



Urban Mobility
STRATEGY

WASHINGTON STATE TRANSPORTATION COMMISSION

July 19 2022



Utilizing pricing to manage congestion and contribute funding to Oregon Regional Transportation System

Agenda – ODOT Toll Program

- Project Overview
- Schedule
- Update Toll Program
- Equity and Tolls

Project Overview

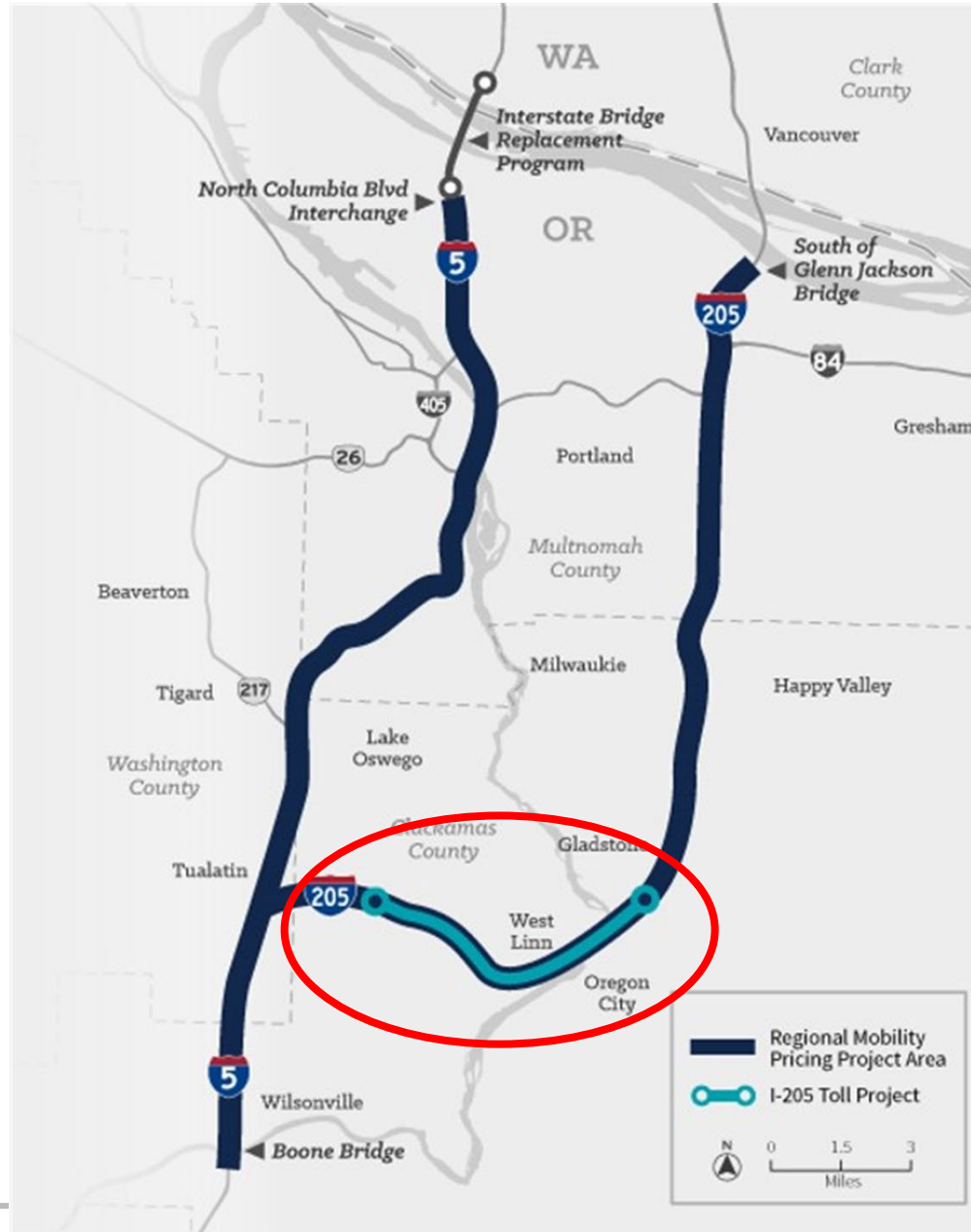
- Projects
 - I-205
 - RMPP
 - IBR
- Statewide Toll Program
 - Policy
 - Rate setting
 - Toll Program Go-Live



