

Sea to Sky Highway Improvement Project Owner's Engineer

British Columbia, Canada

Transportation

MANDATE

SNC-Lavalin served as Owner's Engineer on the approximately 100-km-long Sea to Sky Highway Improvement Project, from West Vancouver to Whistler, British Columbia. As such, the company was a key member of the project management team led by the BC Ministry of Transportation. The team's mandate was to provide technical advice, design, construction quality management and project management services to ensure the project requirements were met.

DESCRIPTION

The Sea to Sky Highway Improvement Project was a milestone undertaking for the Province of British Columbia, with significant technical and stakeholder challenges. The project improved safety and capacity along the 100-km corridor in order to support current averages of 13,700 vehicles per day from Horsehoe Bay to Squamish, as well as projected population and economic growth over the next ten years.

The project:

- Straightened the highway and improved sightlines on key sections
- Created 80 km of passing lanes
- Installed 36 km of median barrier or raised median
- Installed reflective pavement markings
- Widened shoulders to 1.5 m to improve safety and accommodate cyclists

SNC-Lavalin was responsible for the management of all engineering and technical components of the project, providing the Project Team with the necessary engineering and technical expertise to manage issues likely to influence the project scope and objectives.

SNC-Lavalin technical staff were responsible for anticipating and resolving technical issues, managing technical consultants, reviewing technical submissions and making strategy recommendations. SNC-Lavalin's scope of work also included project management, quality management, construction management, and stakeholder management.



The budget for the project was approximately \$600 million, with the last section reaching Substantial Completion on June 30, 2009. Final Completion was achieved on June 30, 2010. As Owner's Engineer, SNC-Lavalin completed close-out activities, which were finished by December 31, 2010.

SERVICES PROVIDED

SNC-Lavalin's scope of work included project management, conceptual engineering, planning, detailed design, construction management, and representing the Ministry in public consultation venues.

AWARDS

SNC-Lavalin was awarded first prize in the category of "Recognition of Excellence in Specialized Services" for its work on the project by the BC Ministry of Transportation at the annual Changing Lanes Transportation Conference in February 2004. This prestigious award from the client showcased the consistently high level of service that SNC-Lavalin provided until the 2010 Winter Olympic Games. In 2009, the Sea-to-Sky Highway Improvement Project was awarded the Gold Award for Infrastructure by the Canadian Council for Public-Private Partnerships.

SECTOR OF ACTIVITY
Roads/Highways

CLIENT
BC Ministry of Transportation

YEAR OF COMPLETION
2010