



Portland Metro Area Value Pricing Feasibility Analysis



Policy Advisory Committee Meeting #3

February 28, 2018

Initial concept evaluation



Round 1 evaluation: Initial concepts

Key



No Pricing



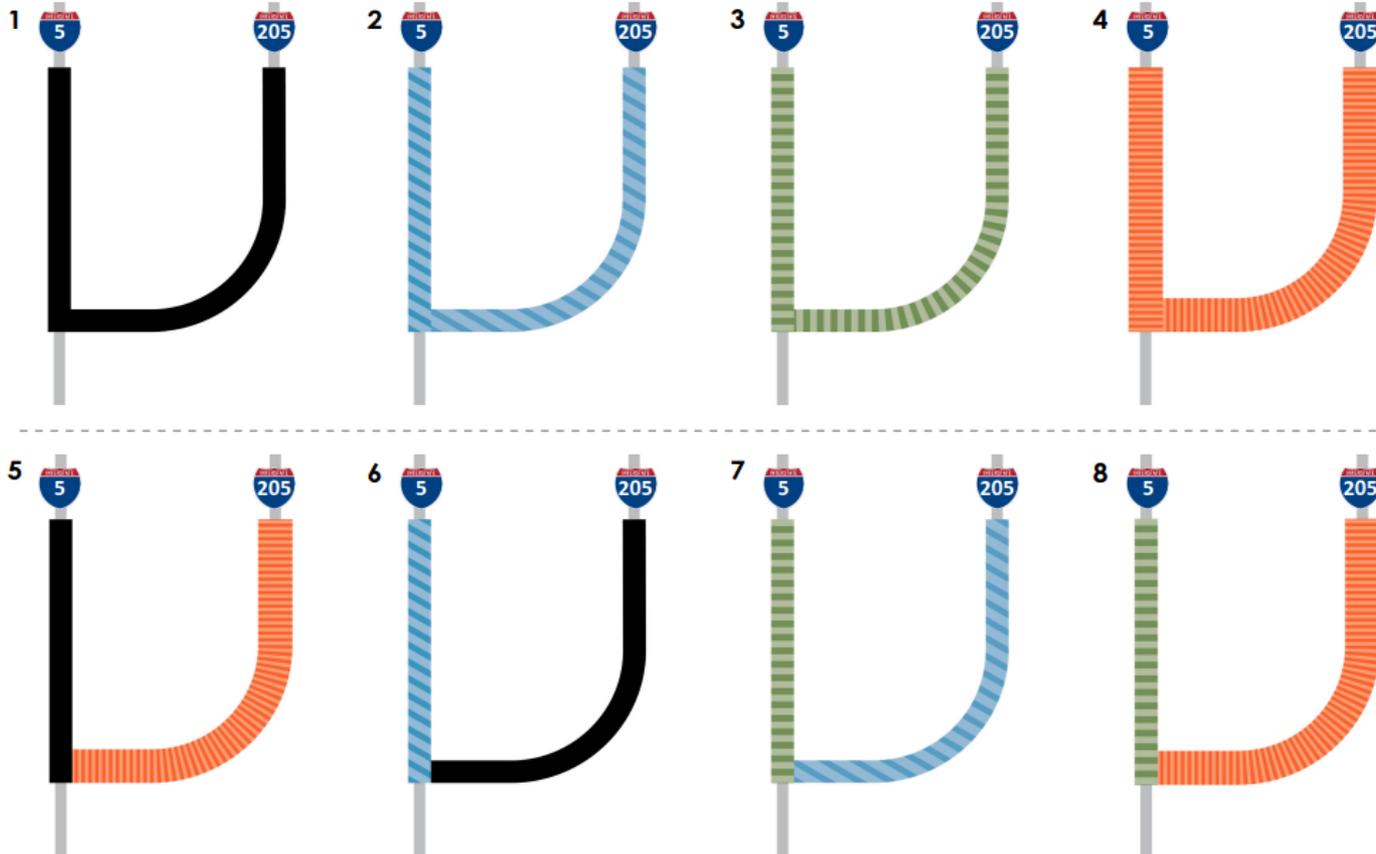
Priced roadways;
toll all lanes



Priced lane:
convert one existing general
purpose lane in each direction



Priced lane:
construct a new priced lane in each direction



