



Atlantic Industries Limited

PROJECT PROFILE



Economical GRS Wire Walls part of Super•Cor bridge replacement

AIL's GRS Wire Walls (with cobblestone at the face) are looking good — both on the site and on the bottom line of a recent Super•Cor bridge replacement in Armstrong, BC.



Project at a glance:

Name: Stepney Cross Road Bridge

Location: Armstrong, BC

Owner: Township of Spallumcheen

Engineer: Urban Systems

Contractor: Landmark

Sector: Public Works

Product: Super•Cor Arch with GRS Wire Wall
Headwalls

Application: Stream Crossing

Arch Dimensions: Span 11.02 m, Rise 2.45 m,
Length 12.9 m

Installation Time: Two days for structure,
15 days to complete



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Fast, flexible and easy to construct

Choosing AIL's versatile GRS Wire Walls, with locally stocked components and simplified construction, allowed the project team to keep pace with an accelerated schedule coupled with a fish habitat construction window. Our GRS System employs multiple layers of geotextile to strengthen the retained mass, which allows for a wider variety of native backfill materials — and also serves to keep costs down.

Due to poor quality foundation soils, the contractor needed to build up the bearing capacity on both sides of the creek to accommodate the structure with BC625 loading. Sheet piling was first used to shore up the area and over 50 wooden poles were pile-driven to support the precast footings and the Super-Cor Arch which was pre-assembled in a staging area and then crane-lifted into place.

The project was on time and on budget and the City of Armstrong now has a functional bridge for many years to come.

[See all Project Profiles on ail.ca](http://ail.ca)



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