Pedestrian & Bike Improvements (Beaverton)
City of Beaverton - Washington County

21625

Project Description
Installs lighting, pedestrian signal modifications, green conflict markings and advance warning signs to improve safety for pedestrians and bicycle riders. Some project funding comes from the City of Beaverton.

Purpose And Need
Five intersections in Beaverton accounted for 12 bicycle or pedestrian crashes from 2011 to 2015 with 2 serious injuries, 6 moderate injuries and 4 minor injuries. Improvements will increase safety for pedestrians and cyclists.

Proposed Solutions
- Install illumination, pedestrian and bicycle signal timing improvements, green bicycle conflict markings and advanced pedestrian or bicyclist warning signs as appropriate.

Cost
- All Roads Transportation Safety: $69,754
- City of Beaverton: $58,362
- Estimated Total Cost: $750,158

Anticipated Benefits
- Increased safety for cyclists and pedestrians with:
  - Illumination at SW Cedar Hills Boulevard and SW Fairfield Street, SW Farmington Road and SW Watson Avenue, SW Nora/Beard Road and SW 155th Avenue.
  - Pedestrian and bicycle signal timing improvements along Cedar Hills Boulevard at SW Fairfield Street, SW Milikan Way, SW Farmington Road, SW Watson Avenue, SW Hart Road and SW 155th Avenue.
  - Green conflict markings at SW Hart Road and SW 155th Avenue.
  - Advanced pedestrian or cyclist warning signs at SW Nora/Beard Road and SW 155th Avenue.
**Purpose And Need**

This intersection is a high crash site with 10 crashes between 2011 and 2015. Crashes result from left turning vehicles blocking the travel lane, causing congestion or turning without adequate room, and drivers attempting to pass on the shoulder. Improvements will increase safety and reduce backups caused by left turning vehicles.

**Proposed Solutions**

- Widens NW West Union Road at NW Neakahnie Avenue to install a left turn lane that allows through traffic to keep moving and gives turning vehicle drivers more time to evaluate turns.

**Anticipated Benefits**

- Improved safety and reduced crashes by separating left turning and through vehicles, providing turning vehicles more time to make decisions, and reducing through traffic backups.

**Cost**

- All Roads Transportation Safety: $998,092
- Washington County: $84,278
- Estimated Total Cost: $1,083,270

*Existing travel conditions on NW West Union Road approaching NW Neakahnie Avenue.*

*Project location on NW West Union Road at NW Neakahnie Avenue in Washington County.*

*Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community*
Project Description

Upgrades traffic signals, lighting, signs, striping and vehicle-detecting intersection ahead warning lights at various locations on Oregon 8/Oregon 47 (Tualatin Valley Highway) and sections of Oregon 219 (Hillsboro-Silverton Highway) and Oregon 10 (Farmington Road).

Anticipated Benefits

• Improved safety for bicyclists at intersections by separating bicycle and vehicle traffic with buffered bike lanes and green conflict markings.
• Reduced conflict between vehicles and pedestrians and improved safety with signals, lighting, warning signs, stops signs and markings.
• Increased safety and pedestrian visibility, especially at night, with an enhanced pedestrian crossing.

Purpose And Need

There have been a high number of vehicle crashes on the OR8 and OR47 corridors and sections of the OR219 and OR10 corridors including pedestrian and bicycle-involved crashes. The most frequent types of crashes are rear-end or as a result of turning, with many incidents occurring when it is dark.

Proposed Solutions

• Upgrade traffic signals, lighting, signs, striping and intersection ahead warning lights at various locations.
• Enhanced crossing at the intersection of Farmington Road and 195th Avenue.

Cost

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<th>Item</th>
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<td>All Roads Transportation Safety</td>
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www.Oregon.gov/ODOT/STIP
Draft 2021-2024 Oregon Statewide Transportation Improvement Program
Additional projects in Washington County:

- OR99W: OR217 - SW Sunset Blvd & US30B: Kerby - 162nd Ave (21616)
- Portland Metro and Surrounding Areas Traffic Monitoring and Control (21600)
- Portland Metro and Surrounding Areas Variable Message Signs (21601)
- Portland Metro and Surrounding Areas Traffic Signal Upgrades (21603)
- Portland Metro and Surrounding Areas Traffic Pavement Marking (21604)
- Portland Metro and Surrounding Areas Signal Detection (21605)
- Portland Metro and Surrounding Areas Traffic Monitoring (21609)
- Portland Metro and Surrounding Areas Rockfall Mitigation (21610)
- Portland Metro and Surrounding Areas Operations (21611)
- Portland Metro and Surrounding Areas Audible Crosswalk Signals (21618)
- Portland Metro and Surrounding Areas Safety Reserve (21715)

View more information on each project in the Various/Multiple Counties section.