Highway 217

Project Outcomes and Next Steps

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Agenda

• Background
• Recently Completed/Programmed
• Future Unfunded Projects
BACKGROUND

BACKGROUND
**Highway 217 Corridor Study**
(Metro – October 2005)

**Recommendations**
- Widen highway with one general purpose lane in each direction
- Add toll lane in addition to general purpose lane in each direction
- Explore solutions south on I-5 first to help Hwy 217

**OR 217 Interchange Management Study**
(ODOT – April 2010)

**Recommendations**
- Focus on cost effective (smaller) solutions first
  - System management
  - Ramp management
  - Surface street improvements
  - Interchange modernization
  - ITS solutions

**Corridor Bottleneck Operations Study (CBOS)**
(ODOT – April 2013)

**Recommendations**
- Series of strategic auxiliary lane improvements targeted at reoccurring congestion locations
RECENTLY COMPLETED/PROGRAMMED
**ODOT RealTime on OR217**

- Provide real time information that increases safety and promotes more efficient travel on roadways
- Improvements include travel time signs, traveler information, and advisory speed signs
- Investment of approximately $8-$10M in RealTime

![Travel Time Sign](image)

![Advisory Speed Sign](image)

![Traveler Information Sign](image)
Initial Benefits

- System has been in place and operational since July 2014
- Initial results (6 months) have showed reduced travel time, more reliable trips, and less crashes during inclement weather
- Full assessment of benefits after 1 full year
**TIGER ITS Grant**
- Washington County and ODOT partnership
- Analyze and develop improvements for arterials (and select freeways)
- Focused on connecting Westside computer electronics industry to Portland Airport distribution centers

**Anticipated Benefits**
- Reduced crashes
- Better travel times
- Enhanced traveler information
- Improved travel time reliability

**Project Investment**
- Approximately $10.2M in design and built infrastructure
I-5 Southbound Phase 1 – Carman Drive
• Identified as small scale investment/opportunity in CBOS
• Extended the merge south of Carman Drive to Lower Boones Ferry Road exit
• Minimize queuing on I-5 from OR217 merge
• Help to minimize queuing on OR217 approaching I-5

Project Cost
• Approximately $1.25M
• Constructed in August 2012
OR217: Allen-Denney Southbound Split Diamond

- Create a collector-distributor road parallel to OR217 from Allen Blvd and Denney Road
- Southbound on-ramp movement occurs completely from Denney Road
- Southbound off-ramp movement occurs completely at Allen Blvd

Anticipated Benefits

- Significant mobility and safety improvements
- Reduced congestion and delay for southbound OR217
- Enhancing regional economy by facilitating better movement of goods and services

Project Investment

- Enhance Funding - $5.3M
- Local Funding - $610K
- Total Investment - $5.91M
I-5 Southbound Phase 2: Lower Boones Ferry Rd Interchange

- Construct extension of southbound auxiliary lane from Lower Boones Ferry Road off-ramp to on-ramp

Anticipated Benefits

- Improve safety for merging/weaving
- Improve access to Lower Boones Ferry Road and Nyberg interchanges
- Reduce the duration of congestion
- Improve access to retail, residential, and employment centers

Project Investment

- Enhance Funding - $3.9M
- Local Funding - $450K
- Total Investment - $4.35M
FUTURE UNFUNDED PROJECTS
Allen-Denney C/D Road Alignment
• Realign the C/D road to the west with a new culvert to utilize existing culvert for potential southbound auxiliary lane

Anticipated Timeframe
• Work towards incorporating into the 19-21 STIP

Anticipated Investment
• Approximately $4 million
I-5 SB Phase 3 – Lower Boones Ferry Road to I-205

- Assumes Phase 2 is build (currently in STIP)
- Extends the main auxiliary lane from Lower Boones Ferry Road to I-205

Anticipated Benefits

- At least 30% or better reduction in crashes based on previous similar fixes
- Enhanced flow and operations on the mainline freeway
- Reduce weaving from OR217 to I-5 and I-205

Anticipated Investment

- Approximately $10-$18M depending on what structures are widened to standard
Future Opportunities

**Allen-Denney C/D Road Realignment**
- Shift alignment of the C/D road to the west with a new crossing of Fanno Creek to provide space for potential future southbound auxiliary lane

**Southbound Auxiliary Lane**
- Provide southbound auxiliary lane in the Allen-Denney interchange area

**Northbound Auxiliary Lane**
- Between 72nd Ave interchange and 99W interchange

**I-5 Southbound Phase 3**
- Continue forwarding the southbound auxiliary lane from Lower Boones Ferry Road to I-205 to complete I-5 improvements and see affect on Hwy 217

- Near Term
- Long Term

**FUTURE UNFUNDED PROJECTS**
Thank you.