

# Regional Enhanced Transit Concepts (ETC)

A data driven approach to planning and design for  
the Portland region's first major transit priority  
projects

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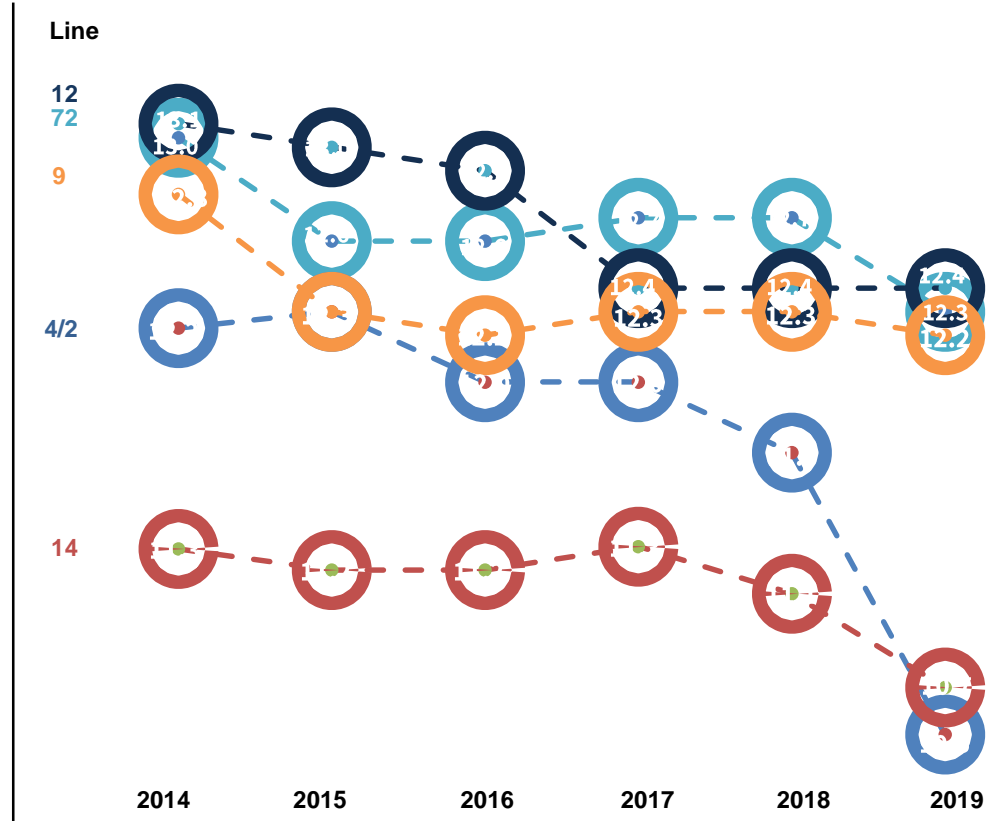
# Today's Agenda

- What is Enhanced Transit Concept (ETC)?
- Completed transit projects
- Projects in progress
- Upcoming transit projects
- Benefits
- Next steps
- Q&A



# Buses are getting stuck in traffic, trips take longer

## Average Speed (mph)



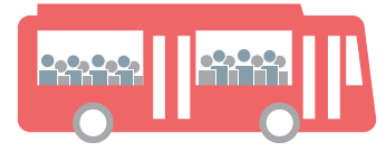
# What is Enhanced Transit Concept (ETC)?

- Partnerships
- Dedicated bus lane
- Business access and transit (BAT) lane
- Pro-time (peak period only) transit lane
- Queue jump / right turn except bus
- Transit signal priority and signal improvements
- Transit-only aperture
- Multi-modal interactions
- Bus stop consolidation
- Curb extension at stops/stations
- Far-side bus stop placement



