



Intermodal Highway Safety Treatments Implemented on ODOT Projects

I-205 @ Airport Way Interchange Project

2013 Transportation Engineering Conference

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Background

- Development near interchange generates additional traffic. ODOT & Port recognize need for improvements.
- Interchange is a heavy freight route.
- I-205 Bike path is a heavily used route, running from Vancouver to Gladstone.
 - Connects to 40 mile loop trail.
 - Detour is I-5 Bridge (7 miles one direction).
- Budget is small.



Study Area



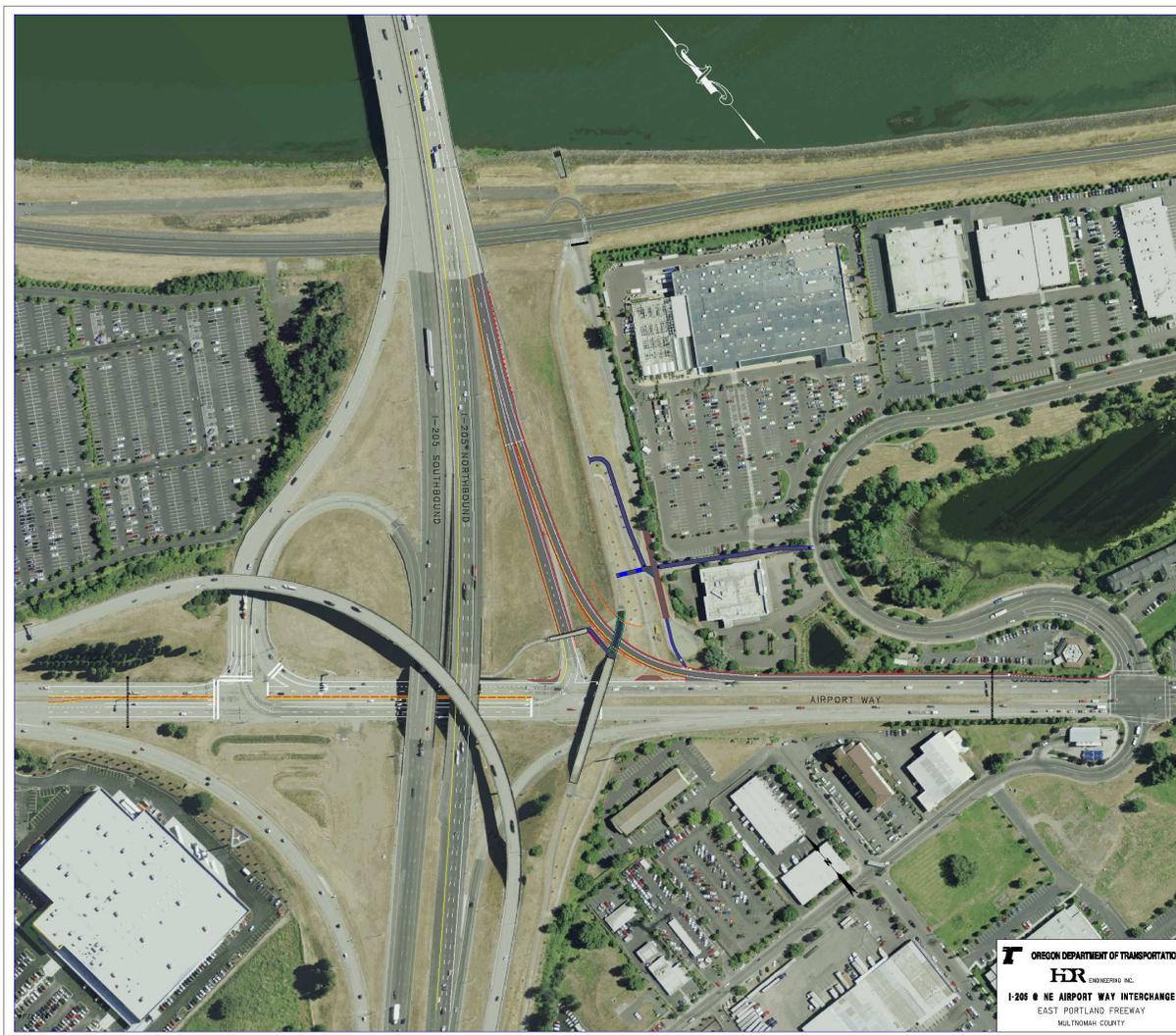


Options Considered (\$1M-\$1B)





Project Selected





Bike/Ped Design Considerations

- Outreach to various groups (WPC, BTA)
 - Find out where people are going and where they would like to get to.
- Review by Bike Coordinators from ODOT and City of Portland
- Mapping existing bike/ped facilities in project area.