I-205 Bridges

I-205 Bridges

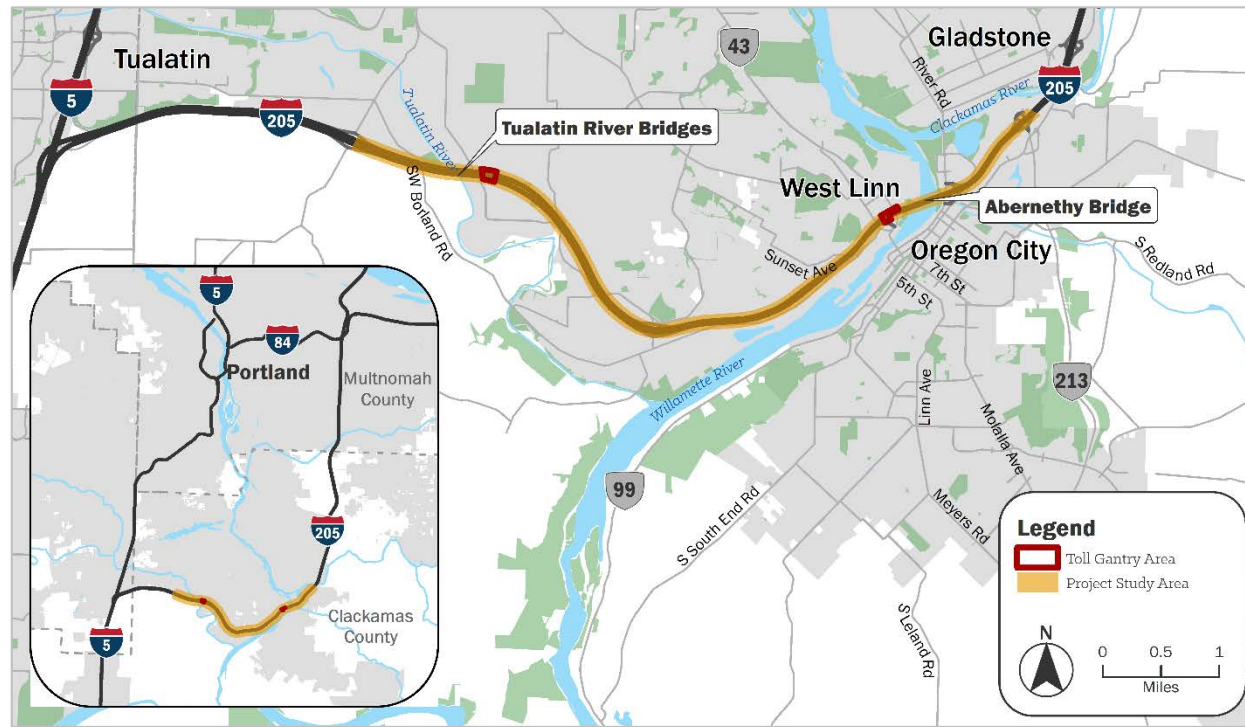
- Abernathy
- Tualatin



I-205 Study Area Maps

I-205 Toll Project gantry locations

I-205 Improvements Project phases



Tolling & I-205 Improvements Project



I-205 Bridges

- Planning
- Environmental & Engineering
- Construction
- Operations

Schedule

Activity	Date
I-205 Abernathy and Tualatin Bridges (southern end)	
Test and Evaluate I-205 Toll Rates and Policies	Q1 2023
I-205 Investment Grade T&R	Q1 2024
OTC Rate Adoption	Q1 2024
Draft EA	Q1 2022
EA Public Comments	Q1 2022
Final EA/FONSI	Q2 2023
Abernathy Bridge Construction Complete	Q1 2025
Tualatin Bridge Construction Let	Q1 2024
Tualatin Bridge Construction Complete	Q1 2027
Toll Commencement	Q4 2024

RMPP

RMPP



RMPP

- Project would apply congestion pricing (using variable-rate tolls) on all lanes of I-5 and I-205 in the Portland metro
- Planning
- Environmental & Engineering
- Construction
- Operations