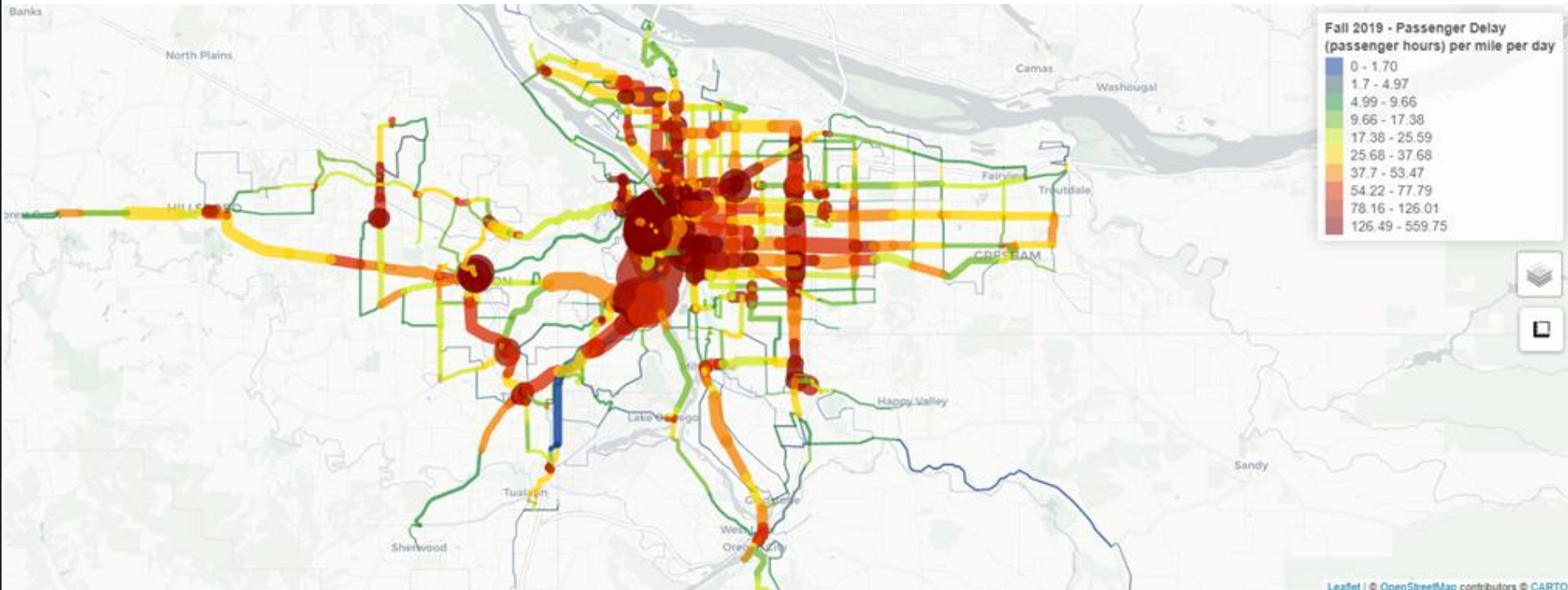
# Regional ETC Pilot Program

- Received \$5M from Regional Flexible Funds to develop program
- Improve transit reliability, speed and capacity
- Identify, design and build a set of Enhanced Transit projects
- Develop a pipeline of Enhanced Transit projects





