



Highway 24 Bridge Construction Mississippi River in Clearwater

Project overview

The entire \$17.4 million Highway 24 Mississippi River bridge replacement project in Clearwater will be completed by June 30, 2018 and will:

- Replace the existing 57-year old Highway 24 bridge with a new two-lane bridge with wider shoulders and a multipurpose trail
- Preserve an important river crossing that serves local and regional travel, including heavy summertime tourism traffic
- Improve local utilities



The current bridge will remain open to traffic as the new \$17.4 million structure is constructed August 2015 - Fall 2017



1 Prepare the work site
Mid Aug - Fall 2015

Clear and fence off the construction work areas. Construct a temporary road known as a *causeway*, from the west side of the river, south of the current Highway 24 bridge. The causeway will be constructed of clean rock and sheet piling around the perimeter to keep the rock in place, and will eventually span to Pier 5. Another causeway will be built from the east side of the river to construct Pier 6. *Photo of a bridge work site.*



2 Construct abutments, piers
Fall 2015 - Late Fall 2016

Construct the bridge abutments and six piers from west to east across the river. Two piers are inland and four are in the river. *Cofferdams*, made from steel sheet pile driven into the riverbed, create a dry space to work in the river. Steel pile is driven deep into the earth to help form the foundation for the piers. Then piers are constructed inside the cofferdam as shown in photo above.



3 Place beams
Winter 2016 - 2017

Pre-stressed manufactured concrete beams that weigh about 120 tons each will be delivered one at a time on oversized semi trailers to the construction site. Two large specialized cranes will then lift and place the beams on top of the piers. Crews must ensure each beam is positioned exactly right. *Photo of bridge beam placement.*



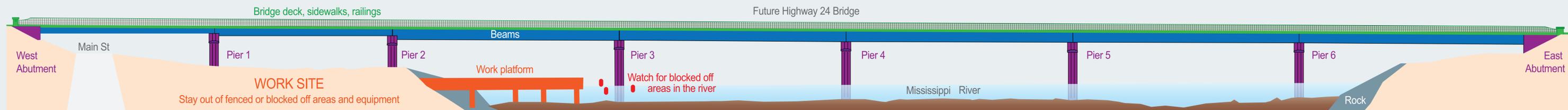
4 Construct deck, open to traffic
Spring - Fall 2017

In 2017, bridge enthusiasts will see crews complete the new bridge, including the deck surface, sidewalks, bridge railings, road and trail connections, aesthetics and more. The new bridge will open in Fall 2017. *Photo of concrete deck pouring.*



5 Remove old bridge
Fall 2017 - June 2018

Once the new bridge opens, the old structure and connections will be removed, and any other remaining work completed by June 30, 2018. *Photo of a bridge deck being removed.*



All dates and times are tentative. MnDOT 2016 JSeelen

For more information, visit mndot.gov/d3/hwy24