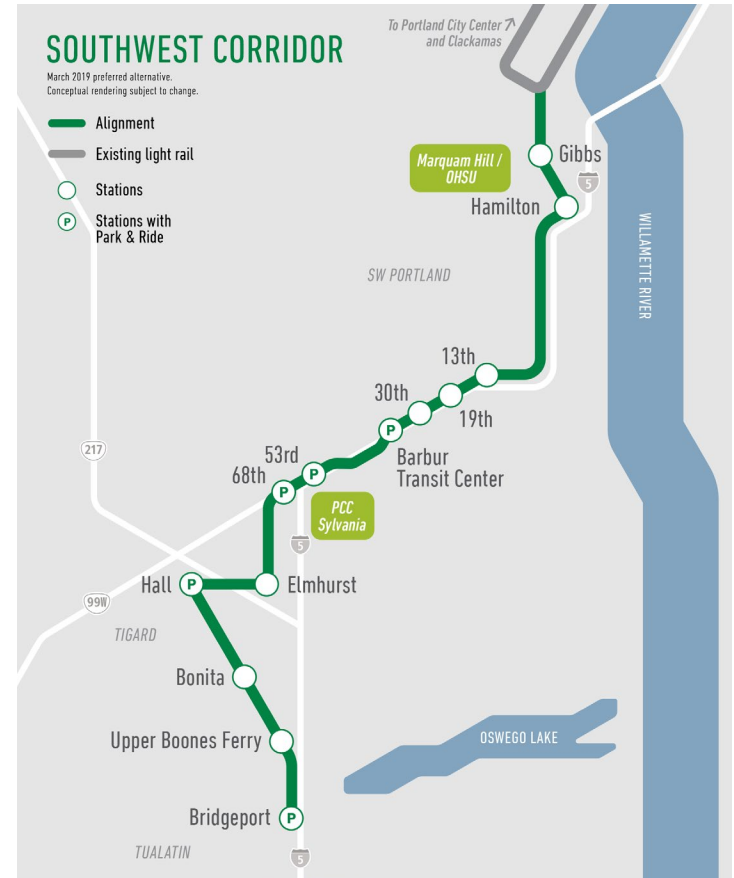
Partial Interchange



# SOUTHWEST CORRIDOR LIGHT RAIL PROJECT



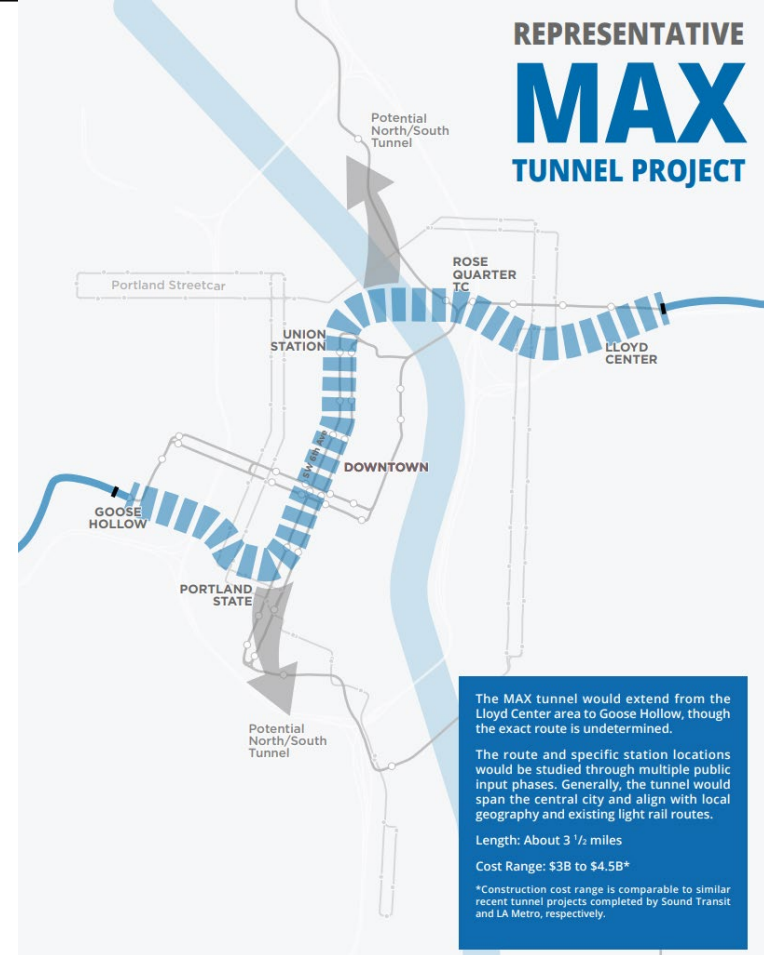
- **Light rail** – provide better access to jobs & schools
- **Enhanced** bus connections – with transit-only lanes
- **Safer Streets** – new lighting, bike, sidewalk facilities
- **Station Density & Equitable Development** – support new affordable housing development