# Regional transit delay map



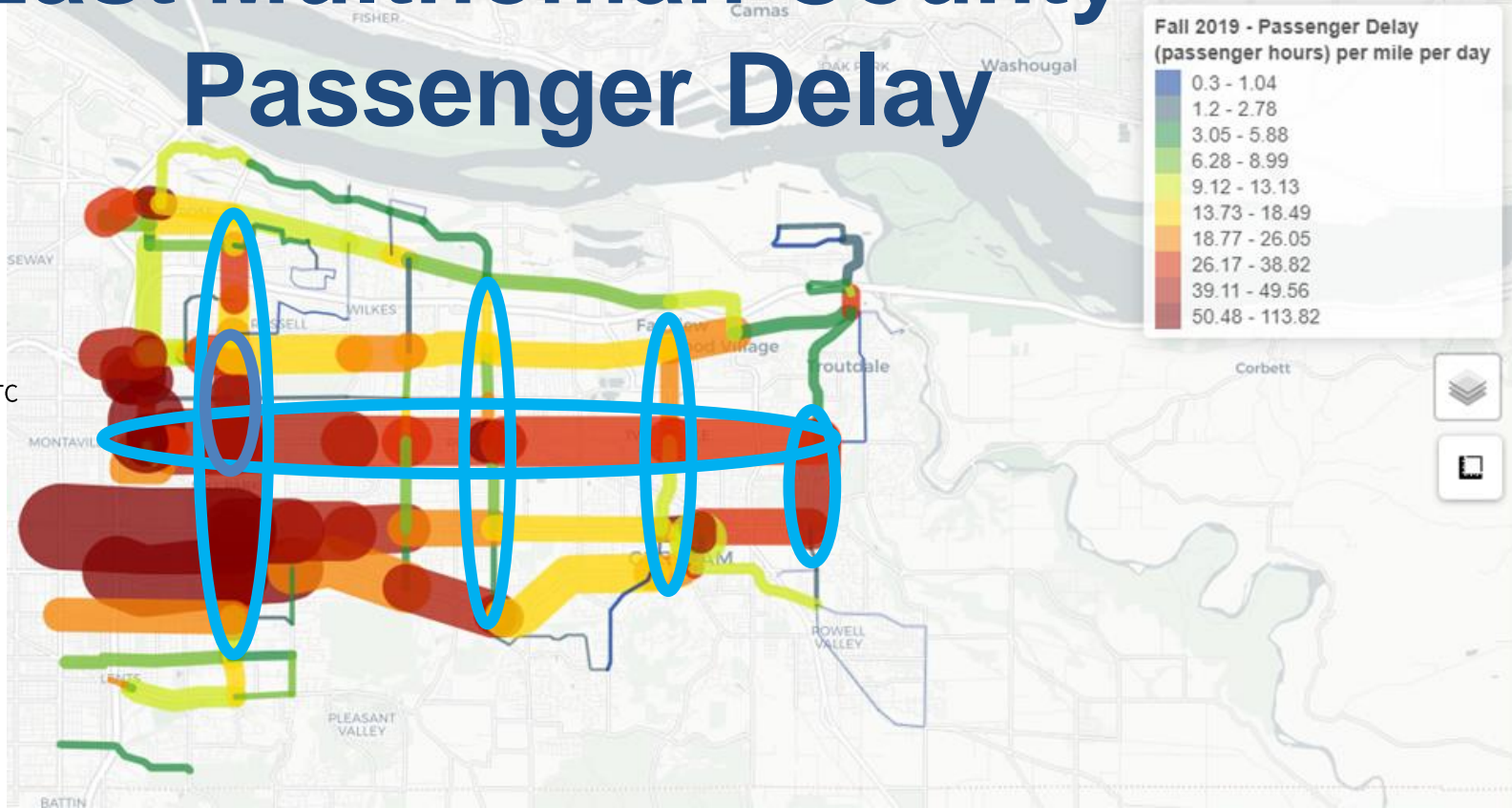
# Initial ETC Projects – concept designs

- Dashboard development
- Funding measure project development
- Red Paint
- SW Madison
- NW Everett
- Burnside (Burnside Bridge/E Burnside)
- E Burnside/ 16<sup>th</sup> Avenue
- 122<sup>nd</sup> Avenue
- MLK/Grand couplet
- Hawthorne/Madison
- Hall / Allen
- Multnomah Blvd.
- Hillsboro Transit Center
- 185<sup>th</sup> / Cornell
- TV Highway
- McLoughlin
- Capitol Highway
- Sandy Blvd
- SW Alder
- NE Couch

# East Multnomah County – Passenger Delay

Concepts/designs developed through:

-  Regional ETC workshop only
-  Regional ETC program
-  Regional Funding Measure
-  Constructed ETC improvements





# COMPLETED PROJECTS

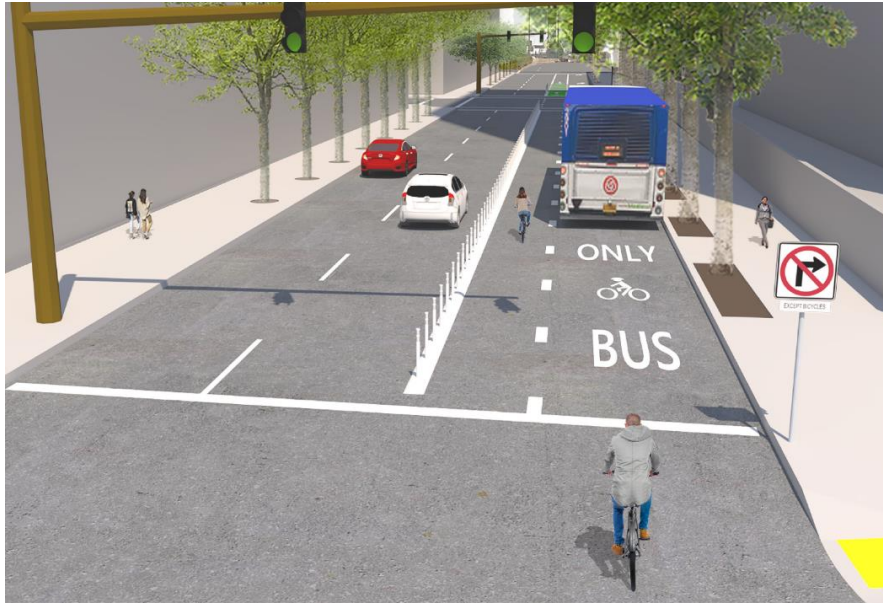
The Big Three (SW Madison, NW Everett, Burnside Bridge)