Recommended Round 2 Concepts



Round 2 Concept A: Priced Lane Conversion

Northern I-5 priced lanes

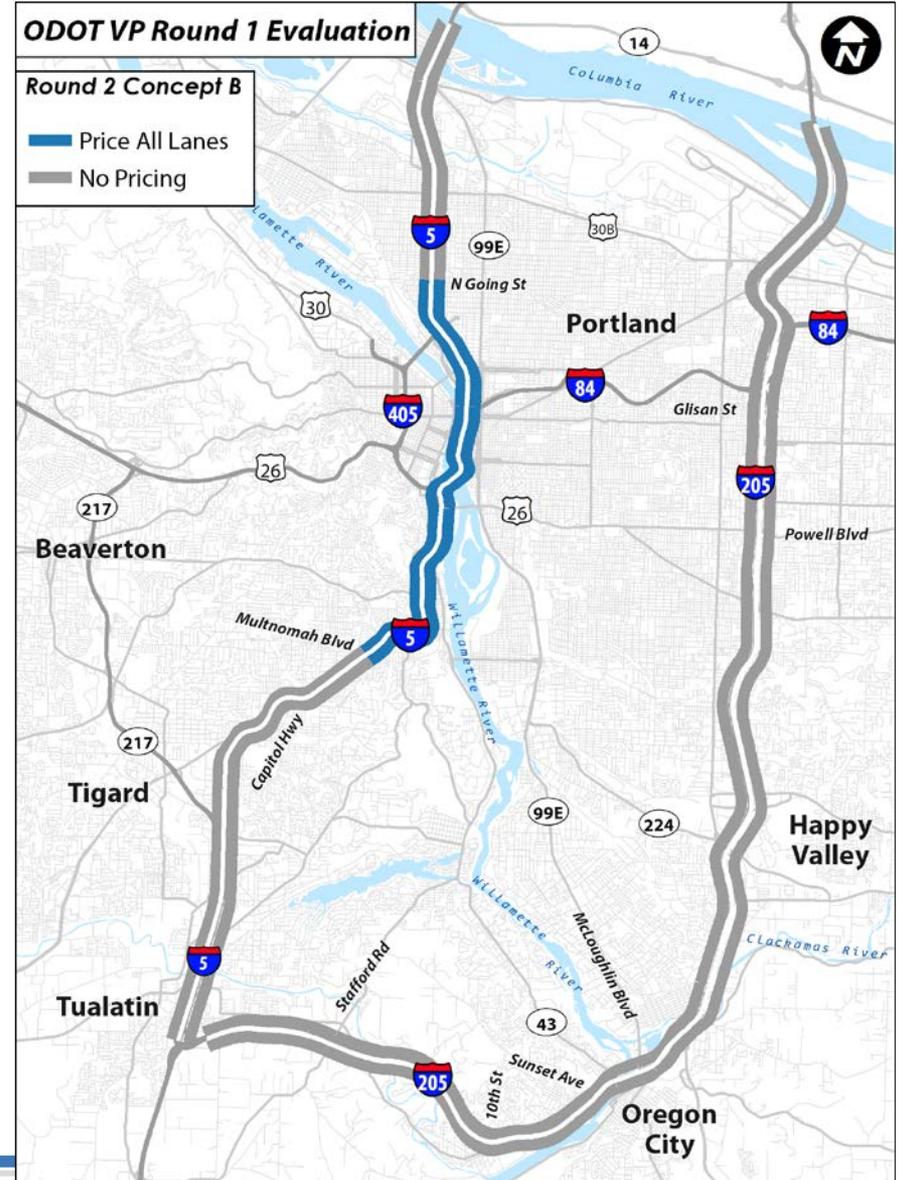
- Convert existing northbound HOV to priced lane
- Convert existing southbound GP to priced lane
- Key rationale
 - Relatively simple HOV lane conversion
 - Significant existing congestion
 - Least expensive Round 2 Concept
- Key topics
 - HOV requirements
 - Diversion
 - Federal and NEPA requirements



