

Last updated: Summer 2011

Project Components:

- Replace and improve US 20 traffic signals at NE Revere;
- Upgrade the signal controls at NE Greenwood;
- Upgrade the signals at NE Empire
- Upgrade ADA Ramps as required at US20 and Revere.

Why this project is needed:

Highway US 20 is a critical part of the State's transportation system and carries a significant volume of traffic from the Willamette Valley to Central and Eastern Oregon. It is also an important highway for local Bend traffic. Keeping roads in good condition and providing for safe travel are critical parts of the Department's mission.

This Project will repair, improve and/or replace critical traffic control signals on US 20 at three important intersections in the City of Bend. The signals at the intersection of US20 at Greenwood and Revere have outlived their design lives and are deteriorating:

- The electrical service to power the signals is failing, resulting in traffic delays and congestion;
- In 2007 wire circuits at the Greenwood signal failed resulting in a near total failure of the signal. Existing conduits are blocked or damaged, therefore new conduits must be installed.
- The location of some of the signal poles in the sidewalk at Revere does not meet the requirements of the Americans with Disabilities Act (ADA).



The average daily traffic count for the section of US 20 just east of the NE Greenwood Street intersection is 18,900 vehicles per day as of 2007, which is about the same as the year 2000. This is one of the busier intersections in the Bend metropolitan area. Traffic from the north, south and east Bend dominates the area of the signals at Revere and Greenwood.

And local traffic on Empire conflicts with traffic on highway US20 entering and leaving Bend at the intersection of Empire. The local traffic on Empire should have a dedicated left turn lane. No change to driveway accesses

is planned at this time.

What will be done:

Crews will replace signal poles and control equipment; add two new signals and wiring at US20 and Empire; replace or repair underground wiring and conduits, grind out and repave the roadway surface as necessary and where required improve the sidewalk at US20 and Revere to comply with the Americans with Disabilities Act.

Traffic control during construction:

- Much of the work will be done at night to minimize impacts to traffic.
- Variable message signs will alert motorists of planned closures.
- No lane closures will be allowed during weekends and legal holidays.

Project Timeline

Total Project Construction Cost: \$565,000

Contract bid let: August 2010
 Construction begins: Fall 2010
 Construction completed: Summer 2011

ODOT Contacts

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US20: SIGNAL UPGRADES (BEND) PROJECT
McKENZIE-BEND & CENTRAL OREGON HWYS.

DESCHUTES COUNTY
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