

US 20: Empire to Greenwood (Bend) Corridor Improvements Project

Last updated: March 7, 2017

Purpose of the Project

The purpose of this project is to improve mobility, access and safety for motorists, transit riders, pedestrians and bicyclists, while upgrading, replacing and rehabilitating aging infrastructure within the corridor.

Need for the Project

This section of US 20 between Empire Avenue (including Empire, which is part of US 20, to the US 97 Bend Parkway) and Greenwood Avenue is a primary arterial running through the City of Bend. US 20 is also a critical part of the State's transportation system and a major east-west freight corridor between Oregon and Idaho. Keeping highways in good condition, and ensuring they are developed in contributing to a safe and efficient transportation system that supports livability and economic viability, is a primary aspect of ODOT's mission.

The pavement along this corridor is showing severe rutting and wear, causing safety and operational issues. Several of the existing traffic signals within the corridor are beyond their functional design life, and the corridor is incomplete or insufficient in many locations for pedestrians and bicyclists. The intersections along Empire including and between 3rd Street and the Bend Parkway on and off-ramps have reached and capacity and needs safety improvements.

What is Planned

Improvements will likely occur in coordinated phases, beginning with replacing or upgrading signals and signs at each intersection between Empire and Greenwood. Sidewalks, bike lanes and new curbs will also be repaired or added, to current ODOT ADA requirements. Additional improvements are planned for the US 20/Mervin Sampels Road and along Empire between 3rd Street and the Parkway interchange to add travel capacity and improve safety. Also repaving will occur throughout the corridor.

Key Project Components

- **Bicycle/pedestrian rehabilitation:** Infill sidewalks where they are currently absent and repair sidewalks and curbs to current ODOT ADA requirements. Construct (or define with pavement markings) bikes lanes and/or bicycle-pedestrian paths. Includes construction of new sidewalks, curbs, stormwater inlets and drainage piping and drainage. Construct marked pedestrian crossings including curbed medians. Also provide new signage and Rectangular Rapid Flashing Beacons (RRFBs) at Vail Ave and Thurston Ave on US 20 and at 4th and 6th Streets on Greenwood.
- **Replace and Upgrade Signals:** Replace aging traffic control signals at five (5) intersections: Empire, O.B. Riley Road, River Mall Ave, Division St, and Greenwood, add vehicle detection and street lighting devices and incorporate improved design/ADA elements at each intersection.
- **Mervin Sampels Improvements:** Construct a new traffic signal at US 20 @ Mervin Sampels, extend Mervin Sampels Road east into the adjoining industrial area, to connect with Sherman Road and widen and improvement Mervin Sampels west of the intersection.

ODOT Region 4 Project Information

- **Transportation System Analysis:** Perform a Transportation System Analysis for the Empire Ave./Bend Parkway interchange area to verify design meets transportation needs of the City and ODOT
- **ITS Upgrades:** Install Intelligent Transportation System (ITS) infrastructure including optical fiber for improved high-speed connectivity to the corridor traffic signals.
- **Pavement preservation:** Repave US 20/3rd Street from Empire to Greenwood. Upgrade ADA elements to current ODOT requirements at each intersection. Replace/upgrade signs to current standards.

Timeline and Cost

Project Development	2016 - 2020
Construction	First Phases starting in 2019
Estimated Construction Cost	\$15 million

