Atlantic Industries Limited

PROJECT PROFILE



November 6, 2026

AIL's MSE Precast Panel Walls and MSE Temporary Wire Walls shore up CNR Overpass Bridge project in Red Deer, AB

AIL's MSE Precast Panel Walls and MSE Temporary Wire Walls are playing important roles in the reconstruction of the CNR Overpass Bridge in Red Deer, Alberta. The project will replace the original 1962 structure, which had reached the end of its ideal operational lifespan, with a new bridge designed to meet modern highway safety standards and improve public safety along Alberta's busy Highway 2 trade corridor.

AIL's MSE Precast Panel Walls provide permanent earth retention and support for the new bridge infrastructure. Their adaptability also allows them to accommodate and help support the cast-in-place concrete crash barriers, demonstrating the versatility of the system in meeting the project's specific structural requirements.

Project at a glance:

Project Name: Bridge File 75337, CNR Overpass Bridge

Location: Red Deer, AB

Owner: Alberta Transportation and Economic Corridors

Consultant: WSP

Contractor: Pidherney's Inc.

Sector: Railway

Application: Retaining Walls

Products: MSE Retaining Wall Systems (Precast Panels Walls and Temporary Wire Walls)

Dimensions: 1575 sqm

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MSE Temporary Wire Walls, constructed using black steel and filter fabric at the face, provide temporary soil retention to meet the project's construction schedule. These shoring walls hold back the soil during the first stage of the two-stage project. They will eventually be buried as construction advances, with the anticipated demolition of the neighbouring bridge, allowing the permanent Precast Panel Walls to be extended to support an additional new bridge.

Meeting construction timelines required close coordination and an expedited response. AIL accelerated engineering and shipping to ensure its materials would not delay site activities, while maintaining regular communication with the contractor to keep the work on schedule and within budget.

By combining permanent MSE Precast Panel Walls with temporary MSE Wire Walls, AIL is providing a flexible earth-retention solution tailored to support the ongoing reconstruction of a critical transportation crossing, helping advance the long-term safety and efficient movement of traffic along the Highway 2 corridor.







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