



Atlantic Industries Limited

# PROJECT PROFILE



May 17, 2021

## Fort McMurray golf course bridge replacement installed with an excavator and a tow truck

In the spring of 2020, ice jams on the Athabasca and Clearwater rivers in Fort McMurray led to severe flooding and the complete closure of the City's downtown core, causing over \$522 million in insured damage to the wider area. This included the washout of two bridges at the Fort McMurray Golf Club. We brought this opportunity to our AIL Group sister company, Algonquin Bridge, and our proposal to design and supply a replacement for one of bridges was selected.



### Project at a glance:

**Project Name:** Fort McMurray Golf Course Bridge

**Location:** Fort McMurray, Alberta

**Owner:** Fort McMurray Golf Club

**Consultant:** Terratech Consulting Ltd.

**Contractor:** Landmark Solutions

**Sector:** Private Development Bridges

**Application:** Golf Course Bridges

**Product:** Parallel Chord Steel Truss Bridge

**Dimensions:** Span 24.4 m, deck width 3 m

**Installation Time:** One day for superstructure, three days for foundations and complete installation





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## **Our seventh prefabricated golf course bridge in Fort McMurray**

This is our seventh prefabricated golf course bridge for the Fort Mac area, and the fourth for this course. We had supplied three similar crossings here in 2014. The new bridge was replacing an old one that was washed out at Hole 9. It is unknown when the original bridge was installed or who supplied it.

## **Prefabricated golf course bridge assembled and placed in a day**

The 12-ton bridge was delivered in two sections, then assembled and placed in one day by Landmark Solutions using an excavator on one end and a tow truck at the other. The complete project, with foundations, abutments, backwalls and approach backfill, took about three days.

## **Prefabricated golf course bridge delivered in two sections**

This new 24.4 m span parallel chord truss bridge is designed for vehicle loads (like golf carts) weighing up to 5 tons GVW (45 kN). Like our other bridges at this course, this bridge has a naturally weathering steel finish and wood decking.

AIL worked closely with Algonquin Bridge, Landmark Solutions and Terratech Consulting representatives to clarify requirements, provide drawings for review/approval and manufacture/deliver the prefabricated bridge on time in March of 2021.

Post-project follow-ups have confirmed that all stakeholders are happy with the bridge, the on-time delivery and the installation.

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