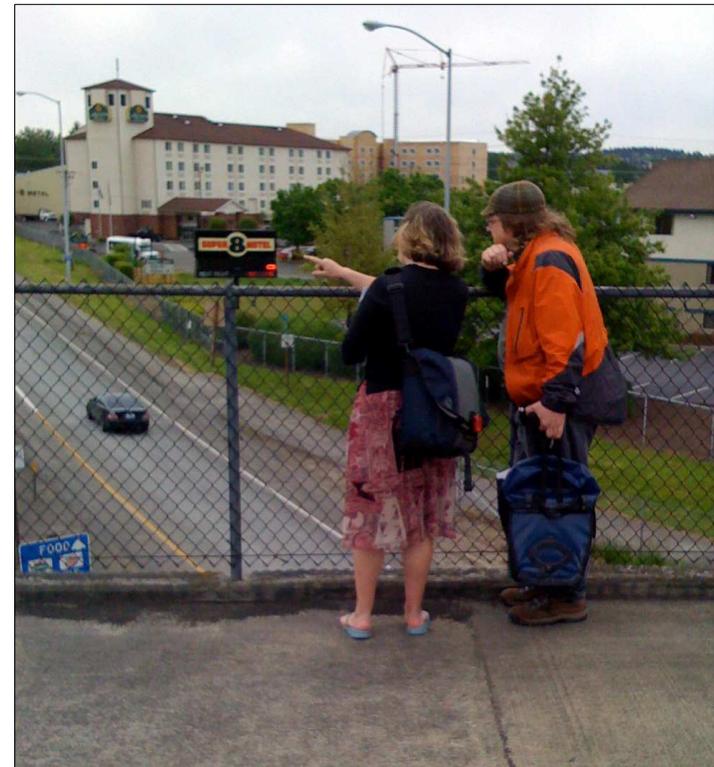
Outreach Efforts

- Portland Pedestrian Advisory Committee, 5/19/09.
- Bike/Ped walking tour, 5/13/09.
(Willamette Pedestrian Coalition & BTA)
- Design Team meeting with City of Portland Coordinators, 5/5/10.



Walking Tour with Stakeholders

- BTA, WPC, Agencies
- 2 hour tour of site
 - Walk existing routes
 - Envision new routes
 - Discuss impacts and preferred options
 - Recognize project limitations.





Walking Tour (cont.)

- Input received:
 - Close gaps
 - Re-route onto safer streets
 - Improve route signage
 - Fix “sidewalk to nowhere”