MLK/Grand

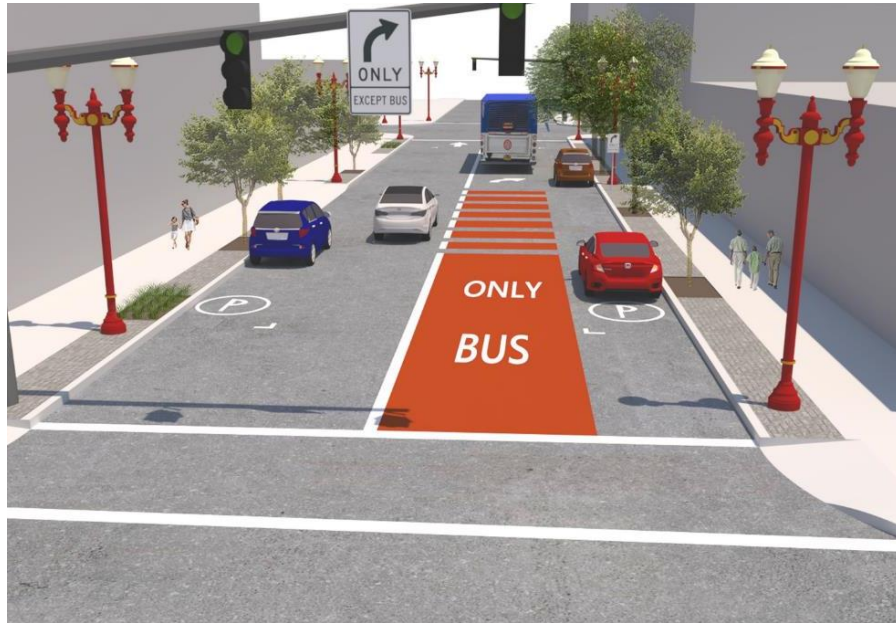
185<sup>th</sup> and Cornell

Red Paint

# SW Madison – proposed and implemented Summer 2019



# NW Everett – proposed and implemented Summer 2019

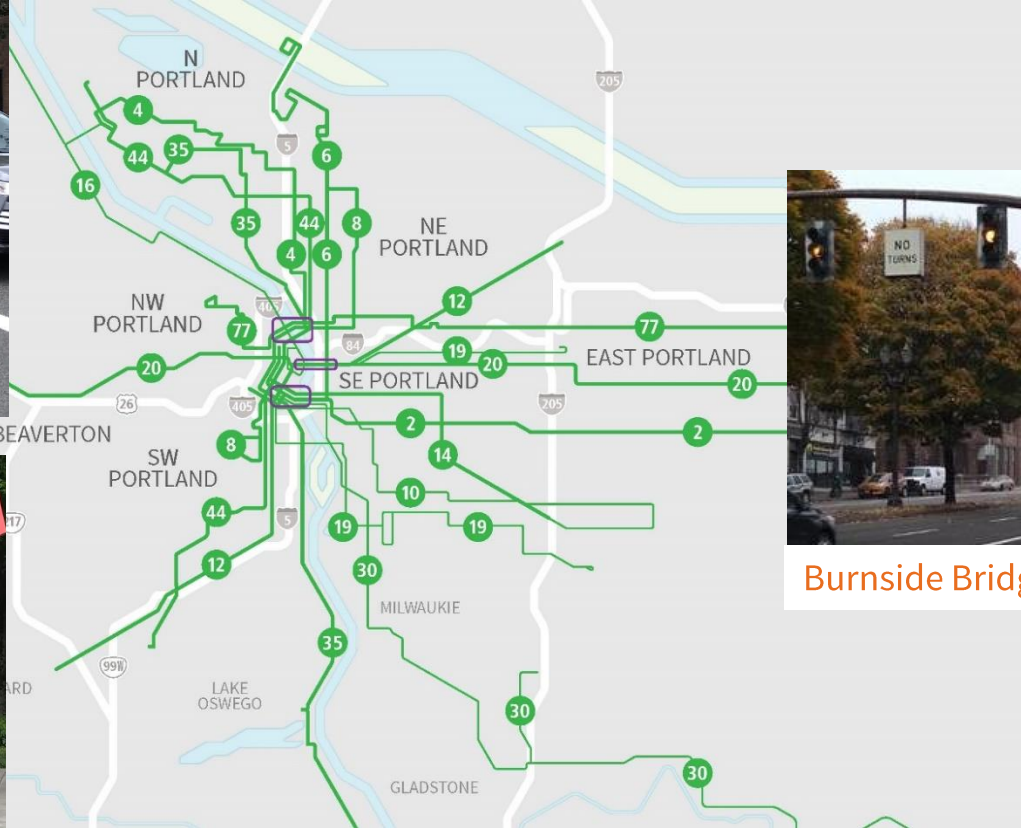




# Burnside Bridge – proposed and implemented – Fall 2019



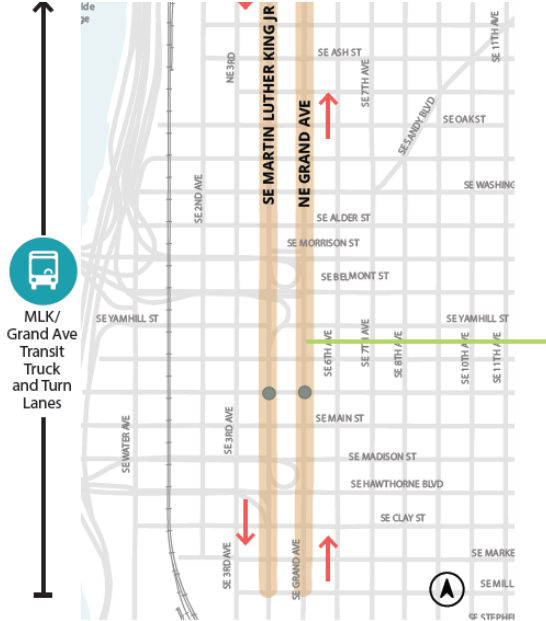
# The Big Three – completed in 2012/9



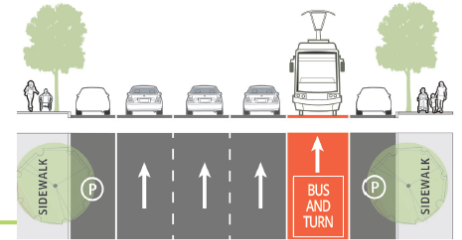


