



Temporary Structure Supports Major Autoroute Reconstruction Project in Québec

Acrow bridge installed to carry relocated utilities during Autoroute 520 rehabilitation

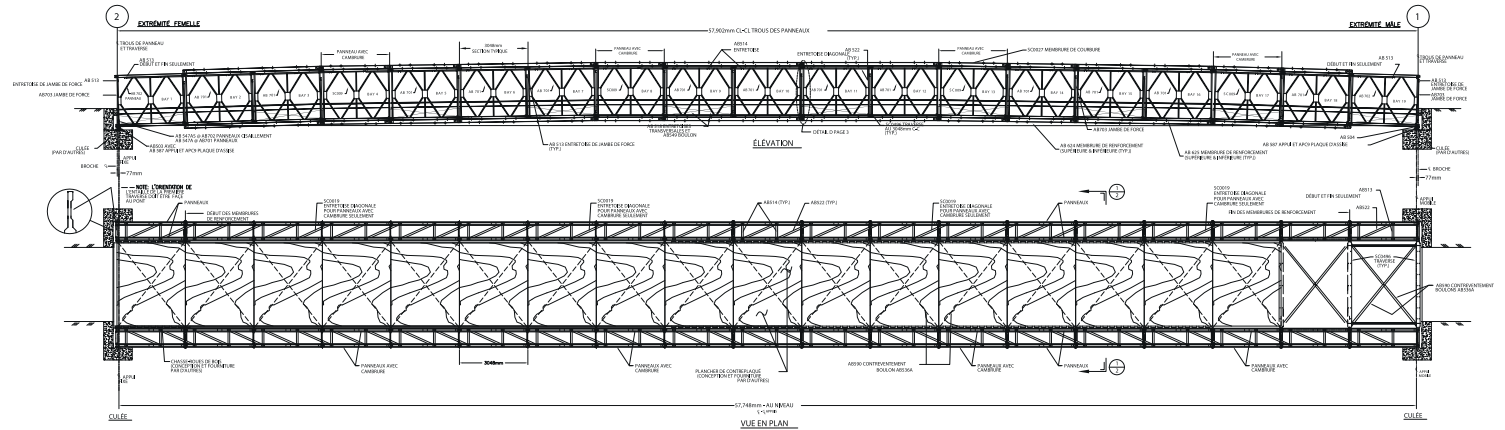
Autoroute 13 is a major north-south freeway in the Montréal urban region and the main link to Ville de Laval, the third-largest city in the province. When it became necessary to reconstruct the overpass at the junction of Autoroutes 520 and 13, a modular steel bridge from Acrow was selected to provide access for relocated utilities. At the interchange with Autoroute 520, Autoroute 13 carries heavy traffic across six lanes, making rapid installation of the temporary bridge a priority and Acrow's modular steel structure an ideal solution.

Acrow's bridge, purchased by the Ministère des Transports et de la Mobilité durable (MTMD), is 190 feet (57.91m) long with an interior width of 13 feet (3.96m) and a wooden deck to allow access for maintenance crews. Assembled and launched in a single weekend with minimal traffic disruption, the bridge will

support the utilities for the duration of the overpass reconstruction, which is anticipated to last two years. The bridge will then be disassembled and stored for use on future MTMD projects.

The contractor on the project is Construction Génix, with design engineering through a joint venture consortium between EXP and WSP.

The Acrow 700XS® panel bridging system is extremely versatile and adaptable to many temporary or permanent applications. Precision-manufactured with high-strength, high-quality U.S. steel from ISO-certified mills and galvanized to protect against corrosion, Acrow bridges can be easily disassembled, transported, and reused or stored for future projects.



Specifications

Bridge length:

190' (57.91m)

Roadway width:

13' (3.96m)

Deck surface:

Timber deck

Bridge erection method:

Crane-assisted launch

Design load:

The positive residual camber design was carried out according to the CAN-CSA-S6-19 standard

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