Maritime Electric, Prince Edward Island, Canada

Fibrelite Design Retrofit Chemically Inert Trench Covers For Precast Concrete Trenches On Prince Edward Island



Maritime Electric's new facility on Prince Edward Island required retrofitted trench covers to fit their precast concrete trenches



Fibreglass panels weight 2 to 3 times less than their iron and concrete counterparts of the same size

Project Overview

Maritime Electric Company Limited required trench panels for a new facility in Prince Edward Island, Canada. The panels needed to have a H20 load rating and fit inside of their custom precast concrete trench. The Fibrelite solution included bespoke angled trench panels which were designed specifically for this special high-profile application.

Problem

Precast concrete trenches had already been installed and required access covers.

Maritime Electric required a solution to be made up of an alternative to iron or concrete panels for a new substation in Prince Edward Island, Canada. Due to the weather in the Maritimes, the project needed covers that could counter the corrosive salt and other snow melting chemicals that will be used on site and the heavily trafficked road a short distance away from the site.



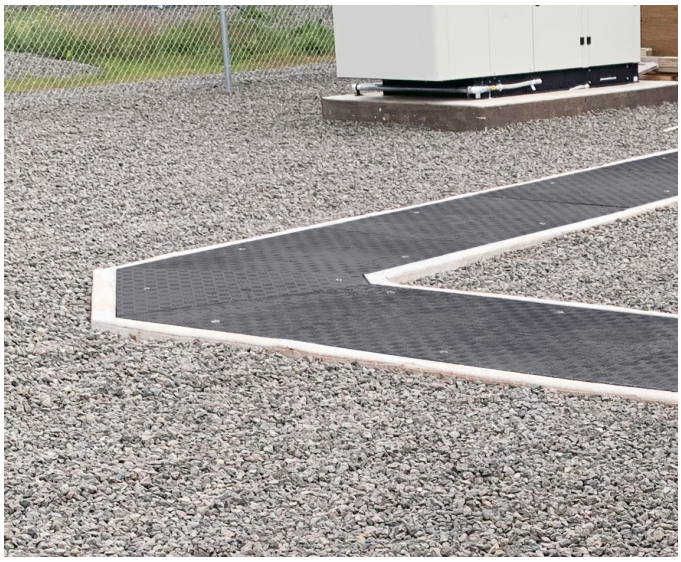
The project needed trench access covers that wouldn't be affected by the corrosive salt and other snow melting chemicals used

Solution

Fibrelite provided lightweight bespoke retrofit FRP composite trench panels for this site. Fibreglass panels weight 2 to 3 times less than their iron and concrete counterparts of the same size. Fibrelite panels also provide required traffic ratings for installation in lightly used streets and roadways.

Due to the corrosive salt and other snow melting chemicals that will be used on site to combat the harsh weather, Fibrelite GRP trench access panels were a perfect solution due to their inherent resistance to corrosion.

In addition, Fibrelite's lightweight panels allow for ease of removal of panels for maintenance. Covers can be safely and easily removed by two people using Fibrelite's ergonomically designed FL7 lifting handles.



Fibrelite custom engineered an angled trench panel to fit into the existing precast concrete trench

Results

Fibrelite's trench panels offered a perfect solution to the harsh environment in Maritime Canada.

For more information on Fibrelite's product range please contact us:

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All Fibrelite trench covers can be safely and quickly removed by two people using the FL7 lifting handles (image used for illustration purposes and shows a different installation)