

PROJECT PROFILE



Value Engineered Super-Cor solution sways NSTIR off concrete spec

The contractor and the owner were able to realize significant shared savings

VALUE ENGINEERING CASE STUDY

Nova Scotia Transportation and Infrastructure Renewal (NSTIR) had specified a concrete structure for a stream crossing on the new exit connector joining Highway 103 with Highway 3, at Ingramport, near Halifax. Knowing that our Super•Cor Arch would perform just as well and provide considerable savings, the AIL team went to work to prove their point.

A Value Engineered Alternative

To be successful on a design/build project like this, any solution other than the specified one has to meet the minimum requirements for an NSTIR Value Engineered Alternative (VEA). We met with their design office regarding a VEA with our Super•Cor Steel Arch with our MSE Precast Panel Wall headwalls. We indicated that

Project at a glance:

Name: Kieley Brook Bridge

Location: Ingramport, Nova Scotia

Owner/Engineer: Nova Scotia Transportation and Infrastructure Renewal

Contractor: Alva Construction Ltd.

Product: Super•Cor Arch with MSE Retaining Wall System (Precast Panel Walls)

Sector: Value Engineering, Transportation

Application: Stream Crossing

Arch Dimensions: Span 13 m, Rise 3.74 m, Length 30 m

Installation Time: Four weeks



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both these solutions were already specified in the NSTIR General Specifications and they agreed to evaluate them as a VEA.

By selecting our efficient and easy-to-install VEA solution, the contractor and the owner were able to realize significant shared savings. Plus, the Super•Cor Arch was a more environmentally-friendly option, with higher recycled content and lower impact on the fish habitat.

We worked closely with the contractor to ensure the structures were completed according to schedule. Project follow-up confirmed that all went well through the complete project cycle.

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Take a 360° video tour of this Super•Cor Arch with MSE Precast Panel Wall Headwalls





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