



Award of Merit The Low Level Road Project



Consultant

Stantec

Owner

Port Metro Vancouver
City of North Vancouver

Client

Port Metro Vancouver

Category

Transportation & Bridges

The Low Level Road (LLR) project involves the realignment and widening of approximately 2.2 km of urban and rural arterial road between St. George's Avenue and Gladstone Avenue/East 3rd Street within the City of North Vancouver boundaries. In addition, the project includes the improvement of slope stability, community connections and road safety with the construction of multiple retaining walls, a vehicle overpass, over 5 km of pedestrian and cyclist facilities, and three pedestrian bridges.

As the Prime Design Consultant for Port Metro Vancouver, Stantec provided design management and engineering services for civil/roads, rail, structural, construction support, utilities/drainage, geotechnical, electrical and traffic engineering; as well as landscaping design.

The main objectives of the LLR project include:

- To eliminate the rail/road conflict and associated safety risks at the existing at-grade crossing for the Neptune/Cargill terminals,
- To address safety issues related to slope stability and proximity of vehicles/cyclists to trains, by implementing a tiered retaining wall system along the Low Level Road corridor that provides a grade separation between road and rail; and
- To accommodate Port Metro Vancouver sustainable growth strategy.

While achieving engineering excellence, the LLR project provides significant benefits to the surrounding community and enhance rail and port operations as international trade continues to grow. In addition, the LLR project also improves local life quality and provides environmental benefits while increasing employment opportunities in the North Shore area. The LLR project is a strong example of engineering innovation and demonstrates the importance of keeping community in mind to deliver a successful project.

For more information, please contact:

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