

## PTH 23 RED RIVER BRIDGE MAJOR REHABILITATION

### Purpose and Need

The bridge was built in 1968 and requires major rehabilitation to extend its service life by another 40 years.

There are two issues with the bridge.

- The concrete bridge deck is old and needs replacing.
- The riverbank slopes are unstable and pose a risk to the stability of the bridge piers.



Damage showing on underside of current bridge deck.

### Construction

Estimated cost of overall project is \$30 million. The contract was awarded to M. D. Steele Construction Ltd.

Construction began November 2013 and the bridge will be complete by September 2015.

### Main Features

- a new protected sidewalk
- a new deck featuring 17-foot wide lanes with shoulders
- slope stabilization
- steel girder strengthening and recoating
- concrete pier and abutment repairs
- new concrete bridge barriers
- approach roadway works



Conceptual drawing of new bridge deck.

### Project Timing

Based on the original design and construction of the bridge, replacing the existing bridge deck will require periodic bridge closure.

The entire bridge will be closed to all traffic:

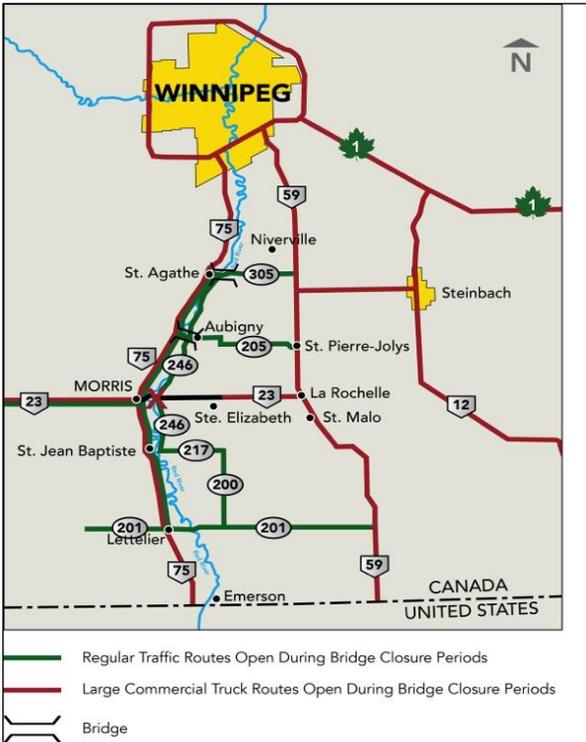
- June 23 to August 25, 2014
- September 29 to November 30, 2014

At least one lane of the bridge will remain open at all other times during construction. Traffic controls will allow travel in both directions.

Bridge closings will be minimal. Key considerations are:

- The bridge is an evacuation route for the Town of Morris during major floods.
- PTH 23 serves as an important connection for agriculture, especially during seeding and harvest seasons.
- Commercial trucks cross the bridge frequently.

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Detour options during bridge closure.

## Detour Options During Bridge Closure

Green highlighted roads are for regular traffic, and red highlighted roads are for heavy truck traffic.

## Reasons for Summer and Fall Bridge Closure

The work area cannot be heated effectively and construction methods require a warm setting in summer and fall months. Winter work would take almost twice as long.

Construction using precast deck panel installation will allow the bridge to be open to traffic during significant floods, if needed.

The latest information on road restrictions is available at [www.gov.mb.ca/mit/srr/](http://www.gov.mb.ca/mit/srr/) and up-to-date details on Manitoba's road conditions are available any time at 511 (toll-free), at [www.mb511.ca](http://www.mb511.ca) or by following the Twitter account at [www.twitter.com/MBGovRoads](http://www.twitter.com/MBGovRoads).



The project is located east of Morris where PTH 23 crosses the Red River.