

Owner: City of Vancouver
Location: North main pier, Granville Street Bridge, Vancouver, British Columbia
Coordinates: 49°16'23"N, 123°07'56"W
Market: Structural Rehabilitation
Start / Completion Dates: July 2011 – December 2011
Contract Value: CDN \$377,000

**Project Description:**

The aging Granville Street Bridge, built in the early 1950's, has undergone numerous upgrades and life-extension works over the past decade. Recently, it was discovered that a large vertical crack had developed in the north main-span pier.

To restore the integrity of the pier, a reinforced, post-tensioned, ring beam was designed to encase the top of the pier, just below the main bearings. Through the installation of injection ports, the crack itself was completely filled with high-strength epoxy resin.

Corporate Role:

As General Contractor, Coquitlam Ridge Constructors completed all preparatory works, access installation, and construction of the concrete ring-beam. Epoxy injection and post-tensioning works were completed by local subcontractors.

CRC was also tasked with supervision and support for subcontractor-removal of PCB's located within the existing roller-bearing boxes.

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