

Vector®
Galvashield® XP
Project History

B.C. Ministry of Transportation and Highways Bridge Widening



Structure: Port Mann Bridge

Location: Vancouver, BC
 Canada

Specifier: BC Ministry of Transportation
 and Highways

Contractor: Flatiron/KWH
 Burnaby, BC

Project Description:

The existing 0.95 mile long (1.5km) Port Mann Bridge was to be widened by adding an additional lane in each direction. The new concrete lane and parapet wall was to be tied into the edge of the existing deck creating two longitudinal joints along the entire length of the deck.

Project Solution:

In order to minimize corrosion activity and to provide a long service life, Galvashield XP anode units were installed along the length of the new/old concrete interface. The embedded galvanic anode units help to overcome the natural differences in corrosion potentials which exist between the existing chloride contaminated concrete and the newly installed concrete.

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