



May 12, 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. Algonquin Bridge was selected to design and supply a replacement for one of them.



Project at a glance:

Project Name: Fort McMurray Golf Course Bridge

Location: Fort McMurray, Alberta

Owner: Fort McMurray Golf Course

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

Our seventh prefabricated golf course bridge in Fort McMurray

This bridge 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.

This opportunity was brought to us by our associates at our AIL Group sister company, Atlantic Industries Limited (AIL). The Algonquin Bridge Team worked very closely with both AIL 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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