

Fraser Highway Serpentine River Bridge

Owner: City of Surrey
Location: Fraser Highway Crossing of the Serpentine River, Surrey, British Columbia
Coordinates: 49°08'22"N, 122°44'17"W
Market: Bridge Structures
Start / Completion Dates: November 2008 – March 2009
Contract Value: CDN \$1,460,000

**Project Description:**

The Phase 1 construction of the Fraser Highway Serpentine River Bridge was one of the initial stages in the overall four-laning of the Fraser Highway project.

The new structure is two lanes wider than the existing trestle bridge and now above the flood level.

Corporate Role:

As Prime Contractor, Coquitlam Ridge provided services for the complete construction of a two-span, cast-in-place concrete bridge with pre-stressed, pre-cast concrete box beams. Coquitlam Ridge coordinated the subcontractor-installation of steel pipe piles at the abutments.

Runoff and tides resulted in dramatic changes to the river level throughout the course of the project. In order to construct the northwest abutment a cofferdam was installed to ensure the excavation remained dry.

Relocation of adjacent utilities and coordination of temporary flood control for adjacent properties were also required.

Project Reference: Mr. Lawrence Dunks – City of Surrey Tel. 604-591-8693