



Atlantic Industries Limited

# PROJECT PROFILE



## Super•Cor Box Culvert reconnects NL T'Railway after major washout

The major Thanksgiving 2016 storm event damaged a 200-km section of the Newfoundland and Labrador T'Railway Provincial Park. One of the worst washouts was at a five-culvert crossing over Dog Brook, near Badger. AIL was awarded the contract to replace the failed infrastructure with a single Super•Cor Box Culvert.

### Improved hydraulics of open-flow Box Culvert design

The wide-mouthed, low-rise design of the Super•Cor Box was the perfect solution to replace the smaller pipes that were prone to debris blockage and flooding. The assembled Box Culvert was set on prepared concrete footings and finished with concrete headwalls and our MSE Wire Wall wing walls.

### Project at a glance:

**Name:** Dog Brook Washout Repairs

**Location:** Newfoundland and Labrador  
T'Railway near Badger, NL

**Owner:** Department of Tourism, Culture,  
Industry and Innovation, Government of  
Newfoundland and Labrador

**Engineer:** Meridian Engineering Inc.

**Contractor:** J & T Welding & Construction  
Limited

**Product:** Super•Cor Box Culvert with MSE Wire  
Walls

**Sector:** Public Works

**Application:** Recreational Trail Stream Crossing

**Dimensions:** Span 7.0 m, Rise 2.0 m,  
Length 6.1 m

**Installation Time:** Box Culvert constructed in  
two days; full project in five weeks





Atlantic Industries Limited

# PROJECT PROFILE

## Fabricated and delivered ahead of schedule

The tender wasn't awarded until October of 2017, with the project needing to be completed before Christmas. We worked closely with both the owner and consultant from the preliminary stages through to construction to ensure the solution met their budgetary and schedule requirements. Our Engineering and Manufacturing Teams were lined up ahead of time and we were able to deliver materials to the site ahead of the required timeline. The owner's representative seemed very pleased:

*"A 200-km section of the T'Railway Provincial Park sustained damage during the 2016 Thanksgiving rain event. The most challenging repair project occurred at the Dog Brook site. The washout impacted local residents, disrupted trail continuity and was no longer providing unimpeded fish passage. AIL provided engineering support and assisted with a design that met our requirements and also an option where we could complete the repair in a short time frame. It was one of the few projects where we were able to complete on schedule — mostly due to the fact that AIL actually fabricated and delivered the Box Culvert ahead of schedule. The customer service provided by AIL's Stephen Ryan is consistently above average."*

— Angela Gill, Park Planner, Department of Tourism, Culture, Industry and Innovation , Government of Newfoundland and Labrador



**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)