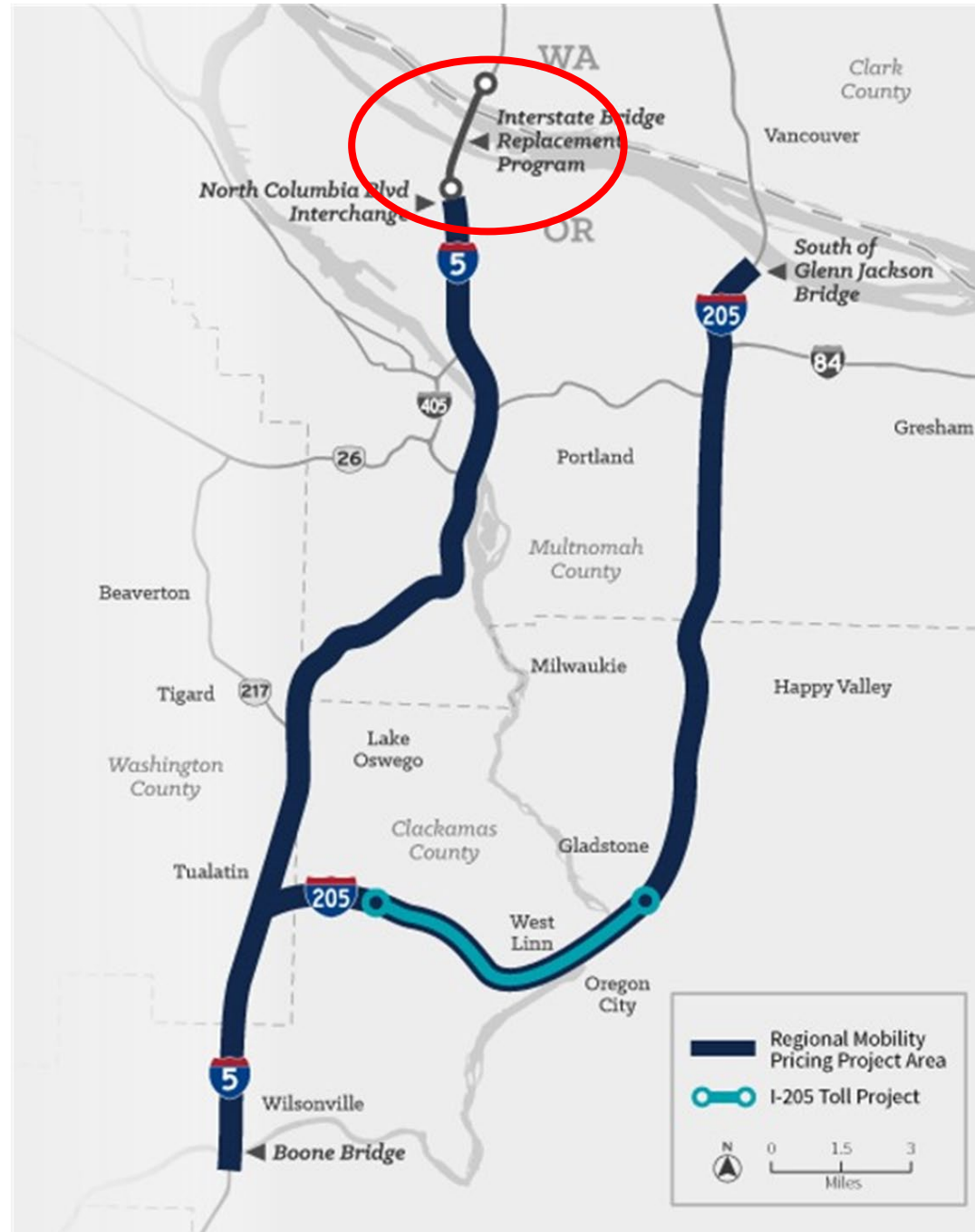
Schedule

Activity	Date
Regional Mobility Pricing Program	
Finalize Purpose & Need	Q 3 2022
NEPA Notice of Initiation	Q4 2022
EA Public Comment Period	Q3 2023
Prepare EA/FONSI	Q3 2023
Decision Document	Q4 2023
Value Pricing Pilot Program Approved	Q4 2024
RMPP Phase 1 Rate Setting	Q4 2025
Toll Commencement	Q1 2026

