

Location

Vancouver – Whistler,
B.C.

Client

Peter Kiewit Sons Co.

Project Type

Highway / Bridges

Services

Design Project Management for all aspects of the design; detailed highway, drainage, bridge, retaining wall and other structures design; value engineering; construction support; construction over-view to support design certification.

Duration

2005 – 2009

Construction Cost

\$500 Million

Client Contact

Stuart Brown, P. Eng.
Peter Kiewit Sons Co.
Design Coordination
Manager
Tel: 604-629-5323
Cell: 604-328-6116

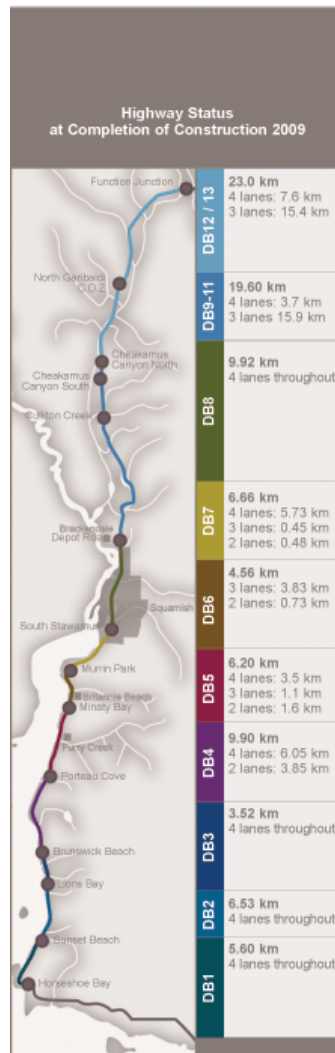
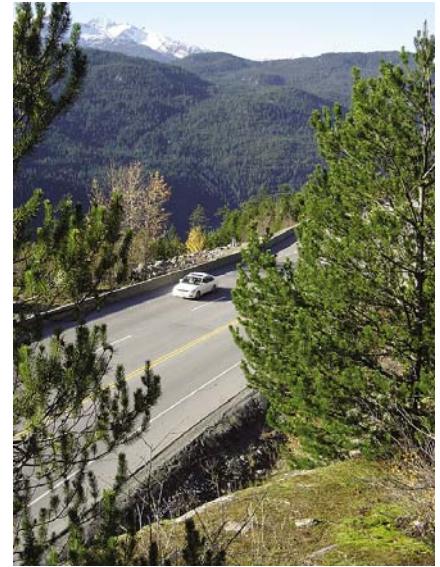
HMM Key Staff

Tony Purdon
Tony Martin
Chris Mealing
Greg Neumann
Wendy Itagawa Jacks
Matthias Yu
Avtar Badesha
Peter Chan

Project Description

The Sea-to-Sky Highway Improvement DBFO Project comprises highway improvements for an existing transportation corridor extending between Horseshoe Bay, West Vancouver and Function Junction, near Whistler, B.C. New highway and structure works improvements occur on sections totaling approximately 65 km of the 95 km corridor.

The Design-Build scope of work covers a variety of civil works including: new highway sections; widening, realignment and repaving of existing sections; replacement and upgrade of existing bridges; addition of new bridges and downslope structures; drainage works and utilities; local lighting and traffic signals; environmental impact mitigation measures; landscaping and site restoration; and associated works including soil and rock excavation, backfilling, retaining walls and rock slope stabilization.



HMM Role

HMM is the Designer for the Design-Build Contractor (Peter Kiewit Sons Co.), responsible for the management of all design work, and for detailed design of specific sections of the Project.

Highlights

- A British Columbia Ministry of Transportation Design-Build-Finance-Operate (DBFO) Project with the Concessionaire established by Macquarie Group, one of the world's largest private road developers, under a 25 year concession agreement to design, build, finance, operate, maintain and rehabilitate the highway.
- This \$500 million (CDN) project links communities from West Vancouver to Whistler through mountainous terrain.
- Construction to be completed by July, 2009, prior to the start of the 2010 Winter Olympics in Whistler.
- HMM is leading a team of 14 design consultants to complete the design of over 65 kilometres of new highway improvements including 40 bridge structures
- Significant improvements to the highway include: an 80km/hr design speed throughout most sections; four-lane divided highway through majority of the West Vancouver to Squamish sections; dedicated, separate exits for local and ferry traffic at Horseshoe Bay; additional passing lanes between Squamish and Whistler; and many safety enhancements such as high reflective pavement markings, signal improvements and rumble strips.