

# Long Lake shoreline restoration

Hennepin County, in partnership with the cities of Long Lake and Orono, began restoration work along the Long Lake shoreline in October 2017.

More than 1,500 feet of shoreline is being restored, as part of the overall Wayzata Boulevard (County Road 112) reconstruction project. The new shoreline will provide a more stable road, a lakeside trail and improved streetscapes for people to enjoy.

In addition, the county will add erosion control elements, including reinforced soil slopes with natural vegetation, and rock slopes (or riprap) to protect and preserve the shoreline.

The restoration work is expected to be completed in 2018.



*The rendering of the new shoreline was developed, in coordination with the cities of Long Lake and Orono, during the preliminary design phase in 2014 and 2015.*

Wayzata Boulevard reconstruction  
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## Current work

The county has several erosion control protections in place as it works to restore the shoreline. Some are temporary, others are permanent.

### Current work

When reconstruction began in mid-October, vegetation was removed to progress shoreline restoration.

As vegetation was being removed, soil runoffs were intentionally retained within the existing Wayzata Boulevard corridor.

In addition, many of the existing root structures were kept between the roadway and the lake as a natural erosion barrier.

As another layer of protection, crews placed temporary erosion control measures, including steel walls and floating silt curtains (in yellow) prior to the construction of the new soil slope.

Then, the water contained within the steel wall was moved to a temporary pond for filtering prior to flowing into the Long Lake creek.

With the water removed, shoreline construction began in early-November. Crews began constructing reinforced slope walls using a geogrid fabric system to better distribute weight and improve the strength of the newly constructed shoreline.

### Winter shoreline work

In late November, crews implemented their stabilization plan for the winter season. The plan included placing straw mulch and biologs (fabric tube containing erosion control materials) to stabilize the shoreline until Spring 2018, when restoration work resumes.

### Future work

When restoration work resumes in 2018, Hennepin County will:

- Install rock slope, or riprap, to provide a natural looking shoreline that will provide future erosion protection.

The City of Long Lake will follow to landscape the berm along the southern half of Wayzata Boulevard, as well as the shoreline.

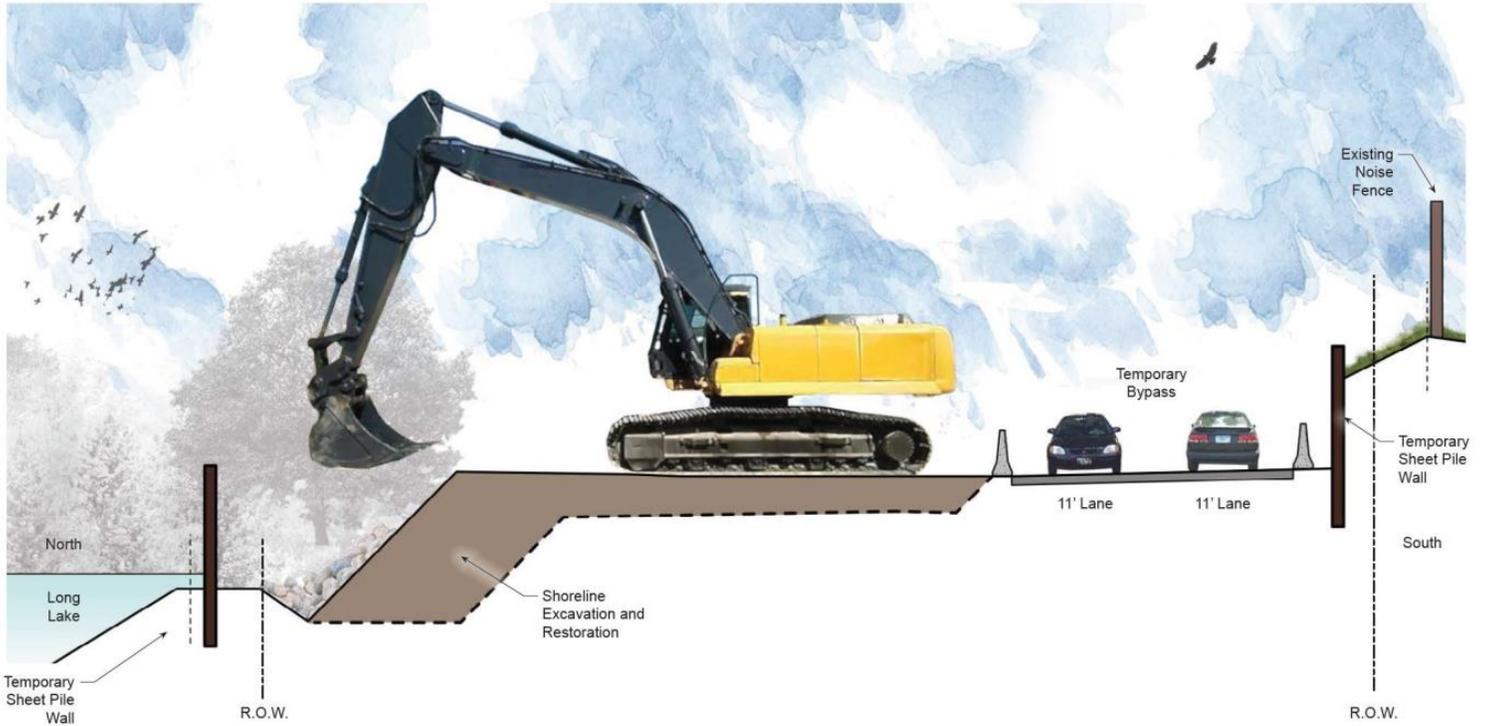
## Complying with environmental guidelines