Interstate Bridge Replacement

IBR

- Project would
- Planning
- Environmental & Engineering
- Construction
- Operations



IBR

- Bi-State project
- Planning
- Environmental & Engineering
- Construction
- Operations

Schedule

Activity	Dates
Interstate Bridge Project	
Environmental	Q3 2023
Pre-Construction	Q3 2025
Construction Begins	Q4 2025
Precompletion Tolling	Q 4 2025

Toll Program Update

Toll Concepts - Systemwide

- Design Principles:
 - One system / one program for the driver, for all ODOT Toll Operations envisioned today and tomorrow
 - All lanes tolled, unlike express lanes
 - Accessibility and Equity in Tolling
 - No free movements – all users pay something
 - Longer trips cost more than shorter trips
 - Larger vehicles pay more than smaller vehicles
 - System design to support local and infrequent drivers, banked and underbanked customers
 - Variable Pricing by Time of Day
 - Drivers can know toll rates in advance to plan trips
 - Signing will also indicate key toll rates

Toll Concepts - Systemwide

- Design Principles (continued):
 - Interoperability
 - Western Region Toll Operators
 - Base technology standard – ISO 18000-6C, with multi-protocol readers
 - Working with OReGO Road User Charging Program
 - Vehicle Classification
 - Shape-based to detect light vehicles, medium vehicles and heavy trucks
 - NO axle-counting, no special pavement required, all technology overhead
 - Measuring tolls
 - Trip-based system based on detection in multiple segments, allowing no free movements

Toll Contracts

RFP's Approach

- Back-Office Toll System Integrator (BOS TSI):
 - Scope of this RFP will be to design, develop, test, install, operate, and maintain a BOS to support tolling
 - Should be support statewide toll operations
 - Contract term may be up to 10 years for system maintenance and
- Roadside Toll System Integrator (Roadside TSI):
 - Scope of this RFP will be to design, develop, test, install, operate, and maintain a Statewide Roadside toll system
 - Scope of this RFP will include trip building, pricing tables and image review.
 - Contract term may be up to 10 years for system maintenance.
- Customer Service Center Operations:
 - Scope of this RFP will be to provide all customer service operations utilizing the BOS/RTS sytes
 - Contract term may be up to 5 years with options to renew

Schedule

Activity	Date for I-205	Date for RMPP
Back-Office		
BOS RFP	Q4-2022	-
BOS Toll Systems Integrator (TSI) NTP	Q1/Q2-2023	-
BOS Design	Q4-2023	-
BOS Soft Go-Live	Oct-2024	-
BOS Go-Live	Dec-2024	-
BOS Updates for RMPP	-	Q3-2025
Roadside		
Roadside RFP	Q4-2022	-
Roadside TSI NTP	Q2-2023	-
Roadside Detail Design and Reviews	Q4-2023	-
Roadside Go-Live	Dec-2024	Dec-2025
Roadside Civil		
Complete PS&E Abernethy & Tualatin	Q2/Q3-2023	-
Handover All Toll Zones to Roadside TSI	Q2-2024	Q3-2025

Equity Update

Equity Update

Nov
2020

- OTC commissions EMAC to help with engagement, supporting transit and multimodal options, diversion impacts to neighborhood health and safety, and actions to address low-income impacts

May
2021

- EMAC updates OTC on the Equity Framework that guides the process and products of ODOT projects and the toll program

Nov
2021

- EMAC, OTC, and ODOT support Foundational Statements as a building point to further recommendations

July
2022

- EMAC presents recommendations to OTC and ODOT for acceptance

Foundations

Reliable, emissions-reducing, and competitive transportation options

Climate and equity are connected

Toll-free travel options for people struggling to meet basic needs

Equity investments, there on day one

User-friendly system (language, tech access, and ability)

Benefits extend into SW Washington

State, region, and local communities working together

FOUNDATIONAL STATEMENTS

Questions

Contact Information

Lucinda Broussard, Toll Program Director (ODOT)

Lucinda.Broussard@odot.state.or.us

503.731.4980