# MLK/Grand BAT lanes

## Line 6 & Streetcar implemented Fall 2020



**GRAND AVE - BURNSIDE TO BROADWAY**  
view looking north



# 185<sup>th</sup> and Cornell, Washington County

## Lines 48/52

### Completed Fall 2020





# Red Paint projects

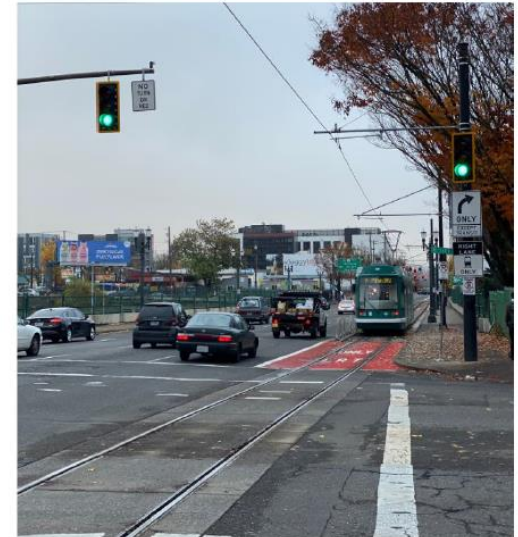
SW Main from  
1<sup>st</sup> to 2<sup>nd</sup> Avenue



