Port Mann Bridge

Vancouver, BC Canada

Project Description

The new 10-lane Port Mann Bridge will replace the existing 5-lane steel crossing built in 1964 that is now functionally obsolete.

Owner
Ministry of Transportation, British Columbia, Canada

Contractor
Kiewit / Flatiron JV

Designer
TY Lin, IBT

Our Role
McNary Bergeron has been asked to provide an independent check of the launching gantry designed by DEAL for use in erection of the balanced cantilever and span-by-span approaches.

Total Contract Value
$1B Canadian

Timeline
August 2008 - December 2012

Construction Method and Specifications
Twin Bridges:

- 850m long cable-stayed main span across the Fraser River built in balanced cantilever with derricks
- 360m long south approach
- 820m long north approach
- precast segmental box girder approaches
- erected in balanced cantilever and span-by-span
- 65m wide with two five-lane decks
- specialized launching gantry designed by DEAL will erect both span-by-span and balanced cantilever