

ASSINIBOINE RIVER BRIDGE AT ST. FRANCOIS XAVIER



Purpose and Need

The existing westbound Assiniboine River Bridge on PTH 1W at St. Francois Xavier was constructed in 1965. This bridge is an integral part of the Trans-Canada Highway and provides access to local residents and businesses, commercial trucking, agricultural operations as well as many others in the area and beyond.



The bridge has attained its original 50 year design life and is now exhibiting deterioration in the concrete deck and cracking of the girders. In addition, the foundation spread footings are susceptible to erosion underneath during large flood events. For all of these reasons, it was determined that the structure needs to be replaced.

New Bridge Design

The new bridge will feature a wider bridge deck than the existing (increased from 28 feet to 39 feet or 8.6m to 11.9m), and new concrete curb with steel railing. The length of the structure will also be increased to facilitate new pier construction as well as to minimize any geotechnical issues with the river bank slopes and to accommodate the peak river flood flows. The roadway at the west end of the bridge will be raised and modified to improve the bridge drainage.

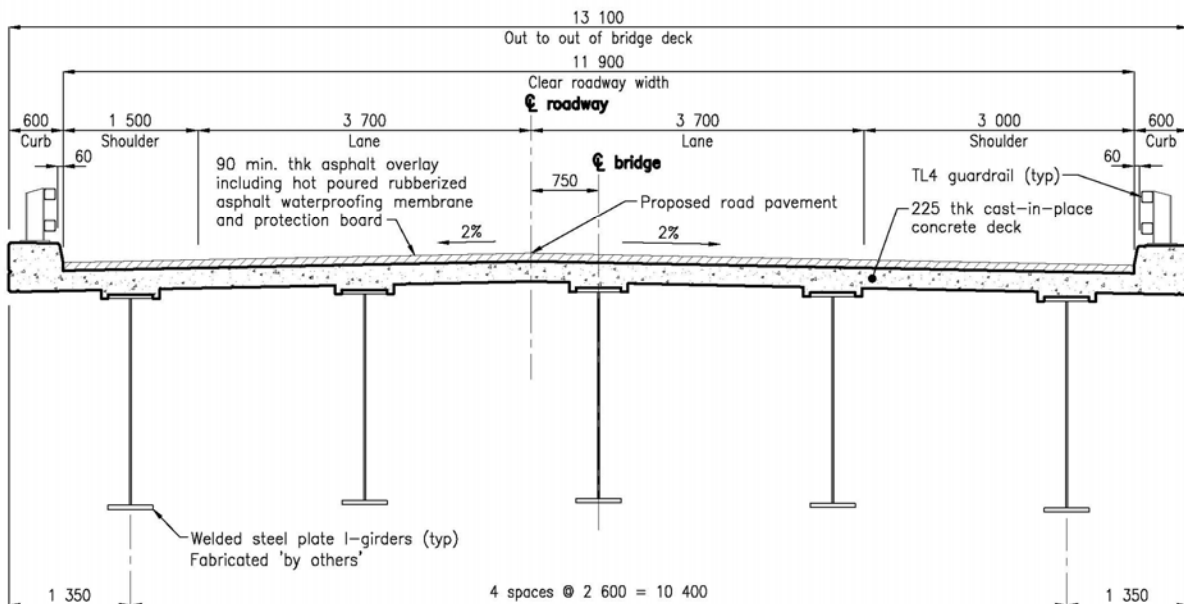
Traffic Control – Traffic Staging

To facilitate bridge construction, the existing westbound bridge will be closed fully to traffic. Westbound traffic will be transferred to the eastbound lanes which will be reduced to one lane in each direction for the duration of the bridge construction works.

Two new median crossovers are being constructed to move traffic to and from the eastbound lanes. Manitoba Infrastructure (MI) expects construction of these crossovers to take place in October.

Current Status

- Detailed design has been completed.
- Structural steel girder fabrication is currently underway.
- Bridge demolition and construction will be tendered in the late fall with on-site construction work beginning in December 2017 or January 2018.
- The new bridge is expected to be completed and fully open to traffic in November 2018.



TYPICAL SECTION

Scale 1:50

Traffic Detour During Construction December 2017-November 2018