Round 2 Concept B: Priced Roadway

Toll all lanes on I-5

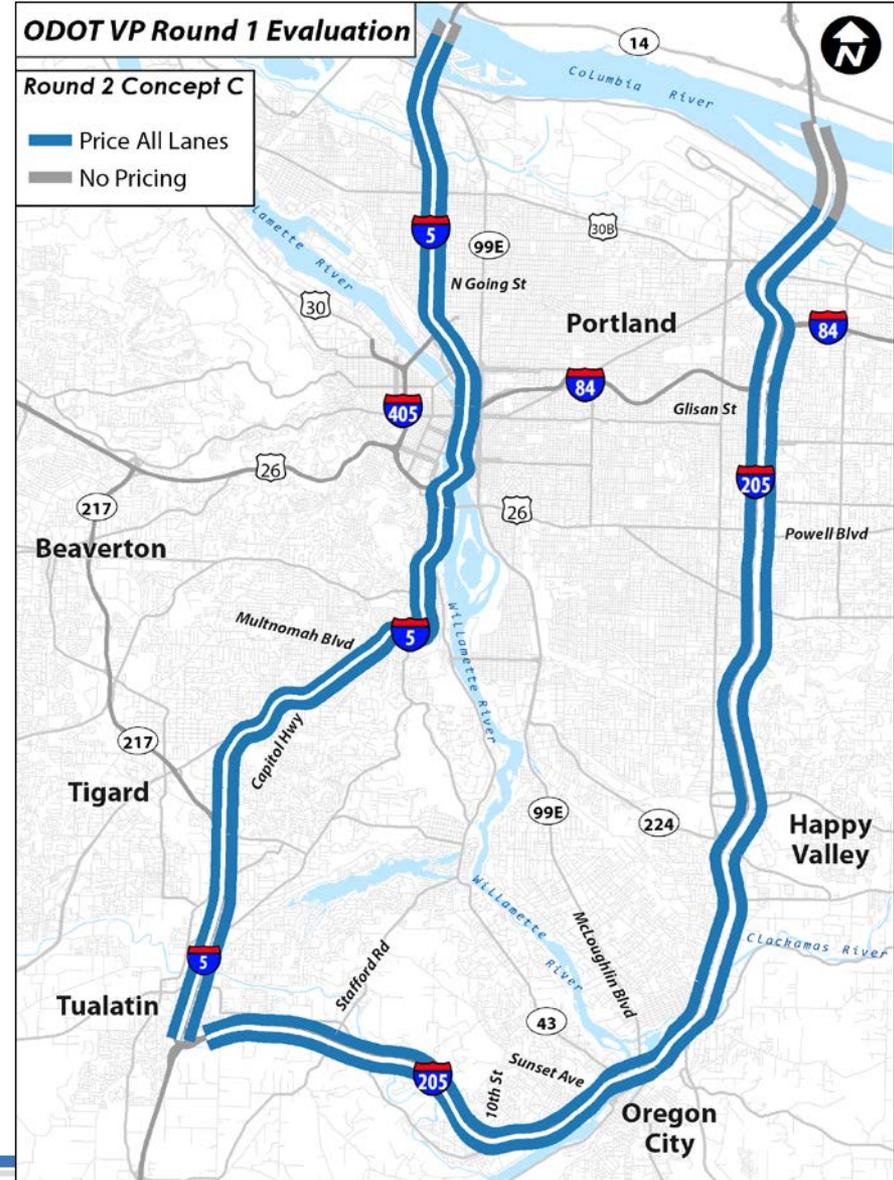
- Near downtown Portland
 - Multnomah Blvd to Going St
 - Both directions
- Key rationale
 - Few possible solutions without significant investment
 - Provides new revenue source
 - Most severe congestion in Portland metro area
- Key topics
 - Diversion
 - Tradeoffs for equity
 - Federal and NEPA requirements