NE Grand at  
Burnside & at Couch



NE MLK at  
Lloyd Boulevard



# PROJECTS IN PROCESS

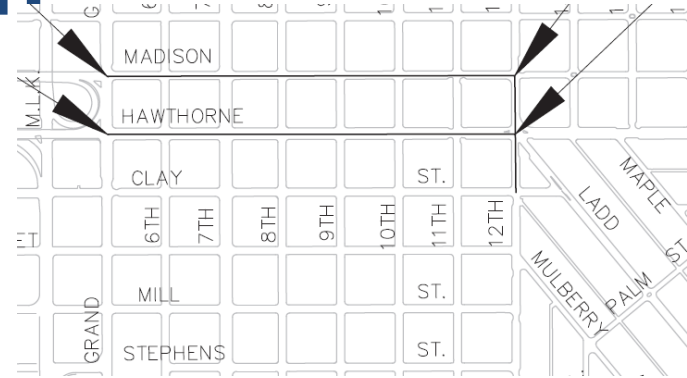
**East Burnside (MLK to SE 12<sup>th</sup>) – Lines 12,19,20**

**SE Hawthorne/Madison (Grand to SE 12<sup>th</sup>) – Lines 2/14**

# SE Hawthorne/SE Madison



SE Madison Street at Grand Avenue  
Facing east



SE Hawthorne at 6<sup>th</sup> Ave  
Bus Island prototype



# E Burnside (Phase 2)



# SE Hawthorne/SE Madison



SE Madison Street at Grand Avenue  
Facing east

SE Hawthorne at 6<sup>th</sup> Ave  
Bus Island prototype



# East Burnside



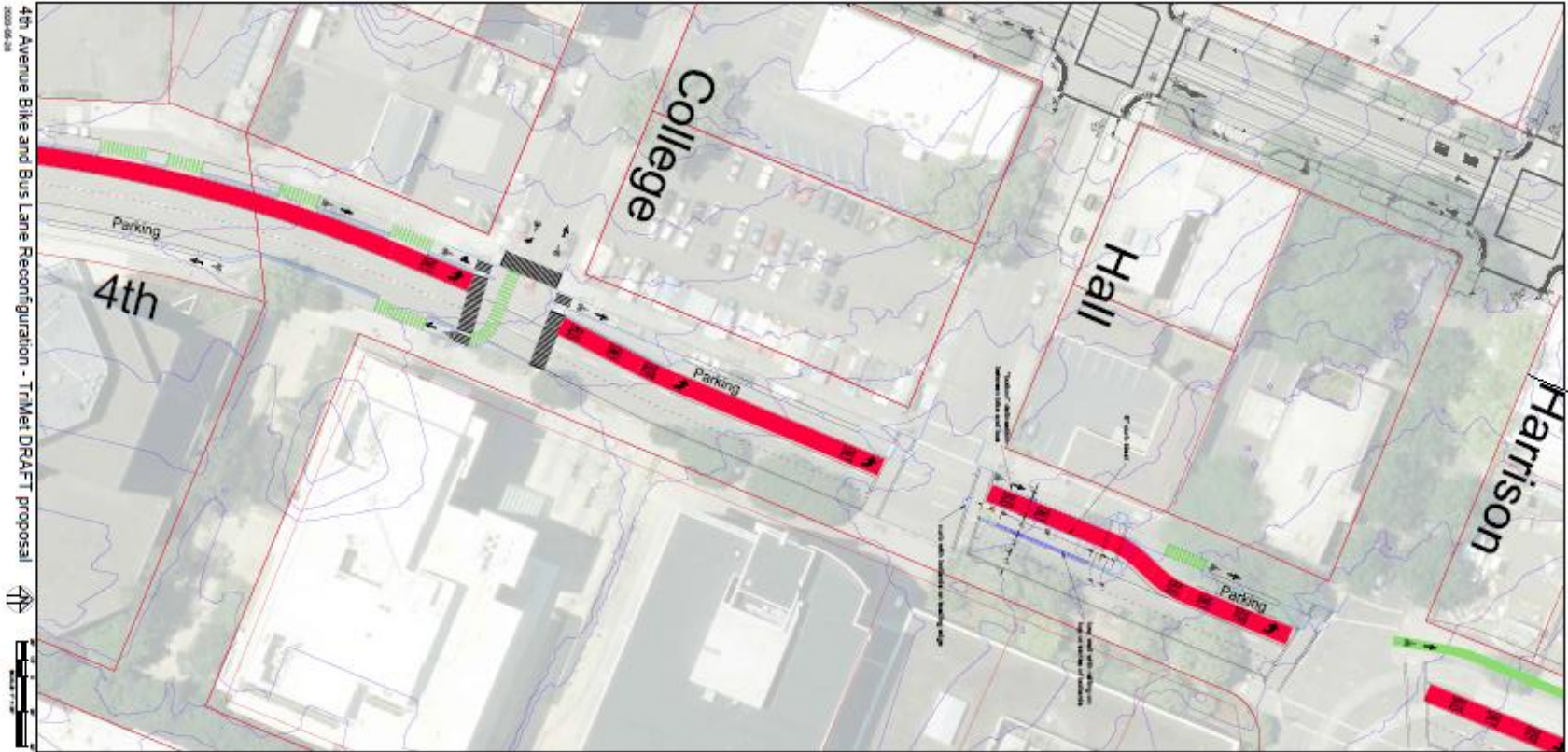
# Supporting other local projects to improve transit

