



Atlantic Industries Limited

PROJECT PROFILE



June 22, 2026

Precast footings and value engineering reduce watercourse crossing costs for Nova Scotia wind farm

AIL designed and supplied seven Bolt-A-Plate watercourse crossings for construction/access roads at the Weavers Mountain Wind Energy Project in Nova Scotia.



Project at a glance:

Project Name: Weavers Mountain Wind Energy Project

Location: Pictou/Antigonish Counties, NS

Owners: SWEB Development, Glooscap Energy

Consultant: DesignPoint

Contractor: Dexter Construction (Municipal Group)

Sector: Energy & Mining

Application: Watercourse Crossings

Products: Bolt-A-Plate, MSE Wire Walls

Dimensions: Spans from 1.52 m to 6.5 m, Rises from 0.81 m to 2.37 m, Lengths from 15.95 m to 33 m



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Before the tender call, the AIL team worked with the consultant, DesignPoint, to review Department of Fisheries and Oceans requirements and assess suitable Bolt-A-Plate geometries. Of the 11 crossings originally planned, seven were ultimately constructed.

The open-bottom, fish-friendly arch spans ranged from 1.52 m to 6.5 m, and the two largest structures incorporated AIL's MSE Wire Walls. A value engineered headwall and wingwall solution reduced the length of these deep-valley, high-cover crossings, lowering overall costs.

AIL's in-house engineering team designs a range of precast footings

AIL's in-house engineering team also designed several precast concrete footings for the project, with the same footing configuration across multiple structures to simplify casting.

About the Weavers Mountain Wind Energy Project

Straddling the Pictou/Antigonish county line south of Highway 104, Weavers Mountain Wind Energy Project is a design-build initiative by the Mi'kma'ki-Municipal Limited Partnership. When completed, it will have 16 large turbines with a total capacity of 94.4 MW, or enough power for up to 33,000 homes.

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Head Office:

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



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ail.ca