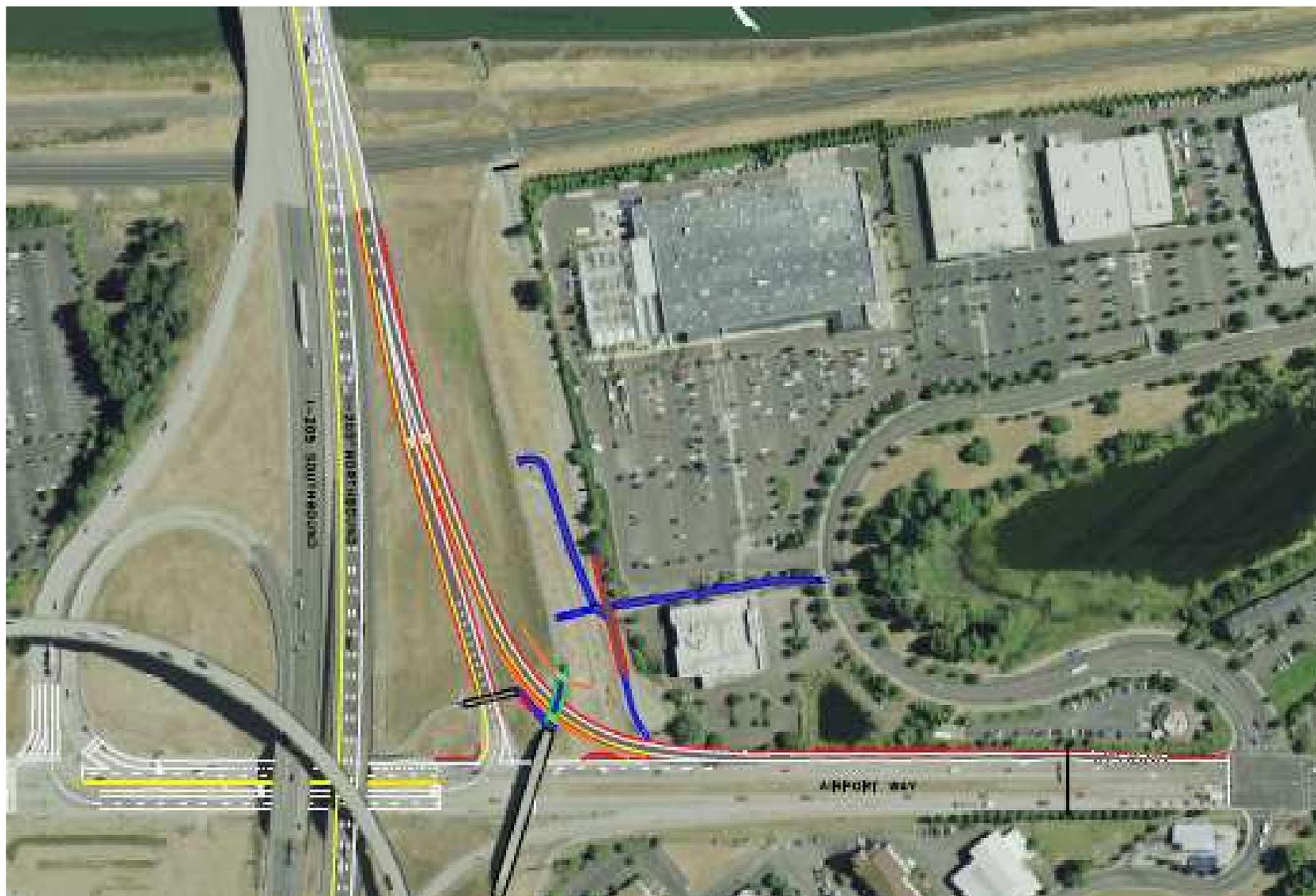


Map of existing and proposed facilities





Project Bike/Ped Elements





Project Bike/Ped Elements

- New Bike/Ped structure over new freeway ramp to maintain existing routing.
- New section of multi-use path to maintain connectivity.
- Vacant street closed to vehicular traffic to minimize conflicts.
- Upgraded wayfinding signs with destination and time.



During Construction

- Potential 3 month closure of bike path (14 mile detour).





During Construction

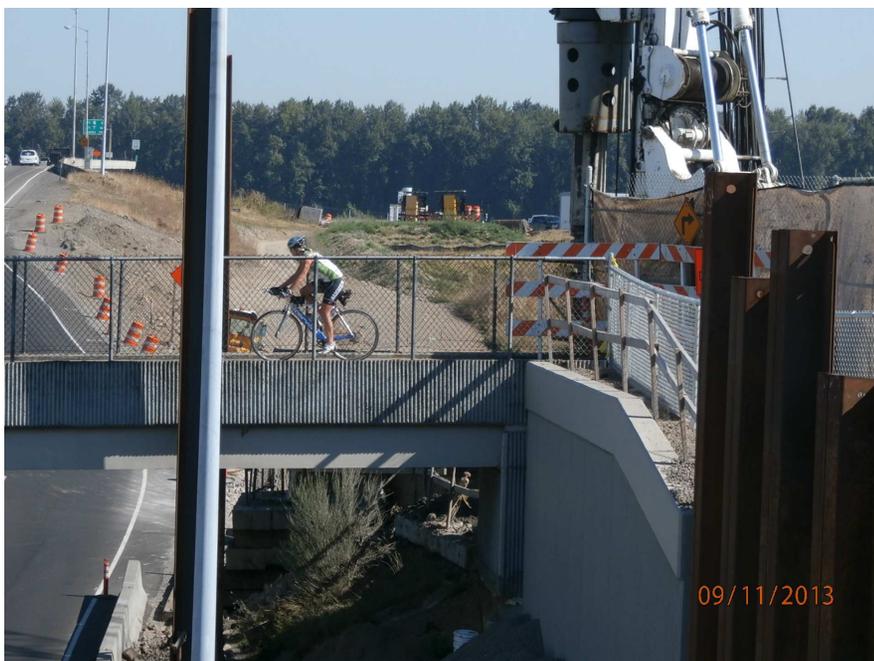
- Heavily-Used Path





During Construction

- Equipment/activity close to path.





During Construction



- Accommodate Traffic





Lessons Learned

- Start early
- Engage major groups first, others as needed.
- Visit site together, if possible
- Look for opportunities
- Acknowledge limitations of project
- Keep constructability in mind during design
- Adjust during construction as needed