



Atlantic Industries Limited

PROJECT PROFILE



AIL and MSE Precast Panel Walls rise to challenges in Banff National Park TCH twinning project

As part of the continued upgrade of the TransCanada Highway through Banff National Park in Alberta, AIL was contracted to design and supply MSE Retaining Wall Systems for:

- Four large downslope retaining walls;
- Three bridge abutments, and;
- Two large headwalls for an arch.
- Design-build project had many challenges

AIL has an impressive pedigree on some of Canada's largest and most challenging design-build projects. This one was made even more challenging by steep mountainous terrain with limited room for staging or detours. These factors resulted in some of the project being designed as a "work-in-progress," creating some unforeseen design and schedule implications.

Project at a glance:

Name: TransCanada Highway Twinning
(km76-82) Design Build

Owner: Parks Canada Agency

Owner's Consultants: EBA Engineering
Consultants, Buckland & Taylor Ltd.

Contractor's Consultants: MMM Group,
Morrison Hershfield Limited

Geotechnical Consultant: Golder Associates

Contractors: , ARJV, Aecon-Ruskin

Product/Application: MSE Retaining Wall
System (Precast Panel Walls with Precast Coping)

Dimensions: MSE Wall 7,000 m²,
Precast Coping 1,200 lm



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AIL is known for its on-going support throughout the entire project cycle. In this case, our team worked very closely with the contractor, Aecon-Ruskin Joint Venture (ARJV), and the consultants to provide quick responses on design reworks and also used on-site material, whenever possible, to reduce schedule delays. This kept the project moving forward with minimal cost or supply implications.

Precast coping saves time and money

Another factor that contributed to the success of the overall project schedule was the use of AIL's very quick and cost-effective precast coping.

"AIL's precast coping was economically a great alternative to traditional cast-in-place coping and the ease of install really accelerated our MSE wall completion schedule."

— John Lessard, Construction Manager, ARJV

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