



2013 AWARDS FOR ENGINEERING EXCELLENCE

Award of Merit

202 Street Bus Rapid Transit Project



Consultant

Hatch Mott MacDonald
with MMM Group, McElhanney Consulting Services,
Delcan Corporation and CMS Focus

Owner/Client

Transportation Investment Corporation

Category

Transportation

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The 202 Street Bus Rapid Transit (BRT) Project was completed by the Transportation Investment Corporation in partnership with provincial and federal governments and TransLink. Its purpose was to accommodate regular scheduled bus service over the new Port Mann Bridge for the first time since 1986. Scope included:

- new Carvolth Exchange to serve as eastern terminus for the new Express Bus over the Port Mann and Golden Ears Bridges;
- central hub for northern Langley;
- 679-stall park & ride lot;
- new 25,000m³ capacity retention pond to service local neighbourhood and support future development in the Township's Carvolth Plan;
- Improved and expanded wildlife/fisheries habitat in collaboration with DFO, including innovative stormwater runoff;
- new 202 Street alignment connecting 86 and 88 Avenue crossing the Trans Canada Highway;
- new highway overpasses and on- and off-ramps with roundabout connection to 202 Street;
- multi-use pathways; and
- utilities protection, relocation and installation.

The consultant team developed cost-effective and innovative solutions, and successfully managed costs and schedule while maintaining high quality. Technical challenges included compressible soils, traffic management, drainage, environmental protection and properties acquisition.

Principal members of the consultant team include Hatch Mott MacDonald, MMM Group and McElhanney Consulting Services (design), Delcan (project management), and CMS Focus (construction management). Supporting consulting firms include Thurber Engineering (geotechnical), PBA Engineering (Electrical), Hatfield Consultants (environmental) and durante kreuk Ltd. (Landscaping).

The project commenced operation on December 1, 2012 – the same day the new Port Mann Bridge officially opened.