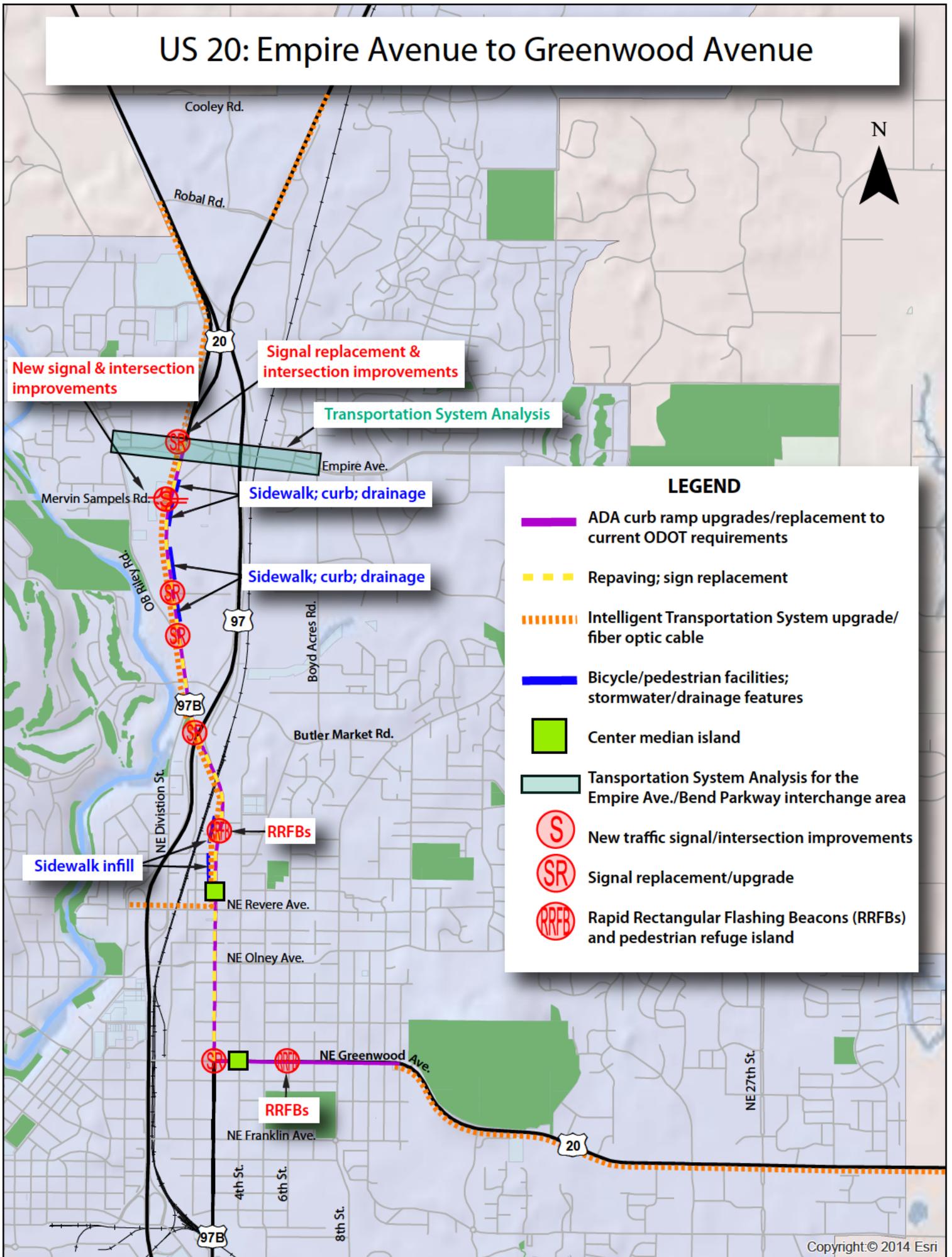
Contacts

Name	Title	Phone number	Email address
Mike Darling	Sr. Project Leader	541-388-6329	charles.m.darling@odot.state.or.us
Gary Farnsworth	Area Manager	541-388-6071	gary.c.farnsworth@odot.state.or.us
Abbey Driscoll	Community Liaison	541-388-6064	abbey.driscoll@odot.state.or.us

For more information on this and other highway projects visit:

<http://www.oregon.gov/ODOT/HWY/REGION4/Pages/RoadworkImprovements.aspx>

US 20: Empire Avenue to Greenwood Avenue



New signal & intersection improvements

Signal replacement & intersection improvements

Transportation System Analysis

Sidewalk; curb; drainage

Sidewalk; curb; drainage

Sidewalk infill

RRFBs

RRFBs

LEGEND

-  ADA curb ramp upgrades/replacement to current ODOT requirements
-  Repaving; sign replacement
-  Intelligent Transportation System upgrade/fiber optic cable
-  Bicycle/pedestrian facilities; stormwater/drainage features
-  Center median island
-  Transportation System Analysis for the Empire Ave./Bend Parkway interchange area
-  New traffic signal/intersection improvements
-  Signal replacement/upgrade
-  Rapid Rectangular Flashing Beacons (RRFBs) and pedestrian refuge island