



Lake Hills and NW Lake Sammamish Sewer Upgrade Project

May 2017

Planning ahead for traffic changes during construction

King County's Lake Hills and NW Lake Sammamish sewer system has been serving Redmond and Bellevue for 50 years. King County needs to upgrade about 4.5 miles of the sewer line to meet the needs of the growing Redmond and Bellevue communities as the existing sewer line nears the end of its service life.

Construction of the project will require work in local roadways. Sections of the sewer pipe will be upgraded along:

- West Lake Sammamish Parkway
- 177th Ave NE
- 179th Ave NE
- 180th Ave NE
- NE 24th St

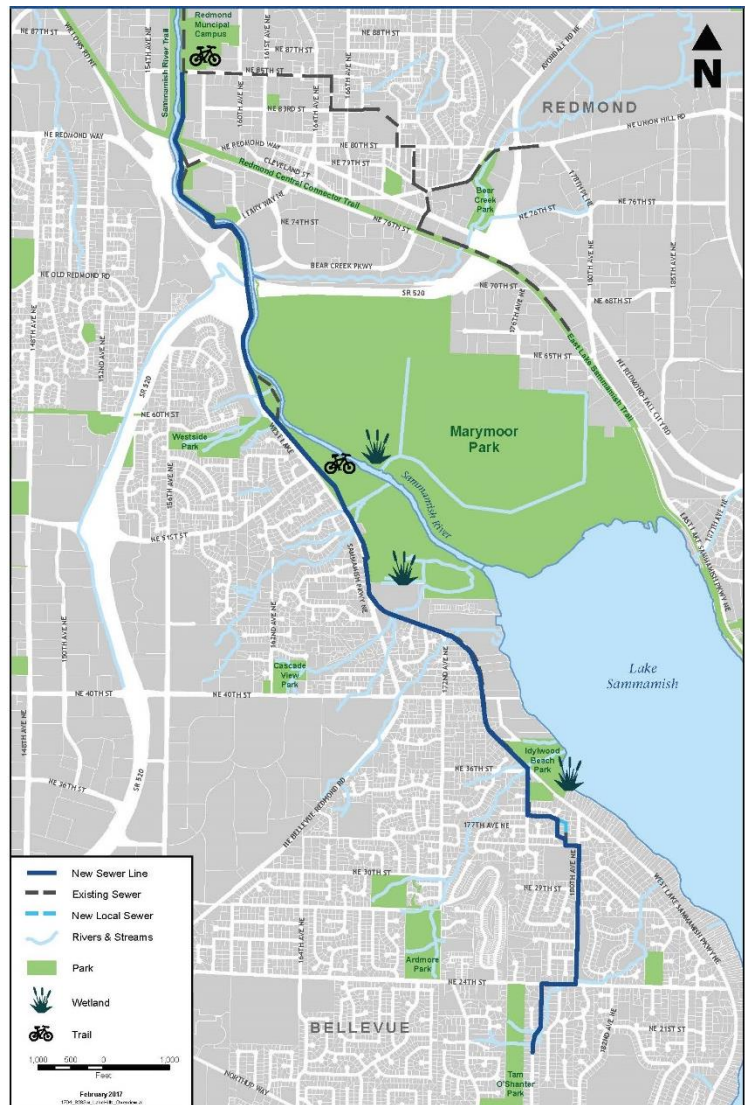
There will be increased congestion, lane closures and delays while work is underway.

Conducting the traffic study

King County is committed to keeping traffic flowing during construction and minimizing disruptions to the extent possible. The project team recently conducted a traffic study to understand current traffic patterns and volumes for vehicles, bicyclists and pedestrians and how construction of the project could change the capacity of local roadways.

To evaluate project construction-related impacts to traffic, our team:

1. Collected peak-period traffic data at intersections in the project area
2. Factored in projected increases in traffic through 2020, the year construction is scheduled to begin
3. Applied the Federal Highways Administration's formula for roadway capacity in work zones based on the project traffic volume



When complete, the upgraded sewer pipe will provide increased capacity and reliable service into the future



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Key findings

The project team will use the traffic study as a starting point to identify ways to reduce construction impacts to local traffic. Below are some of the key findings:

Key finding	Potential actions
The area with the greatest potential for construction-related traffic delays is West Lake Sammamish Parkway between NE 50th Way and Bel-Red Road.	<ul style="list-style-type: none"> • Construct the sewer pipe in short segments • Shift and narrow lanes to maintain two-way traffic and avoiding flagging traffic • Detour traffic in one or more directions to nearby routes • Work with the City of Redmond and the community to identify working hours to minimize traffic disruptions
In some areas, bike lanes will need to be closed. Bicyclists may need to share the lane with vehicles or use detour routes	<ul style="list-style-type: none"> • Work with the bicycle community in Redmond and Bellevue to identify potential detour routes • Bring attention to uneven pavement surfaces during construction and ways to stay safe on your bike • Emphasize the need for roadway users to share the road during construction
Temporary sidewalk closures are anticipated	<ul style="list-style-type: none"> • ADA accessible pedestrian detour routes will be provided at all times • When possible, the County will seek to keep at least one sidewalk open on the street where work is underway
King County Metro route 249, which runs along West Lake Sammamish Parkway, could experience peak hour delays	<ul style="list-style-type: none"> • Coordinate with King County Metro to temporarily close or relocate one stop on West Lake Sammamish Parkway
There is a high volume of traffic, including pedestrians, near Audubon Elementary before and after the school day	<ul style="list-style-type: none"> • Seek to complete most work during the summer • Limit work during the school year to outside of peak morning and afternoon pick-up and drop-off times

For more information

- **Contact** Kelly Foley at 206-477-8621 or kelly.foley@kingcounty.gov
- **Sign up for text alerts.** Text KING REDMONDSEWER to 468-311
- **Visit** the project web page at <http://www.kingcounty.gov/KCRedmondSewer>
- **Follow** King County Wastewater Treatment Division on social media