



Atlantic Industries Limited

PROJECT PROFILE



July 22, 2020

AIL's MSE Retaining Walls create access ramp for the dismantling of Montreal's old Champlain Bridge

A quick and inexpensive way to build temporary abutments or ramps

Montreal's Samuel de Champlain Bridge replacement is, arguably, one of Canada's largest infrastructure projects and AIL is proud to have been selected to play a supporting role in the project.



Project at a glance:

Name: Champlain Bridge Temporary Access Ramp

Location: Brossard, Québec

Owner: The Jacques Cartier and Champlain Bridges Incorporated

Engineer: GBI Consulting Engineers

Contractor: L.A. Hébert

Sector: Transportation, Urban

Application: Temporary access ramp

Product: MSE Retaining Walls (Temporary Wire Walls)

Dimensions: Diameter 4.3 m, Length 47.6 m

Installation Time: Approximately two months



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Temporary version of AIL's MSE Wire Wall Retaining Wall System

During construction of the new bridge, the east ramp of the old bridge on the Brossard side had to be removed. Once the new bridge was opened, a temporary access ramp was needed for the dismantling of the old bridge. Temporary abutments constructed of AIL's MSE Wire Walls were selected for this project at the suggestion of GBI Consulting Engineers' Montreal office, the consultants on this project.

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Retaining wall materials can be reused and recycled

AIL's temporary Wire Walls, with black (ungalvanized) steel components and filter fabric at the face, are a quick and inexpensive way to build temporary bridge abutments and ramps. Once the work is completed, dismantling is also quick. The owner or contractor can reuse the granular backfill material and the steel components can be recycled.

There were some initial delays in confirming the design and manufacturing of the soil reinforcement mats on this project, so the installation timing became very tight. Thankfully, the contractor, L.A. Hébert, was able to work longer days and some weekends to complete the project on time.

The client has since contacted AIL for a permanent MSE Precast Panel Wall on another section of this project, which is currently being manufactured for an early fall installation.

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