

STRUCTURE REPLACEMENT OVER NORTH SNAKE CREEK ON PTH 5 IN THE MUNICIPALITY OF ROSEDALE

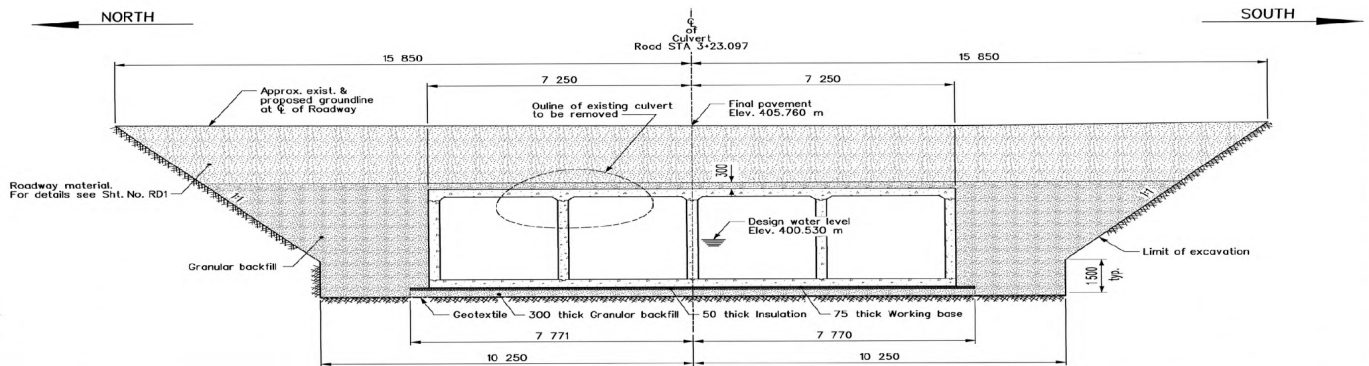


Project Purpose

The existing structure over North Snake Creek (Site No. 646-00) approximately 25 km north of Neepawa, MB is a 33.53 m long structural plate corrugated metal pipe (SPCMP) arch culvert built in 1953, with a height of 2.67 m spanning 4.29 m. MI's recent inspections of the culvert (2020) have revealed significant structural deterioration including basal heave and cracking in the barrel near the bolt holes. This section of highway is a critical intra-provincial link between PTH 16 and the North,. It conveys significant volumes of truck and large agricultural equipment. Given the above conditions, MTI has considered it a good cause to plan the culvert replacement.

Proposed Structure

The proposed structure size would be a four (4) cell 3.25 m x 3.8 m x 31.6 m reinforced concrete box culvert, consisting of two 3.7m lanes, each with a 2.0m shoulder for a total roadway width of 11.4m. The structure size roughly fits within the existing streambed although will require minor transitioning at each end. Change in the roadway elevation would not be required to satisfy the hydraulic design requirements.



Cross-Section View of Proposed Structure

Traffic Management During Construction

Construction of the new bridge will be done in stages, building half at a time while maintaining a single bi-directional lane of traffic open for the entire duration of the project.

Proposed Schedule

November 2024 - March 2025
July 2025

Culvert Construction
Approach Roadworks

MTI Contact

Please Contact James Ashaye if you have any further questions or concerns.
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