



*Connecting communities. All ways.*



Custom Prefabricated Bridges



Modular Panel Bridges (Rent or Buy)



Turn-Key Bridge/Abutment Packages



# Your bridge. Your way. Right away.

Whether it's our Custom Prefabricated Bridges or our 'ready-to-roll' Algonquin Modular Panel Bridge Systems, we have the expertise and accelerated solutions you need, when you need them. Permanent or temporary, purchase or rental, our bridges are there for you, even in emergencies.

Our full-service approach covers engineering, design, fabrication, delivery and on-site installation assistance — from coast to coast throughout Canada.



## Permanent Bridges

We offer a wide variety of Custom Prefabricated Bridges for both pedestrian and vehicular applications. Designed to suit your specific site and manufactured to precise, factory-controlled tolerances, our Custom Prefabricated Bridges are often installed in just one day with local crews and equipment, thus minimizing road closures. The Algonquin Modular Panel Bridge Systems can also be configured for permanent installations.

## Temporary and Detour Bridges

Our inventories of Algonquin Modular Panel Bridge components are ready to ship for your temporary bridging needs — whether short-term or longer-term. These systems make excellent detour bridges during bridge replacement or repair and are also used on construction, forestry, mining or drilling sites where they can be easily disassembled and redeployed in new locations. They are available for purchase or as rentals.







Custom Prefabricated Bridges



Algonquin Modular Panel Bridges

## Rapid Response Emergency Solutions

As Canada's go-to emergency bridging specialist, Algonquin Bridge is ready to respond with available inventories of Algonquin Modular Panel Bridge Systems, in-house engineering and reliable field service.



Component inventory ready to ship across Canada

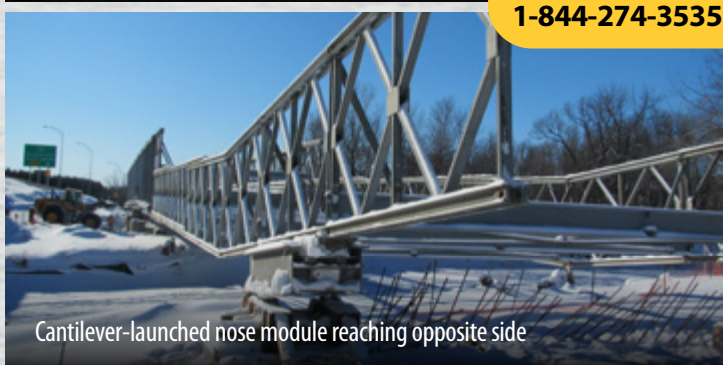


Assemble onsite with local teams

**24/7 TOLL-FREE HOTLINE  
1-844-274-3535**



Launch from one side without lifting equipment



Cantilever-launched nose module reaching opposite side

## Bridge Rentals

We stock a wide range of Algonquin Modular Panel Bridge components for both short- and long-term rentals.

### The benefits of renting

- ▶ Keep costs to timeframe of need
- ▶ Free up capital for other purposes
- ▶ No maintenance or storage expenses
- ▶ Improves project balance sheet and ROI

### The benefits of renting from Algonquin

- ▶ Canada-wide distribution and support
- ▶ Professional Engineer stamped drawings
- ▶ In-house engineering and design
- ▶ Dependable field service



# Efficient bridging solutions for all sectors

From the smallest pedestrian crossing to multi-lane vehicular spans, Algonquin Bridges are connecting communities — all ways. And beyond communities, they are also connecting mine sites, woodland trails, railways and even the far North. Wherever they are, you can be sure that the connection has been made with Algonquin's efficiency and quality built into every bridge. Because we're not just building bridges, we're building relationships.





# A bridge for all reasons

- ▶ Permanent
- ▶ Temporary
- ▶ Rental
- ▶ Detour
- ▶ Emergency
- ▶ Redeployable
- ▶ Vehicular
- ▶ Pedestrian
- ▶ Railroad
- ▶ Mining & Energy
- ▶ Forestry
- ▶ Military
- ▶ Utility
- ▶ Pipe Support
- ▶ Seasonal Lift
- ▶ Girder
- ▶ Recreational Trail
- ▶ Golf Course
- ▶ Construction
- ▶ Floating



Railway



Recreational Trail



Private Development



Northern





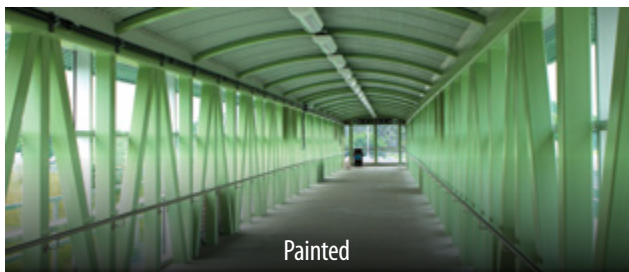
Our Custom Prefabricated Bridges are available in a variety of finishes.



Naturally Weathering



Galvanized



Painted

## Custom steel truss and girder bridges in a wide variety of styles and finishes

### RECOMMENDED FOR

- Pedestrian Bridges ► Vehicular Girder Bridges
- Vehicular Truss Bridges ► Covered Pedways
- Heavy-Duty Vehicular Bridges ► Golf Course Bridges
- Recreational/Trail Bridges ► Seasonal Lift Span Bridges
- ATV/Snowmobile Bridges ► Utility Bridges

Algonquin Bridge has been specializing in the design and manufacture of high-quality steel bridging solutions for over 20 years. Our bridges are designed for your site to keep fieldwork and extra costs to a minimum. Attention to detail is paramount. We focus on clear, concise communication.