Hennepin County will continue to work with the cities of Long Lake and Orono, as well as the Minnehaha Creek Watershed District, to provide regular inspections and ongoing protections of the shoreline throughout the restoration work.

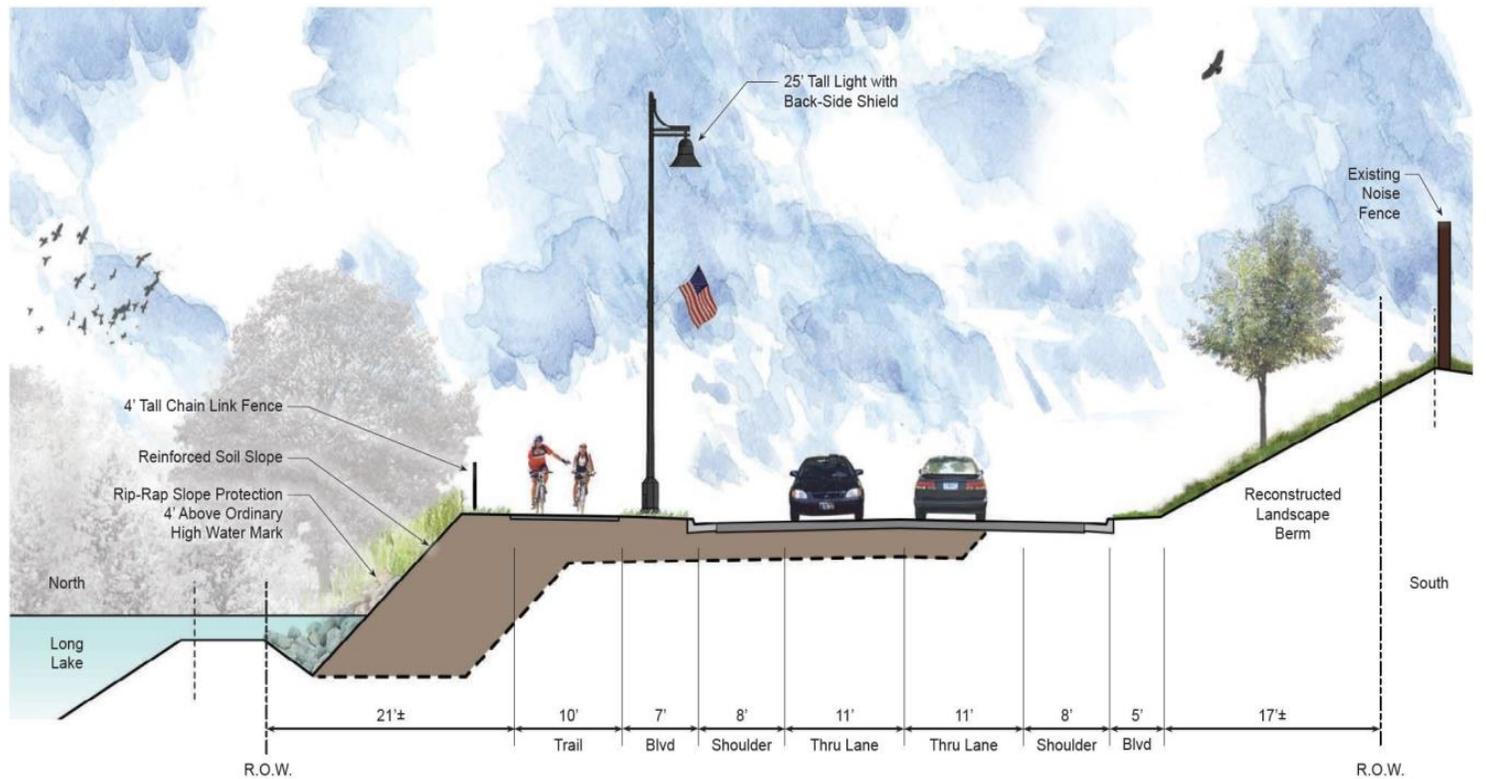


*The steel walls are necessary to provide a perimeter so that water can be removed from within the work area.*

## Additional shoreline renderings



*Shoreline and traffic configuration – During restoration work*



*Shoreline and traffic configuration – Completed restoration work*