## SW 4<sup>th</sup> Avenue (City of Portland Fixing Our Streets)

- Lines 9,12,17,19,43,44, and future Division Transit Project



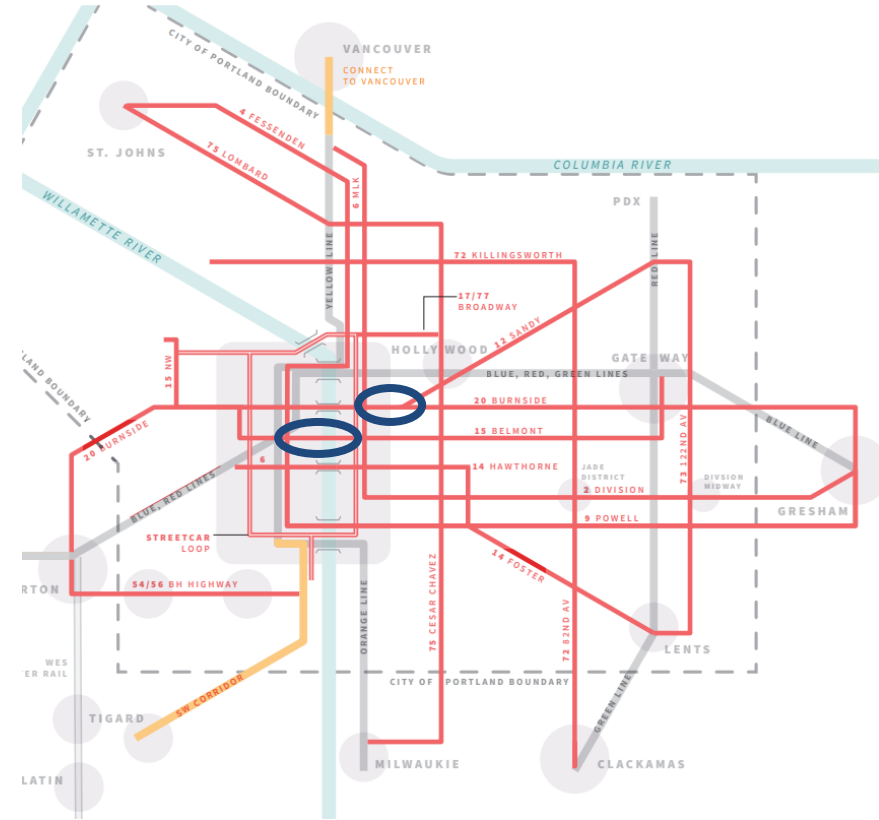
# SW 4th Avenue



# UPCOMING PROJECTS

## City of Portland Rose Lane Project

- SW Alder (Lines 15/51)
- NE Couch (Lines 12/19/20)

