



Atlantic Industries Limited

PROJECT PROFILE



November 15, 2024

Super-Cor Box with Best-Kote provides resilient and sustainable replacement to reconnect rural NS development

Canyon Point Resort is a rural “bare land” condominium development in Vaughan, Nova Scotia. When the catastrophic rain event of July 2023 washed out the 20' span bridge on the only road connecting the 250-ish residents to everything else, a robust solution was needed quickly. Buried Metal Bridge built with minimized habitat impact



Project at a glance:

Project Name: Canyon Point Road Bridge Replacement

Location: Vaughan, Nova Scotia

Owner: Hants County Condominium Corporation

Consultant: DesignPoint Engineering & Surveying

Contractor: McAdoo’s Landscaping & Excavating

Sector: Private Development

Application: Stream Crossing

Products: Super-Cor Box with Best-Kote, MSE Wire Walls

Dimensions: Span 11 m, Rise 2.5 m, Length 6.2 m

Installation Time: Approximately two weeks



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A temporary laneway crossing was installed a few days after the washout and work commenced to find a suitable permanent replacement that would be more resilient, sustainable and able to withstand future extreme weather events.

With some emergency government funding in place, the community worked with DesignPoint Engineering & Surveying to find a suitable solution. They decided an AIL Super•Cor Box Culvert with partial Best-Kote Coating and MSE Wire Wall Headwalls ticked all of the boxes. The wingwall sections were created with a block wall product from another supplier.



Box culvert geometry excellent for long-span, low-rise applications

Box Culverts made from our Super•Cor Structural Steel Plate are the perfect washout-resilient solution for long-span, low-rise applications with shallow cover requirements, like this one. Their wide-span, open-bottom designs allow for natural streambeds and excellent open-flow hydraulic properties — important factors in resilience to extreme weather events and washouts associated with climate change.

Working within a limited fish-window construction season, we developed a timeline and kept open communication with the project partners on deadlines. The contractor on this project, McAdoo's Landscaping & Excavating, was new to structural plate assembly, so we took extra time to show them some best practices to help ensure the best possible outcome. Positive feedback was received during and after the installation while AIL team members were on-site. Kudos to the McAdoo team for a job well done.

Best-Kote Buried Bridge Coating adds over 75 years of service

This project was value engineered with Best-Kote Polymer Coating on the leg/haunch plates to increase the life span of the structure. For extended service life of AIL's buried metal bridges, tunnels and pipe culverts, Best-Kote offers superior 360° protection and long-term durability.

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