



May 31, 2018

Small bridge makes great big difference to NL harbour town

A small Algonquin Prefabricated Girder Bridge that rejoined two sides of a tiny harbour has made a great big difference to locals in the township of Portugal Cove – St. Phillip's. Without a Spurrell's Road Bridge for over a year, the St. Phillip's waterfront had, effectively, been cut in half, requiring motorists to take an inland route to get across to the other side.



Project at a glance:

Project Name: Spurrell's Road Bridge

Location: Portugal Cove, Newfoundland and Labrador

Owner: Government of Newfoundland and Labrador

Engineer: EXP Services

Contractor: Pyramid Construction

Product: Prefabricated Girder Bridge

Application: Stream Crossing for Municipal Road

Dimensions: Length 11 m, Width 7 m

Installation Time: One day

The bridge had been declared unsafe and was closed in April of 2016. Once things worked through the proper planning and tendering channels, Algonquin Bridge was awarded the contract to design and supply its replacement. It was delivered to the site on a single flatbed trailer and installed in just one day.

Skewed design needed to fit into existing abutments

The new bridge was manufactured with skewed ends to accommodate the angle of the existing roadway/abutments. We worked closely with the project team to have a good transition from the abutments to the deck surface and the assembly/placement went very well. A factory-installed, timber wearing surface allowed for a minimum amount of joints.

Galvanized finish ideal for coastal region

Being so close to the coastline, galvanizing was a real benefit for these bridges. We custom-designed the span in sections so it could still fit in the galvanizing tank. The resulting design innovations also saved fabrication time and allowed for more efficient shipping.

The new bridge was officially opened in May of 2017 with a ribbon-cutting ceremony: (L-R) Mike Sparrow of Pyramid Construction, Deputy Mayor Gavin Will, Mayor Moses Tucker and Rick Appleby of EXP Services.

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Take a drone-video tour of this Algonquin Steel Girder Bridge with galvanized finish and skewed ends.

