

PROJECT ADVISORY COMMITTEE (PAC) MEETING #3



### Agenda

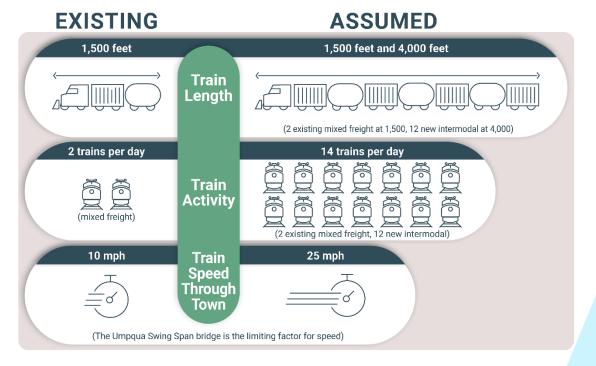
- Project Overview (Refresh)
- Project Update
- Alternatives Analysis (Refresh)
- Preferred Improvements and Project Sheets (Tech Memo #7)
- Roundtable Discussion
- Next Steps
- Summary of Action Items



### **Project Overview**

#### **Project Background**

 The Oregon International Port of Coos Bay is proposing a new multimodal container facility on the North Spit in Coos County,



 The trains are expected to impact traffic operations and safety at the at-grade rail crossings in Reedsport



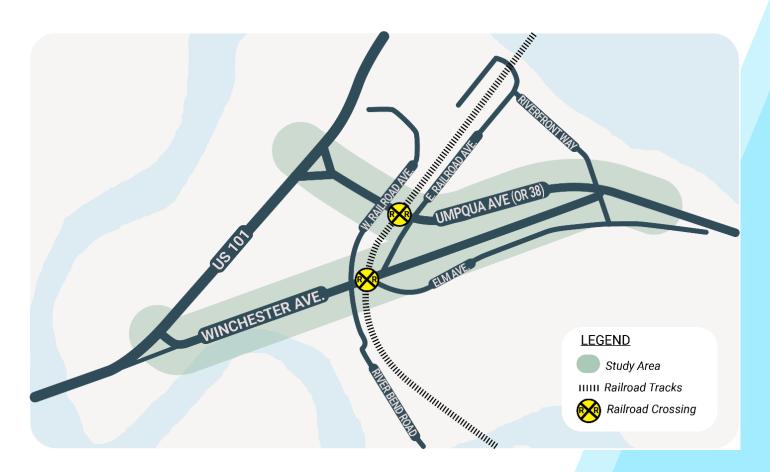
### **Project Overview**

#### **Project Background**

- Prepare the Rail Crossing Study and Refinement Plan
  - Focus on the immediate area surrounding the rail line and rail crossings
  - Evaluate impacts of increased rail activity on the Umpqua Avenue (OR 38) and Winchester Avenue rail crossings
  - Identify solutions at the crossings, supported by other improvements
- Amend the City's Transportation System Plan to incorporate the rail crossing study by reference



### Study Area





### **Major Tasks and Deliverables**

1. Project Management

- Project Schedule
- 2. Public And Stakeholder Involvement
- Public Involvement Plan
- Project Website
- Stakeholder Interviews

3. Goals And Objectives

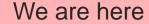
- •TM #1: Plan, Policy, and Code Review & Port of Coos Bay Expansion Review
- •TM #2: Purpose & Need, Goals, Objectives, and Evaluation Criteria
- 4. Existing And Future Conditions Analysis
- TM #3: Analysis Methodology Memorandum
- •TM #4: Existing Transportation Conditions
- •TM #5: Future Land Use and Transportation Conditions
- Develop And Evaluate Transportation System Improvements
- •TM #6: Transportation System Improvement Alternatives

6. Preferred Improvements And Funding Program

- •TM #7: Preferred Improvement and Project Sheets
- 7. Prepare Refinement Plan and City TSP Update
- •TM #8: Amendment & Implementing Measures
- Rail Crossing Refinement Plan

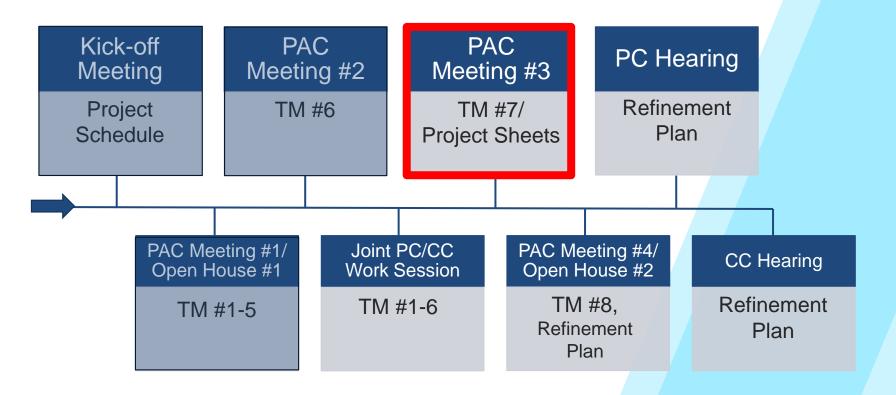
8. Refinement Plan and City TSP Update Adoption

- Final Refinement Plan
- Title VI Report





### **Meetings and Milestones**





### Alternatives Analysis (Refresh): Needs Statement



### **Needs Statement**

- Rail crossing delays and access/circulation barriers (4,100-foot train at 10 mph)
  - Vehicle queues on OR 38 spill back to US 101
  - Cycle failure at OR 38/US 101 intersection
  - Delays of 5½ minutes or greater on OR 38 and Winchester Avenue
  - Local circulation and access delays exceeding 60 seconds
  - Traffic volume increases at Port Dock Road undercrossing





