

# Ste-Marie de Beauce Multipurpose Overpass

Ste-Marie de Beauce, Québec



**T**he Beshro family Suspension bridge in Saint Marie de Beauce is the longest span pedestrian bridge in the province of Quebec at almost 700 feet. In addition to the length, the usable 10 foot-width of the bridge was also key, as the bridge will not just serve pedestrians, but also all sorts of leisure equipment such as snowmobiles, four-wheelers, bicycles and skis. The main purpose of the bridge is for safety, eliminating the need for inherently dangerous ice crossings that sadly have often taken the lives of winter enthusiasts.

With a mandate to serve all the outdoor activities popular in the region, including motorized ones, this bridge needed to have high load capacity and a wide pathway as well as an attractive design with no “in-water” columns in a river notorious for dangerous ice jams. These criteria combined with a desire to have a slim attractive profile led to the obvious selection of an all steel suspension bridge.

Harsh winters and a humid climate combined with the extremely low maintenance budgets made proven, durable hot-dip galvanizing the go to solution to ensure corrosion-free longevity for all the steel in this bridge. Seeing the performance of some of the world’s first fully galvanized bridges nearby that are now well over 50 years old and still free of corrosion related maintenance sealed the deal!

This lithe beautiful bridge spanning the Chaudiere River ties together existing activity trails on both sides of the river with an unbeatable combination of low initial cost, nearly zero maintenance and rugged long service life thanks to the strength of steel and the protective power of zinc. ■

## Galvanizer

Galvanisation Quebec

## Engineer

Roche Ltée, Groupe Conseil

## Fabricator

Hugo Veilleux, Fabrication SBL Inc.

## Owner

Ville de Ste-Marie de Beauce

## Specifier

Martin Binet, Les Constructions Binet Inc.

## Bridge & Highway