ALGONQUIN BRIDGE

Project Profile

Algonquin's R800 Modular Panel Bridge System part of packaged solution for remote NB forestry road

Irving Woodlands, a major forestry operation in Eastern Canada, needed to find an economical and expedient solution to replace an old bridge on their industrial road network in a remote area of central New Brunswick. They selected a packaged solution from Algonquin Bridge and our AIL Group sister company, AIL, featuring one of our new, made-in-Canada R800 Modular Panel Bridge Systems and AIL's Bolt-A-Bin Abutments.

Project at a glance:

Project Name: Napadogan Bridge

Location: Napadogan, NB

Owner: Irving Woodlands

Consultant: Hilcon Limited

Contractor: Dunbar Construction Limited

Sector: Transportation

Application: Stream Crossing

Products: R800 Modular Panel Bridge, Bolt-A-Bin Abutments

Dimensions: Span 27.4 m, Width 5.5 m

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Bridge replacement part of major forestry road network upgrade
The old bridge, which had been closed for over ten years, was being replaced as part of a major road network upgrade to handle larger off-road hauling trucks. Algonquin's heavy-duty R800 Modular Panel Bridge System, which delivers a 100-tonne design load to support 12'-wide, logging trucks, was an obvious choice. Supported by AIL's Bolt-A-Bin Abutments system, this package solution minimized the need for concrete, providing a very economical and expedient solution for this remote area.

Take a drone-video tour of this project

Algonquin Bridge maintains an inventory of these popular bridge systems, ready to be shipped anywhere in Canada for permanent or temporary. All components are hot-dip-galvanized for maximum durability. They are easy to assemble with local crews and are completely reusable. Assembled bridges can be cantilever launched from one side or they can be crane-lifted into place.

Strong and flexible cellular metal bin wall system
AIL's Bolt-A-Bin Retaining Wall System is a cellular metal bin wall system that surrounds a compacted mass of granular material. The cells are formed from strong, corrugated metal components that have Galvanized and Aluminized Type 2 performance coatings for long-lasting service.

The bin walls can be filled with locally available fill material. The filled metal shells act as a gravity cribwall to resist surcharged loading, sliding and overturning of the earth behind it. This combination of strong, corrugated metal and soil mass provides a sturdy and dependable retaining wall or bridge abutment solution. Bolt-A-Bin's flexible design adjusts to minor ground movement without cracking or bulging.

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Algonquin Bridge
121 Gerald Parkway
Thorndale, ON N0M 2P0
1-226-213-4707
algonquinbridge.com