### Needs Statement (cont.)

- Increased train activity (2 to 14 trains per day)
  - Increased probability of delays to emergency service providers
  - Increase train horn noise during school or nighttime hours
  - Increased pedestrian/train conflicts
  - Increased peak hour queues on OR 38 and Winchester
     Avenue that create local circulation/access delay
  - Increased use of Port Dock Road undercrossing and related increases in cut-through traffic on local streets Increased frequency of issues

### Other Factors

- Degradation factors:
  - Longer trains Exceeding 4,100 feet at 10 mph
  - Slower trains Traveling at speeds less than 10 mph
  - Increased number of trains Greater than 14 trains per day
  - Traffic conditions exceeding the 30th highest peak hour demand on OR 38 – Higher peak hour volumes and proportion of trucks and recreation vehicles
- Minimization factors:
  - Shorter trains Less than 4,100 feet at 10 mph
  - Faster trains Traveling in excess of 10 mph
  - Reduced number of trains Less than 14 trains per day



## Alternatives Analysis (Refresh): Most Promising Alternatives



#### **Improvement Package #1**





### Package 1 Considerations

- 1C Four Quadrant Gate
  - Addresses noise impacts from train activity on Winchester Ave
  - Feasible with minimal potential ROW or environmental impacts
  - Requires grade separated improvements on OR 38
  - Synergy with Alternative 2A1

#### 2A – OR 38 Rail Overcrossing with Retaining Walls

- Addresses rail crossing delay and circulation issues
- Addresses increased train activity issues
- Addresses queuing related impacts on OR 38
- Partially addresses queueing related impacts on Winchester Ave
- Addresses noise impacts from increased train activity at OR 38
- Refinements needed to minimized impacts to ROW, environmental impacts, and assess construction costs
- Synergy with Alternative 1C

#### Tentatively Preferred by the PAC



#### **Improvement Package #2**





### Package 2 Considerations

#### 4A – Elevated Rail Line

- Addresses queuing impacts to upstream and downstream cross streets on OR 38 and Winchester Ave
- Addresses noise related to train activity at OR 38 and Winchester Ave
- Refinements needed to understand constructability, visual barrier issues, and costs



# Preferred Improvements and Project Sheets (Tech Memo #7)



- Outstanding Issues and Feedback
  - Visual impacts of structures
  - Local roadway and driveway tie-ins
  - Local ped, bike, and transit enhancements
  - Stormwater
  - Title VI impacts
  - Potential NEPA 4F impacts
  - OR 38/US 101 intersection operations
  - Refined cost estimates



Preferred Improvement Package – Package 1

Key Differentiators	Improvement Package I	Improvement Package II	
OR 38 Vertical Clearance	No vertical constraints.	Introduces the only vertical constraint between I-5 and US 101 (via OR 38 and OR 138)	
Community Barrier Effect	The elevated OR 38 overpass creates an approximately 800-foot partial north-south visual barrier for homes along OR 38 to the west of the rail line.	The elevated rail line introduces an east-west visual barrier throughout the entire community, extending from the Scholfield Creek to Umpqua River.	
Winchester Rail Crossing Queuing and Potential Cut-Through Traffic	The upgraded at-grade crossing would still create vehicular queues and potentially cut through traffic during train events.	The grade-separated rail overcrossing would eliminate vehicular queues and potentially cut through traffic.	
Design and Construction Cost Opinions	\$18.1M (Assumes retaining walls, embankment support, and bridges) \$22.2M (Assumes viaduct between east and west Railroad Avenue)	\$27M (Assumes retaining walls, embankment support, and bridges \$61M (Assumes viaduct between Winchester and OR 38)	

Alternative 1C1 – US 101 NB Dynamic Train Activity Warning Sign



Environmental Review – Potential Impacts

Improvement Package	Alternative	Section 4(f)	Section 6(f)	Historic Resources	Title VI
1	1C	None	None	Likely	Likely none
	1C1	None	None	None	Likely none
	2A1	Hahn Park	None	Likely	Likely none
	5B	None	None	Unknown	Likely none
11 -	4A	None	None	Likely	Likely none
	5A	Hahn Park	None	None	Likely none

- Areas to Explore further during NEPA
  - Wetlands and waterbodies, threatened and endangered species, critical habitat, noise impacts, air quality impacts, archaeological resources, construction staging, hazardous materials
- Anticipated NEPA Classification
  - Documented Categorical Exclusion



- Preferred Alternative Recommendation
  - Alternative 1C Four-Quadrant Gated Rail Crossing on Winchester Avenue
  - Alternative 1C1 US 101 NB Train Activity Warning for Train Crossings at Winchester Avenue
  - Alternative 2A1 OR 38 Rail Overcrossing with Retaining Walls

















- Pedestrian and Bicycle Refinements
- Transit Enhancements
- Potential Stormwater Impacts
- Refined Cost Opinion
  - Potential right-of-way needs
  - 40% contingency and considerations for design
  - Design considerations
  - \$18.1M to \$22.2M



















#### Roundtable Discussion

- Any concerns and/or questions on the preferred improvement package?
- Any concerns and/or questions on the projects included in the package?
- What refinements would you like the project team to explore as part of the final package?



### **Next Steps**

- City Council Work Session (Nov 6th, at 6 PM)
- Prepare Amendments and Implementing Measures
  - Preferred Improvement Package
  - Pedestrian and Bicycle Facility Enhancements
  - US 101 Refinement Plan
- Prepare Draft Rail Crossing Refinement Plan
- PAC Meeting #4 (January 25<sup>th</sup>, at 3:00 PM)
- Open House (February 1<sup>st</sup>, at 6 PM)