Round 2 Concept C: Priced Roadway

Toll all lanes on I-5 and I-205

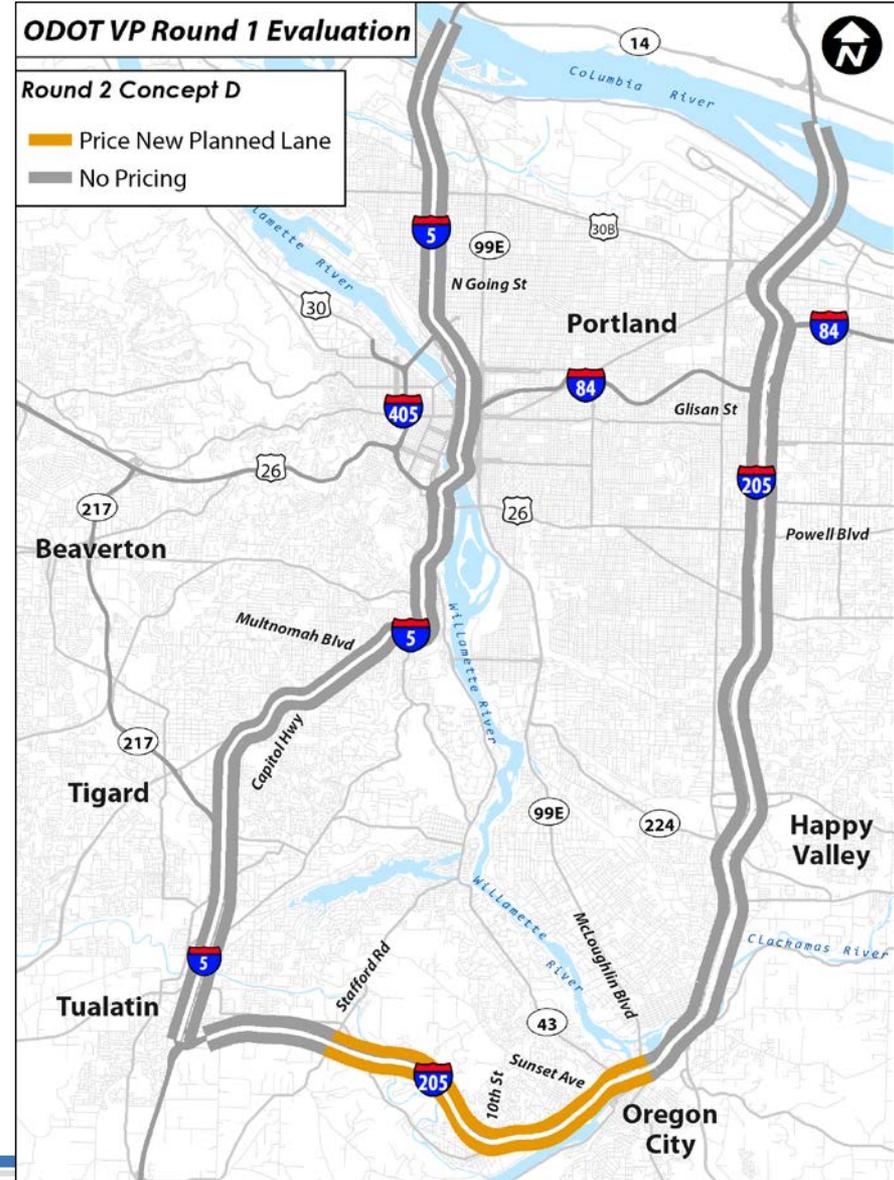
- Key rationale
 - Greatest congestion relief
 - Greatest revenue potential
 - Mitigation strategies
 - Relatively inexpensive
 - Opportunity for part-time operations
- Key topics
 - Diversion
 - Impacts on I-84, I-405 and Boone Bridge (Wilsonville, OR)
 - Equity impacts and mitigations
 - Federal and NEPA requirements