- Utilize steel trusses or beams as the main load carrying members
- Widths up to 11 m, clear spans up to 75 m\* and multi-span crossings of any length.
- Longer span bridges are designed in sections for easy placement by lower capacity equipment
- Bolted span splices are engineered to keep field splicing as simple as possible
- Can also supply steel piers and towers

\*Single lane CL-625 Loading

## KEEPING COMMUNITIES CONNECTED



Recreational/Trail



Golf Course





Vehicular Truss



Vehicular Girder



Heavy-Duty Vehicular



Covered Pedways



Urban Parkland



Utility



## Adaptable and redeployable bridging solutions for virtually any application

*Available for sale or rental, Algonquin Modular Panel Bridge components are ready to ship quickly to any location in Canada.*



### RECOMMENDED FOR

- Detour Bridges ► Resource Road Bridges
- Emergency Bridge Replacements ► Stream Crossings
- Road or Rail Overpasses

Algonquin Modular Panel Bridges are innovative and economical bridging solutions for a wide array of permanent or temporary applications. Their components are inventoried with Algonquin Bridge and ready to ship across Canada.

They are easy to handle/assemble and are completely reusable. Designs can be configured for a wide range of roadway widths up to three lanes. Driving surfaces can be either steel deck (usually epoxy aggregate coated for improved traction) or timber.

- Uses 3 m pinned panels
- Clear spans in excess of 82 m\*
- Roadway widths of 3.15 m to 9.45 m
- Internal and cantilevered footwalks
- Configurable for vehicular, pedestrian or utility support uses
- Can also supply steel piers and towers

\*Single lane CL-625 Loading

## ACCELERATED BRIDGING SOLUTIONS

### Algonquin Modular Panel Bridge provides quick solution for CN rail crossing.

When CN needed to replace a failing, century-old, right-of-way crossing on their main line near Amherst, NS, an Algonquin Modular Panel Bridge System proved to be the most economical and versatile option for a speedy replacement. Once the old bridge was removed and cut up for recycling, the new 31.9 m bridge was assembled at the site and lifted into place in one day – without interruption to rail traffic. Precast abutments and cambered end sections provided additional height to ensure maximum clearances for double-stack freight cars.







## Algonquin Modular Bolted Truss Bridges

For heavier-duty applications, Algonquin Modular Bolted Truss Bridges use innovative 2.25 m long panels that are bolted to top and bottom chord members to form pre-cambered side trusses that carry the applied loads and counter dead load deflection.



## Multi-span bridge/piers package connects Northern Ontario First Nation.

A new Algonquin Modular Panel Bridge has provided vital year-round road access to a Northern Ontario First Nation community that had previously relied on either air transport or a 42-km ice road for its basic needs. As an Algonquin Bridge System, this packaged solution included two pier structures made from Bolt-A-Plate Custom Ellipses from our AIL Group sister company, Atlantic Industries Limited.





# THE ALGONQUIN BRIDGE SYSTEM

## Bridge Options

- ▶ Custom Prefabricated Vehicular or Pedestrian
- ▶ Algonquin Modular Panel

## Abutment Options

- ▶ Bolt-A-Bin (Bin Style)
- ▶ MSE Retaining Wall Systems
  - Wire Walls with Grid-Strip Soil Reinforcement
  - Precast Panel Walls with Grid-Strip Soil Reinforcement
- ▶ Timber\*

## Decking Options

- ▶ Epoxy Aggregate Coated Steel
- ▶ Timber: Typically shop-installed on Custom Prefabricated Bridges and site-installed for Modular Panel Bridges. Timber decking can also be provided in pre-assembled modules for site install.



# Package it up with the Algonquin Bridge System.

Save time and money on your next bridging project by asking us to supply your bridge as a complete package.

## Bearing Pad Options

- ▶ Concrete\*
- ▶ Precast Concrete Sleeper Slabs\*
- ▶ Timber (for temporary bridges)\*

## Backwall Options

- ▶ Timber (Untreated or Pressure-Treated)
- ▶ Corrugated Steel (Bolt-A-Plate)
- ▶ Precast Concrete\*
- ▶ Cast-in-Place Concrete\*

## Pier/Tower Options

- ▶ Concrete Pier\*
- ▶ Modular Panel Bridge Components

## Guiderail Options

- ▶ Flexbeam and Three-Beam Guiderail Components
- ▶ Parapet Rails, Posts, Terminal Sections, Transition Pieces and Fasteners
- ▶ Approach Rails, TL-4 Parapets, Transition Rails and Michigan Shoes\*

\* Some elements may be designed and supplied by others.



CALL OUR 24/7 TOLL-FREE NUMBER: 1-844-274-3535, OR EMAIL: [INFO@ALGONQUINBRIDGE.COM](mailto:INFO@ALGONQUINBRIDGE.COM)

The information and suggested applications in this brochure are accurate and correct to the best of our knowledge, and are intended for general information purposes only. These general guidelines are not intended to be relied upon as final specifications, and we do not guarantee specific results for any particular purpose. We strongly recommend consultation with an Algonquin Bridge Technical Sales Representative before making any design and purchasing decisions.



Our products contain recycled content and are 100% recyclable.



Greater Toronto Area, Ontario



Pangnirtung, Baffin Island, Nunavut



Fort McMurray, Alberta

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**COAST TO COAST TO COAST, THERE'S AN ALGONQUIN BRIDGING SOLUTION NEAR YOU.**



**Algonquin Bridge**

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