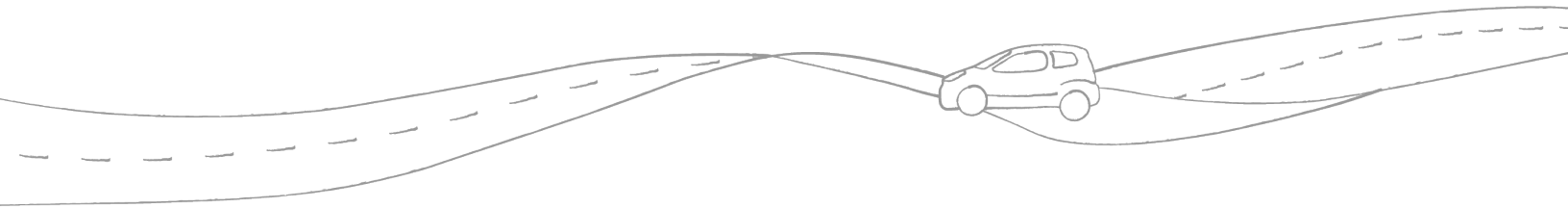




Backgrounder

Replacement of the Jean Marie River bridge



Project overview

- The Jean Marie River bridge was built in 1969.
- It is located on Highway 1 at kilometre 411.2, approximately 65 km south of Fort Simpson.
- The bridge is approaching the end of its life cycle; replacement is required to ensure the safety of road users.
- The existing bridge has been reduced to single-lane traffic with reduced speed posted to preserve the bridge.
- Project costs will be determined after the design is complete.
- The contract for engineering services to replace the Jean Marie River bridge has been awarded to Jacobs.
- The bridge replacement is expected to be completed by fall 2025.

New bridge design

- Same location as the existing bridge.
- Slightly longer than the existing bridge to provide 100-year flood water opening.
- Standard Highway 1 clear roadway width of 10 m (32' -10"), which is wider than the existing bridge.
- New bridge deck will be built higher to accommodate 100-year flood water level.

New bridge span options

- Option 1: Single span steel girders with concrete deck
- Option 2: 3-span concrete girders side-by-side
- Option 3: 3-span steel girders with concrete deck

Regulatory requirements

- Application to a Type B Water Licence from the Mackenzie Valley Land and Water Board, regulated under the *Waters Act*.
 - Possible amendment to current Land Use Permit from the Mackenzie Valley Land and Water Board
 - Project review from the Department of Fisheries and Oceans Canada, regulated under the *Fisheries Act* and the *Species at Risk Act*.
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