



Atlantic Industries Limited

PROJECT PROFILE



Corrosion/abrasion-resistant Dur•A•Span selected for NBDTI project

The New Brunswick Department of Transportation and Infrastructure (NBDTI) needed to replace a pair of old steel culverts at Red Bank Creek under Route 123 near Chipman. They opted for a pair of corrosion/abrasion-resistant Dur•A•Span Aluminum Structural Plate culverts as a more effective solution for this site's very aggressive water chemistry.

Design service life of over 75 years

Made from solid aluminum alloy structural plate, Dur•A•Span, is ideally suited for your saltwater and aggressive soil applications. That's because aluminum has a tough, self-healing, oxide surface film that reforms immediately if it is mechanically damaged or corroded in an aggressive environment like saltwater or harsh soils. This makes Dur•A•Span corrosion-resistant culverts virtually maintenance-free, with a design service life of over 75 years.

Project at a glance:

Name: Red Bank Creek, Route 123

Location: Chipman, New Brunswick

Owner: New Brunswick Department of Transportation and Infrastructure

Engineer: Roy Consultants

Contractor: Dunbar Construction Ltd

Sector: Transportation

Application: Stream Crossing

Product: Dur•A•Span Structural Aluminum Plate, Round

Dimensions: Diameter 4.6 m, Length 37 m



Atlantic Industries Limited

PROJECT PROFILE

Chosen over reinforced concrete box culverts for all the right reasons — increasingly, smart specifiers recognize the many benefits of culverts made from Dur•A•Span:

- Solid, corrosion/abrasion-resistant aluminum
- Larger single opening, greater flow, less flooding
- No joint separation or differential settlement issues
- Bottomless, fish-friendly designs
- Variety of low-profile shapes, footings and end treatments
- Lightweight, easy to ship and install
- Low maintenance, improved life-cycle cost
- Proven in over 15,000 structures for over 20 years



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