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Algonquin Modular Panel Bridge proves to be great replacement for Ontario First Nation's old Bailey Bridge

Dokis First Nation lies about an hour southeast of Sudbury near Lake Nipissing. The community's only road connection was built in 1955 and included a single-lane Bailey Bridge over the Restoule River. Over 60 years later, the time had come to replace it and a tender call was issued by the Band Council.



Project at a glance:

Project Name: Restoule River Bridge

Location: Dokis First Nation (1 hour southeast of Sudbury, ON)

Owner: Dokis First Nation

Engineer: D.M. Wills Associates Limited

Contractor: Beam Construction

Application: River Crossing (Replacement)

Product: Algonquin Modular Panel Bridge

Dimensions: Span 27.43 m, Width 3.5 m (Single Lane)

Installation Time: Five days, including launch nose and timber decking

“Bailey Bridge” manufacturer replaces 60-year-old bridge

Algonquin Bridge is pleased to have been part of the winning bid team with our popular Algonquin Modular Panel Bridge System. In fact, the winning bid was a full 1/3 less than the bid average — reaffirming why our Algonquin Modular Panel Bridges are frequently selected for these types of replacement projects.

Crew’s first time installing “Bailey Bridge” style bridge

Speaking of easy deployment, the Algonquin Team stepped up our on-site services to support the contractor installing this type of bridge system for the first time. We provided a site advisor for three days of the five-day build. The initial time concentrated on the build methodology and our advisor returned for the day of the cantilevered launch sequence. The project included moving the older bridge to the side to serve as a detour bridge and replacing the abutment structures. The site was fairly constrained, so a larger excavator was used to provide more reach and better assembly speed.

The owner and their consultant were both on-site during the build. Post-project contact with the owner confirmed that they were impressed by the installation method and very happy with the new bridge.

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