

Saskatchewan Highways Norcure Chloride Ion Removal System

STRUCTURE: Overpass
 LOCATION: #16 Hwy over #11 Hwy
 PROJECT DATE: 1994
 JOB DURATION: 3 months
 CLIENT CONTACT: Herve Bachelieu
 CONTRACTOR: Vector Construction Ltd.
 Saskatchewan Branch



PROJECT DESCRIPTION:

Problem: Chloride ion intrusion of the supporting columns causing deterioration of the structural integrity of the columns. Remove the chloride ion to stop future deterioration of the structure.

Area: Supporting columns from ground elevations to a height of 3 meters.

- Procedure:**
- i) Patch and repair any delaminated areas using standard concrete patch and repair practices.
 - ii) Install Titanium mesh over the area to be repaired.
 - iii) Install wetting agent medium.
 - iv) Connect electrical supply and energize the system as required.
 - v) Monitor readings for up to 3 months to determine extent of Chloride Ion removal.



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#25-94SK-SK Hwys