



Port Hope, Ontario Selects a Permanent Acrow Bridge to Restore Safe Passage Across the Ganaraska River

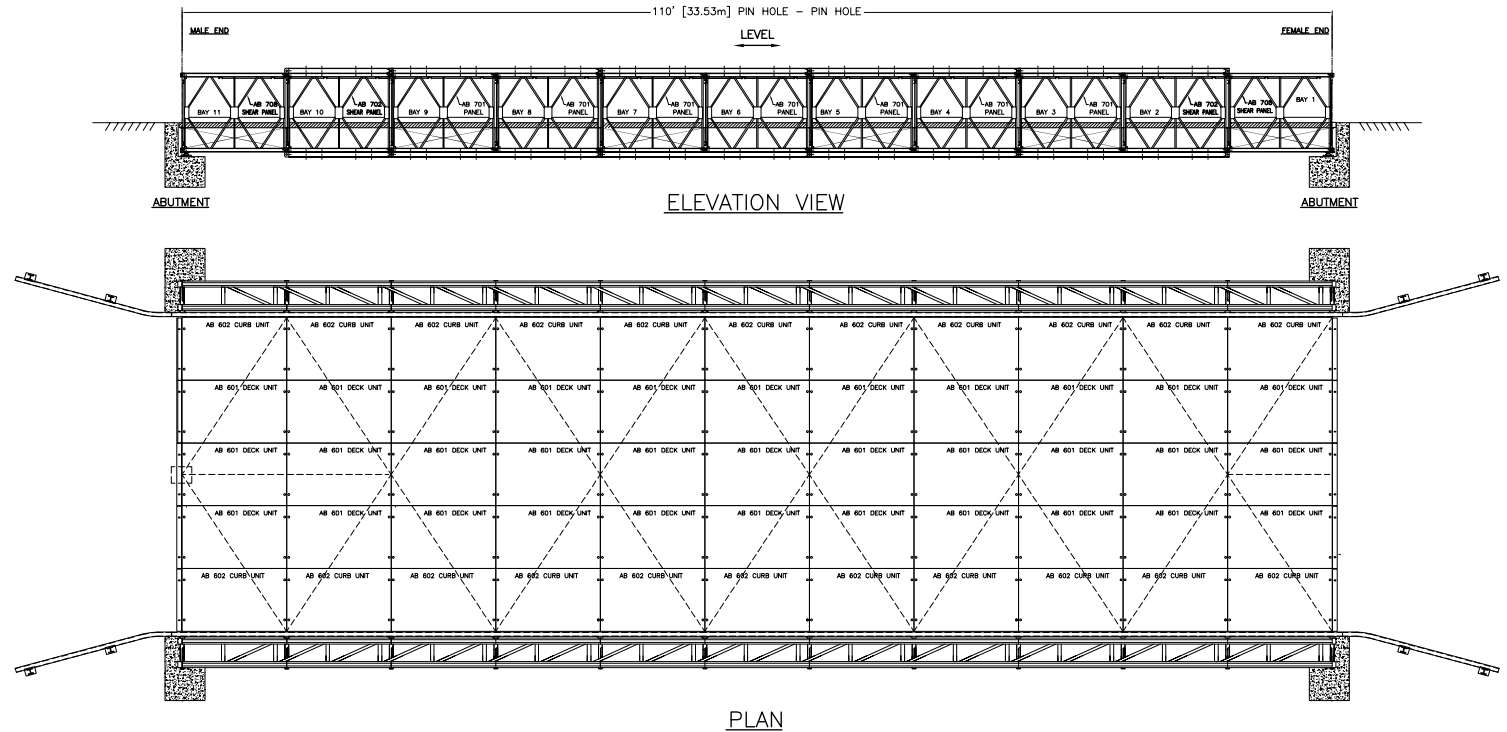
Cost-effective solution from Acrow replaces a failing temporary bridge

In 1980, flooding of the Ganaraska River devastated the downtown of the Municipality of Port Hope in southern Ontario and destroyed the existing bridge. In order to restore safe passage as quickly as possible, an emergency single-lane bridge was installed as a temporary solution while the search for a permanent replacement began.

Over the course of many years, different types of permanent structures were considered to replace the old bridge. A two-lane Acrow bridge was finally chosen by the citizens of Port Hope. They thought the structure's appearance was most suitable for the prominent downtown site, as well as being the most cost-effective solution.

The foundations for the new structure were started immediately upon removal of the old bridge in May 2017. Assembly and installation of Acrow's prefabricated modular steel bridge, measuring 110 feet (33.53m) long by 30 feet (9.15m) wide, followed shortly after and was completed in two months. The new, wider bridge improves traffic flow and includes a safer asphalt driving surface. Acrow also provided highway-rated guide rails for the approach roads to match the guide rails on the new bridge.

Easily transported and designed and built to last, Acrow's modular steel bridges are a perfect solution for cost-effective permanent bridging needs. Made entirely from high-strength, high-quality steel from ISO-certified mills, all Acrow components are hot-dip galvanized to ensure a maintenance-free life of up to 100 years.



Specifications

Bridge length:

110' (33.53m)

Roadway width:

30' (9.15m)

Deck surface:

Min. 2" (51mm) of asphalt at curbs sloping up to a 5.59" (142mm) crown at centerline

Bridge erection method:

Crane-assisted launch

Design load:

CL-625-ONT Truck as per CHBDC

Standard Acrow bridge finish:

- All major components galvanized to AASHTO M111-ASTM A123
- All bolts are hot-dip galvanized
- All pins are electrogalvanized

Standard Acrow bridge specification:

- (A) Panel chords, diagonals, verticals, reinforcing chords, rakers to AASHTO M223 GD 65
- (B) Raker braces, transoms, top chord braces, swaybraces, transom braces, diagonal chord braces, decking to AASHTO M223 GD 50
- (C) Panel pins to ASTM A 193 GD B7
- (D) Bolts to AASHTO M164M - A325