Round 2 Concept D: New Priced Lane

New priced lane on I-205

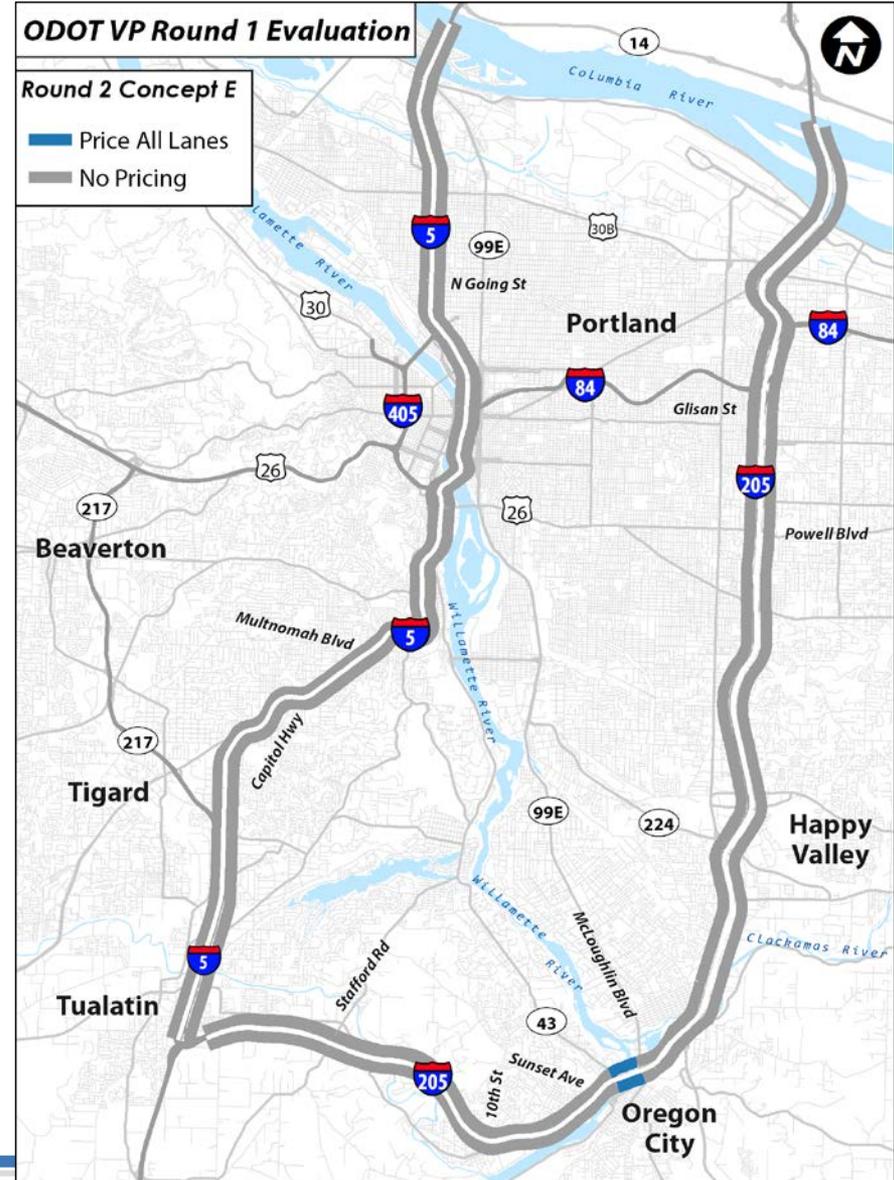
- In southern Portland metro area
 - Stafford Rd to OR 99E
 - Includes Abernethy Bridge
- Key rationale
 - Removes existing 2 lane bottleneck
 - Provides new revenue source
 - Potential to relieve congestion in southern I-205 corridor
- Key topics
 - Diversion
 - Operational effects on I-5
 - Federal and NEPA requirements



Round 2 Concept E: Price Abernethy Bridge

Toll both directions on Abernethy Bridge

- Single toll location at bridge center
- Key rationale
 - Reduces impact on existing 2 lane bottleneck on bridge
 - New revenue source for seismic upgrades
 - Potential to relieve congestion within bridge vicinity
- Key topics
 - Diversion
 - Revenue potential
 - Operational effects on I-205
 - Federal and NEPA requirements



Possible policies to optimize equity



Key examinations

Income equity

- Out of pocket costs far greater than value of time
- Ability to access priced facility
- Prioritization of projects

Geographic equity

- Selection process for priced facilities
- Use of funding
- Local burden fueled by regional demand

How they will be considered

