

Saskatchewan Highways Bridge Parapet Wall Repair

STRUCTURE: Bridge Overpass
LOCATION: #7 Hwy over CN Rail
West of Saskatoon
PROJECT DATE: June 1996
JOB DURATION: 4 weeks
CLIENT CONTACT: Dave Altwasser
CONTRACTOR: Vector Construction Ltd.
Saskatchewan Branch



PROJECT DESCRIPTION:

Problem: Salt induced corrosion of the reinforcing steel causing surface delamination of the concrete surface.

Area: Full length of both parapet walls on the east bound lanes of this bridge structure.

- Procedure:**
- i) Remove contaminated concrete to a depth of 1/2" behind reinforcing steel.
 - ii) Grit blast the entire surface, both reinforcing steel and concrete.
 - iii) Pre-soak the concrete substrate for 24 hours prior to installation of the repair mortar.
 - iv) Spray apply multiple lifts of Emaco S88CA repair mortar.
 - v) Finish surface to original dimension.
 - vi) Wet-cure the repair mortar for a minimum of 72 hours.



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