

U.S. 20 at 8th Street Signal Project

Last updated: Summer 2015

Project Components:

- Replace the traffic signals and poles at the intersection of U.S. 20 (Greenwood Ave.) and 8th Street
- Reconstruct the corners at the intersection
- Upgrade ramps to meet current ADA standards
- Restripe crosswalks
- Correct drainage problems and replace existing grates and inlets
- Repave the intersection

Impacts to traffic during construction

To limit impacts on traffic and businesses in the area, construction will be done between 8 pm and 6 am. Single lane closures on Greenwood Avenue are planned. There will also be closures on 8th Street with flaggers controlling traffic.

Why this project is needed

U.S. 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 Oregon Department of Transportation's mission.

The signals and electrical equipment at the Greenwood Ave. and 8th Street intersection are over 30 years old and beyond their design life. The signal poles are structurally deficient, which means that neither the arms nor the poles can accommodate additional signal heads or more loads. In addition:



The intersection of U.S. 20 and 8th Street in Bend, Oregon.

- Signal head placement is not optimum/standard and signal heads should be centered in the lanes;
- Turning radii at the intersection are small forcing large freight vehicles to leave their lane to make turns onto 8th Street;
- Signal poles are located too close to the roadway and therefore at risk of being hit by large freight vehicles when making turning movements;
- The location of some of the signal poles at the intersection limit good sidewalk access; and
- There is a problem with the drainage on the south side of the intersection and the grates over the drains are sunken into the pavement and need to be replaced.
- The intersection is severely rutting which makes it difficult for making turns.

What will be done

ODOT is planning to replace the signal poles and traffic lights. The new poles will be set back away from the highway/local streets. The traffic signals will also be connected to those on 3rd Street with fiber optic cable so they can communicate with each other.

All four corners of the intersection will be "flattened" to meet current turning radius standards, which will better facilitate right turns from larger vehicles on to and off of 8th Street.

During reconstruction of the corners, the existing ADA ramps will be replaced with a design meeting current standards. Once completed, the pedestrian crosswalks will be restriped to match the location of the new ramps.

The existing drainage structures on the southeast, southwest, and northeast corners are being relocated out of the travel lanes on U.S. 20. New curb inlets will be installed.

Project Timeline

Estimated Construction Cost: \$500 thousand

Contract bid let	Fall 2014
Construction begins	February 2015
Construction completed	June 2015

The \$.5M construction contract was awarded to Wildish Standard Paving Company in October 2014. Work began the first week of February and was completed late June 2015.

ODOT Contacts

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If you would like to learn more about this and other road projects in Central Oregon, please visit <http://www.oregon.gov/ODOT/HWY/REGION4/Pages/RoadworkImprovements.aspx> where you will find project information, updates, and contact information.

US20 @ 8TH STREET (BEND)