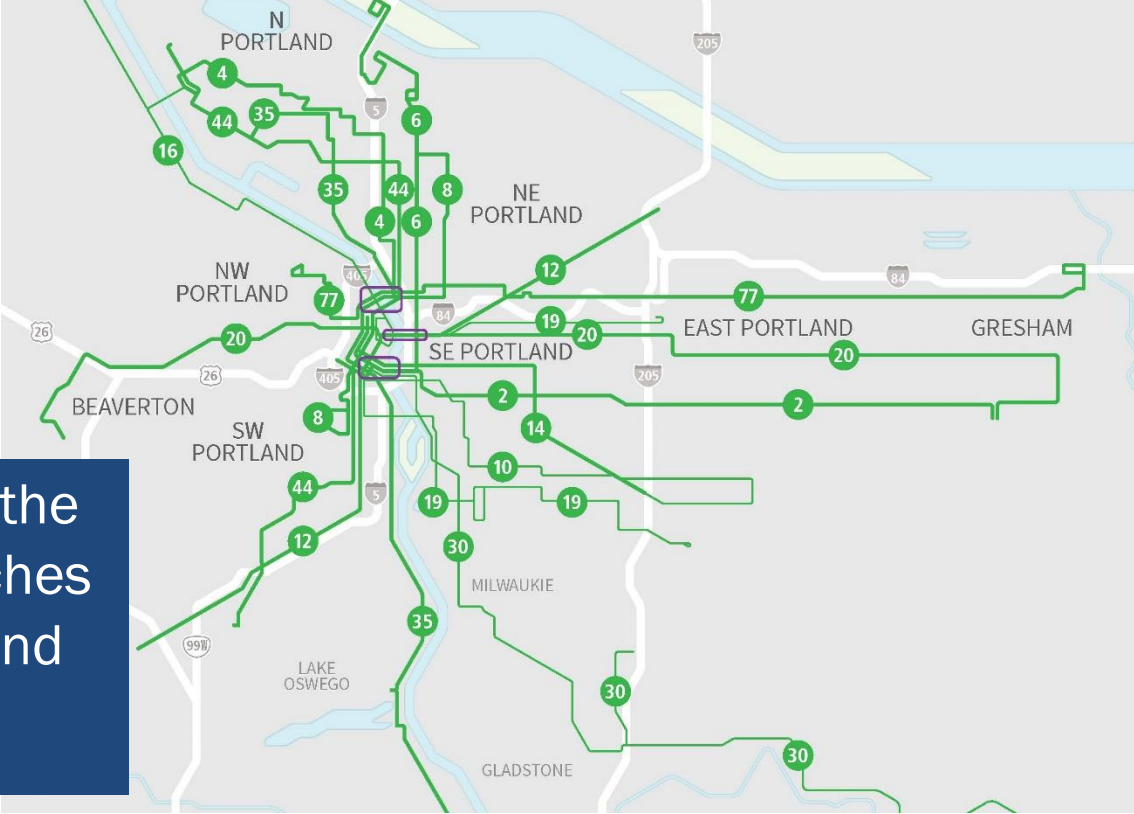




# PROJECT BENEFITS

# BIG THREE SYSTEM BENEFITS

Transit lines benefitting from the improvements to the approaches to the Hawthorne, Burnside and Steel Bridges



# Travel Times Savings

Average PM Peak Travel time savings for  
“Big Three” projects:

SW Madison: 40 seconds

NW Everett: 1 minute 12 seconds

Burnside Bridge: 1 minute 29 seconds



# ETC Big Three Onboard and Online After Project Survey

- Survey of riders traveling eastbound across the Hawthorne, Burnside and Steel Bridges
- 1/13/20 - 1/22/20
- 1,815 responses

**We discovered...**

# **EVERYONE LOVES BUS PRIORITY!**

**Average PM Peak  
Travel time savings:**

**SW Madison: 40 seconds**

**NW Everett: 1 minute 12 seconds**

**Burnside Bridge: 1 minute 29 seconds**

**Average Perceived travel  
time savings:**

**SW Madison: 5 minutes 47 seconds**

**NW Everett: 7 minutes 18 seconds**

**Burnside Bridge: 8 minutes 18 seconds**





# Next steps – what can we do?

## ETC Opportunities:

- Continue with ETC projects: Alder & Couch next
- City of Portland Rose Lane program
- Multnomah County?
- Future roadway projects?
- RFFA opportunities?

# THANK YOU!

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