



Acrow's Beam Bridge Provides Critical Detour Route in Northern Italy

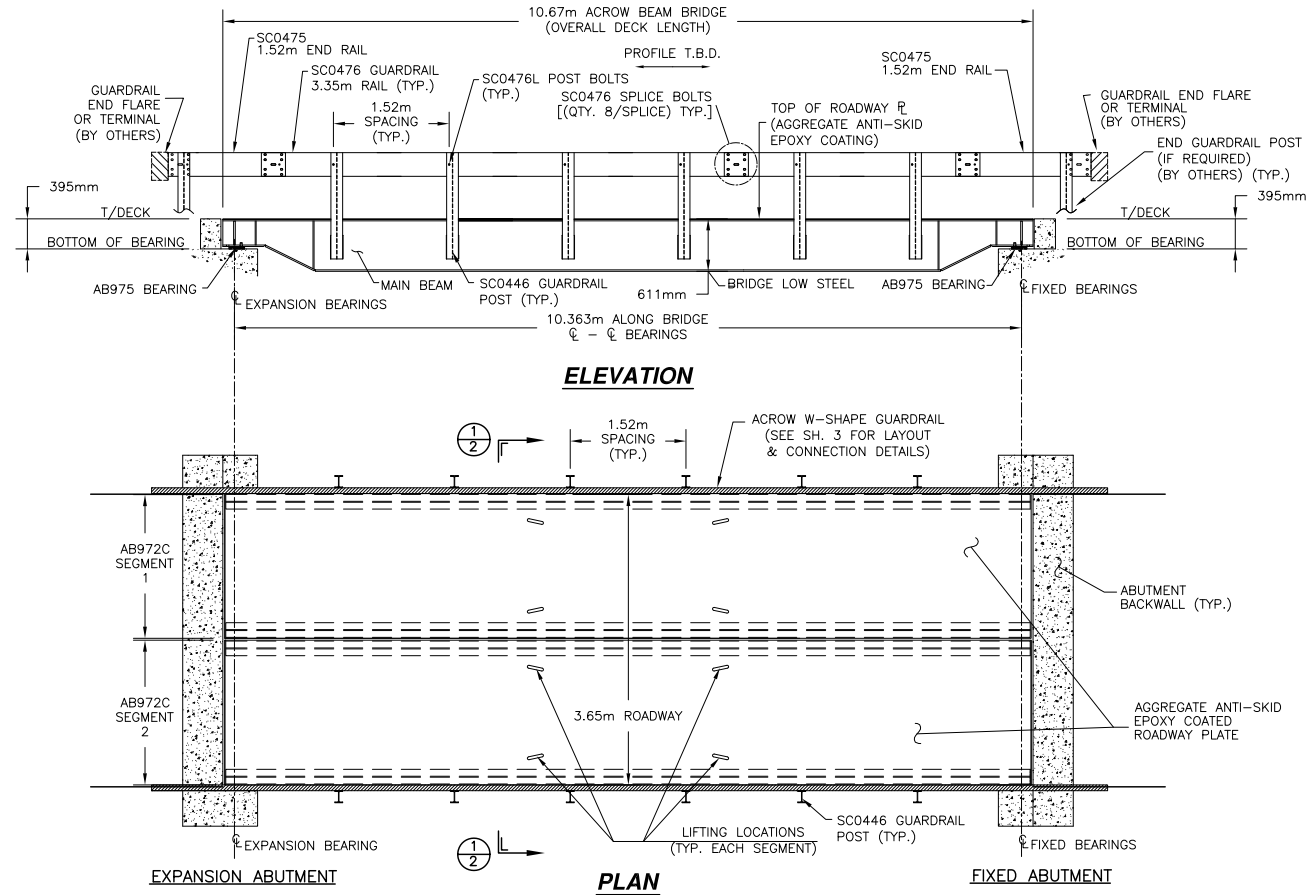
Modular structure reconnects Strada Provinciale 47/a in Verona's Casaleone Municipality

When structural deficiencies were found on the bridge over the Tregnone River on Strada Provinciale 47/a in Casaleone, it was closed immediately. Because the route is critical to local and commercial traffic and with no reasonable alternate passage available, finding a solution as quickly as possible became an immediate concern.

Selected as a result of a cost-benefit evaluation, an Acrow Beam Bridge reopened the route - a modular structure of 10.67 meters (35') long by 3.67 meters (12') wide. The installation took just three hours, including preparation of the bearings on the concrete abutments, pre-assembly of the side guard rail barriers on the beam bridge segments, the lift-in placement of the two segments onto the bearings and the completion of the guard rails. The bridge was opened 10 days later, after load testing and asphalt surfacing of the approaches.

The Province of Verona opted to rent the structure for an initial period of 12 months, during which time there are plans for a permanent replacement to be developed.

Acrow's beam bridges are expertly manufactured with U.S. steel to the highest international standards and are ideal solutions for restoring damaged short-span infrastructure quickly and cost-effectively. Although the province elected a temporary installation for this project, Acrow's high-quality modular bridges can be easily reconfigured as needed and; can support the heaviest loads with a long service life of 75 - 100 years, making them ideal for both temporary and permanent applications.



Specifications

Bridge length:

10.67m (35')

Roadway width:

3.67m (12')

Guard rails:

Guard-rail barriers with posts and w-shape profiles mounted on both sides of the bridge

Deck surface:

Epoxy aggregate

Bridge erection method:

Crane lift in

Design load:

26 mt (as per the recent Italian Guidelines on Bridges released by Ministry of Infrastructures and Transportation)

Standard Acrow Bridge finish:

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

Standard Acrow Bridge specification:

- (A) Plate, beams and framing to AASHTO M223 GD 50
- (B) Bolts to AASHTO M164M - A325