



Atlantic Industries Limited

# PROJECT PROFILE



March 11, 2024

## Twin Bolt-A-Plate Rounds with Best-Kote Coating ideal for MTQ's remote, deep-cover project

When MTQ needed to install a replacement stream-crossing solution in a remote area on the Gaspé Peninsula, a twin Bolt-A-Plate Round solution was selected. The new 3.36 m diameter structures replaced one aging 2.75 m culvert running under the rail bed near Chandler, QC.

Given the deep-cover requirements of this site, we value engineered the structures for maximum strength at reduced cost. These aspects added some complexity to the plate-assembly task for the contractor, Hamel Construction, but our on-site representative was able to assist with some support from our regional engineer.

The structures were installed at two different elevations. One was installed at a lower upstream elevation as a fish-passage solution with custom baffle inserts. A cast-in-place concrete wall provided extra support and washout resilience for both culverts at the upstream end.

### Project at a glance:

**Project Name:** MTQ Ferro Chandler Twin Bolt-A-Plate

**Location:** Chandler, QC

**Owner:** MTQ

**Contractor:** Hamel Construction Inc.

**Sector:** Railway

**Application:** Stream Crossing

**Product:** Bolt-A-Plate Round with Best-Kote Coating

**Dimensions:** Diameter 3.36 m, Length 47.6 m

**Installation Time:** Two months



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In the end, all parties were pleased with the project outcome and another Bolt-A-Plate order came in this year with the same contractor and the same team.

**Best-Kote Buried Bridge Coating delivers over 75 years of service**  
Building on the years of proven performance of polymer-coated corrugated steel pipe, AIL has partnered with some of the world's leading developers of coatings to provide Best-Kote Buried Bridge Coating. For extended service life of Super•Cor and Bolt-A-Plate buried arch bridges, tunnels and pipe culverts, Best-Kote offers superior protection and long-term durability.

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