



Atlantic Industries Limited

PROJECT PROFILE



May 22, 2019

“One Team” collaborative approach syncs Calgary’s Crowchild Trail retaining wall project

“The AIL Team have delivered with dedication, professionalism and a high level of technical support from design through to field execution.”

AIL is proud to be partnering with Graham Infrastructure LP on Calgary’s \$62 million Short-Term Improvements Project on the Crowchild Trail. Working very closely with the Graham team, we have been able to navigate a very complex three-tiered retaining-wall design, an extremely tight site/schedule and winter conditions.

“The AIL Calgary Team have been a major partner on the Crowchild Trail Short-Term Improvements Project where the complex retaining walls required a collaborative approach to ensure cost-effective, efficient and quality construction. The AIL Team have delivered with dedication, professionalism and a high level of technical support from design through to field execution.” – Graham Infrastructure

Project at a glance:

Name: Crowchild Trail Short-Term Improvements

Location: Calgary, Alberta

Owner: City of Calgary

Engineers: Associated Engineering,
ISL Engineering & Land Services

Contractor: Graham Infrastructure LP

Sector: Urban, Transportation

Application: Retaining Walls

Product: MSE Retaining Wall System (Precast
Panel Walls)

Dimensions: Five Precast Panel Walls
(1,300 m²), One Precast Concrete Lagging Panel
Wall (510 m²)



Atlantic Industries Limited

PROJECT PROFILE

Complex design, extremely tight site/schedule and winter conditions

We also collaborated with the project Consultants — Associated Engineering and ISL Engineering & Land Services — to come up with a suitable three-tiered design for the steep embankment, which is wedged in very narrow space. The bottom tier is made from a Precast Concrete Lagging Panel Wall, while the top two tiers use our MSE Precast Panel Walls.

Because of the nature of this high-traffic site with virtually no laydown area, smaller-lot nighttime material deliveries were required when detours could be in place. So it was critical that everyone was in sync. Close collaboration between the AIL and Graham teams was key.

AIL also provided winter installation guidance and worked with the multi-partner team to create work plans and method specs for compaction. A no-fine 40 mm drain rock backfill was used in order to facilitate winter installation.

Serving over 107,000 vehicles a day, Crowchild Trail is a major north-south corridor in the City. The Short-Term Improvements Project extends 2 km and includes the partial demolition, rehabilitation and retrofitting/widening of bridges and roadways to add new traffic lanes in each direction. Work is taking place along and over heavily trafficked roadways as well as the Bow River and the main Canadian Pacific Rail line. Construction is ongoing.

See all Project Profiles on ail.ca



Head Office:

32 York Street
Sackville, New Brunswick
Canada E4L 4R4
1-877-245-7473



Atlantic Industries Limited

ail.ca