

RATTLE BROOK BRIDGE

FRP Re-Bar

PULTRALL

The Problem:

After being severely damaged by Hurricane Igor in September 2010, the Rattle Brook Bridge was in need of a major rehabilitation, deck and barrier walls.



Rattle Brook Bridge - Damaged by Hurricane Igor



Solution Benefits:

The technology of reinforced concrete is facing a serious degradation problem in structures due to the corrosion of steel rebar. In North America, the repair costs are estimated to be close to 300 billion dollars.

#4, #5, and #6 V-ROD HM GFRP bars were used in this project. A total of 6,000 meters of straight V-Rod was installed, including bars with anchoring heads.

Fibre-reinforced polymer (FRP) rebar has proven to be the solution. Lightweight, corrosion resistant, and offering excellent tensile strength and high mechanical performance, V•ROD rebar is installed much like steel rebar, but with fewer handling and storage problems.

Links:

www.arrowco.ca

www.pultrall.com

PROJECT HIGHLIGHTS:

Project:

Rattle Brook Bridge

Location:

Newfoundland

Date Installed:

September 2011

Product / System:

FRP Re-Bar

Owner:

NL Transportation & Public Works

Designer:

CBCL

Contractor:

Trident Construction

QUALITY PRODUCT SOLUTIONS FOR DESIGN AND CONSTRUCTION

ARROW PROJECT PROFILE