# MAX Tunnel

- **Travel Time Savings** – Improves travel time by 11 to 13 minutes depending on origin/destination
- **Improved Reliability** – On time performance improves from 88% today to 94% with the tunnel
- **Speed** – Trains in the tunnel operate ~20% faster
- **Resiliency** – Offers a critical link to help recover from natural disaster



# Montgomery Park Streetcar

- Extension of North/South Line to Montgomery Park office building
- 1.3 miles / 3 stations / 100% off-wire
- New mixed use development
  - Approx. 3,000+ new units of housing including 300+ affordable housing

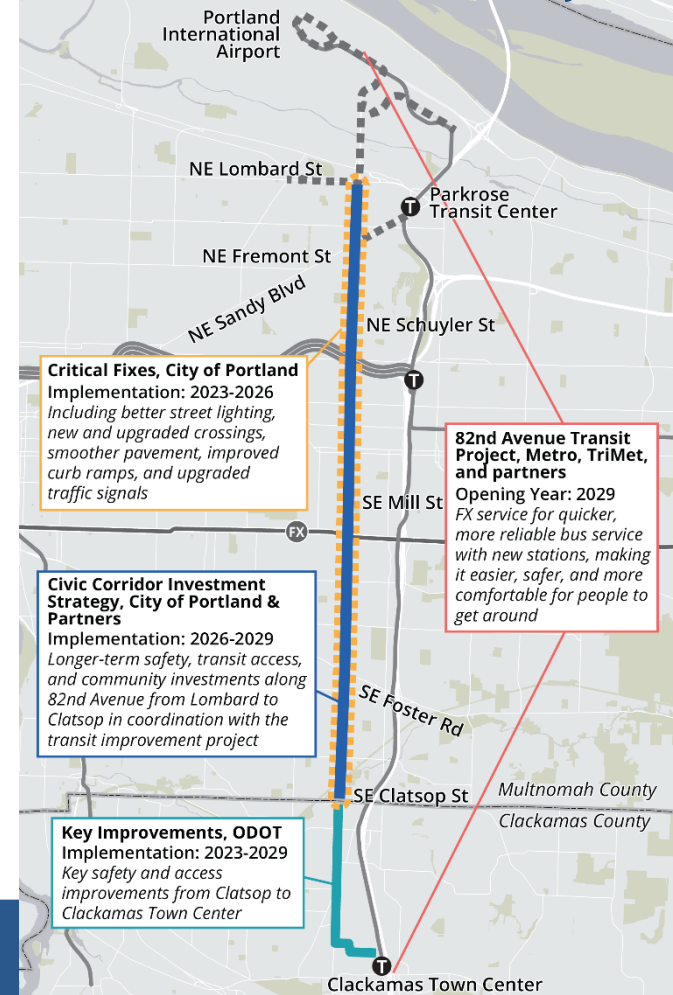


# Future FX projects

## TV Highway Transit Project



# 82<sup>nd</sup> Avenue Transit Project





# Climate Action Plan



# 100% renewable energy



- MAX, our electric buses and all of our facilities are 100% powered by renewable electricity.
- This reduces our greenhouse gas emissions by nearly 24%.
- All electricity we purchase now comes from natural resources such as the sun and wind.



# Investing in our fleet

First fully  
electric bus



All buses began using  
renewable diesel in 2021



# The "Desert Rose"

First 60-foot bus conversion from diesel to battery electric





# Goal: Zero-emissions bus fleet by 2040



- 24 more electric buses to be added to fleet in fall 2023
- Can travel between 150 and 200 miles on a single charge

# THANK YOU!

**Jamie Snook**

Director of Major Projects

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