



Atlantic Industries Limited

# PROJECT PROFILE



March 18, 2021

## AIL's Super•Cor with MSE Precast Panel Walls selected for more NSTIR 100 Series highway crossings

An AIL Super•Cor Arch, complete with Best•Kote Polymer Coating and MSE Precast Panel headwalls, is now taking shape for Nova Scotia Transportation and Infrastructure Renewal (NSTIR) along the Highway 107 extension project, also known as the Sackville-Bedford-Burnside Connector. This buried metal bridge for a grade separation at Pewter Lane joins a stream crossing at Wright's Brook on the same nine-km, four-lane expressway project.

### Structures join other buried metal bridges on NS 100 Series Highways

Similar AIL packages have also been selected for NS 100 Series Highway projects in recent years, including a large railway overpass on the Highway 101 twinning project near Windsor, a stream crossing on the Exit 5A connector on the recently twinned Highway 103 at Ingrauport and a bridge replacement project on Highway 3 at East River.

### Project at a glance:

**Name:** Pewter Lane Grade Separation

**Location:** Highway 107 (Burnside Connector)  
Dartmouth, Nova Scotia

**Owner:** Nova Scotia Transportation and Infrastructure Renewal

**Consultants:** Harbourside Engineering Consultants, EXP

**Contractor:** Dexter Construction Company Ltd.

**Sector:** Transportation

**Application:** Grade Separation

**Products:** Super•Cor Arch with Best•Kote and MSE Precast Panel Walls

**Dimensions:** Arch: Length 44.3 m, Span 13.2 m, Rise 7.1 m; Headwall: 403 m<sup>2</sup>

**Installation Time:** Two weeks for arch assembly



Atlantic Industries Limited

# PROJECT PROFILE

## Working closely with Dexter Construction to offer the best possible package

The AIL Team collaborated with Dexter Construction during the tender period to ensure we offered the best possible engineered package pricing for this grade separation project.

We also engaged EXP Services to provide a soil improvement design and an on-site inspection of the undercut and installation of the engineered foundation's granular material to ensure it could support the applied loads.

Internally, we coordinated with our engineering and manufacturing teams to meet the design and delivery schedules and keep pace with the construction timelines.

## AIL's winning highway crossing trifecta

AIL is very proud to have our highway crossings recognized for providing incredible value over competing systems such traditional concrete arches or span bridges. Our three-part buried metal bridge system offers many key advantages:

- **Super•Cor Structural Steel Plate**  
Handles extreme loads, easy to install with local crews and equipment
- **Best•Kote Polymer Coating**  
Superior protection and extended service life of over 75 years
- **MSE Precast Panel Walls**  
Economical systems available in a variety of architectural styles



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

### Head Office:

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



Atlantic Industries Limited

[ail.ca](http://ail.ca)