



2017 AWARDS FOR ENGINEERING EXCELLENCE

Award of Excellence

Millennium Line Evergreen Extension Operational Readiness Program



Consultants

CH2M HILL Canada Limited

Owner/Client

TransLink/BC Rapid Transit Company

Category

Soft Engineering

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The Millennium Line Evergreen Extension Project is an 11-kilometre addition to the existing SkyTrain network in a combination of elevated, at-grade, and tunneled track, with six new stations in the municipalities of Burnaby, Coquitlam, and Port Moody.

As part of the final stage of the Evergreen Extension implementation, CH2M HILL Canada Limited was engaged as the Activation Team to oversee the operational readiness of the system. The Operational Readiness Program paved the way for identifying, developing, and executing test scenarios that would verify the functionality of the new system. It included the training of new and existing staff and offered an opportunity to test the system from both a customer and safety perspective prior to opening for full service. The tests allowed for the development of a collaborative, unified effort in response to situations that were either unique to the line, or simply new to the communities.

The success of the program resulted in the opening of the Evergreen Extension on December 2, 2016 – and Metro Vancouver now boasts the longest, fully-automated, driverless, rapid-transit system in the world.