

Owner: Vancouver International Airport Authority
Location: Dinsmore and Arthur Laing Bridges, Richmond/Vancouver, British Columbia
Coordinates: 49°10'43"N, 122°08'55"W & 49°12'12"N, 123°08'01"W
Market: Structural Repairs
Start / Completion Dates: November 2007 – December 2007
Contract Value: CDN \$298,000

**Project Description:**

Following routine inspection, it was determined that structural repairs were required to two of the Airport Authority's bridge structures.

The north-east off-ramp abutment of Arthur Laing Bridge had large areas in need of concrete surface patching due to spalling.

The pier caps on the Dinsmore Bridge had cracking similar to that of a structure that had collapsed in Quebec. To strengthen the pier caps, 46 diagonal thread-bars were inserted upward through cored holes in the caps and pressure-grouted.

In addition, the abutment deck joints were also replaced, along with the installation of sidewalk cover plates.

Corporate Role:

As General Contractor, Coquitlam Ridge Constructors implemented comprehensive traffic management and marine access plans prior to commencing the work.

With the exception of diamond-coring, all works were completed by CRC crews.

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