



## 2017 AWARDS FOR ENGINEERING EXCELLENCE

### Award of Merit Evergreen Line Rapid Transit Project



#### Consultants

SNC-Lavalin *with* WSP Canada Inc.,  
McMillen Jacobs Associates, and Tetra Tech EBA

#### Client

BC Ministry of Transportation and Infrastructure

#### Owner

Province of British Columbia

#### Category

Transportation & Bridges

SNC-Lavalin's team was responsible for the design, build, and partial financing of the Evergreen Line Rapid Transit Project. The design-build scope consisted of five kilometres of elevated guideway, four kilometres of at-grade guideway, and a two kilometre bored tunnel along with seven stations, power substations, train operating systems, parking facilities, and a vehicle storage and light maintenance facility. The extension expands the existing Lougheed Town Centre Station and adds six new stations with provisions for two future stations. The new line integrates with bus and other transit facilities for pedestrian, vehicle, and bicycle access.

The Province of BC required the use of Advanced Light Rapid Transit technology, which is automated, driverless and runs along a separate, dedicated guideway.

Fully separated from street level traffic, the line is a safe and efficient form of public transportation. The system includes a number of passenger access and safety technologies, including platform and guideway intrusion and emergency stop systems. Stations were designed in accordance with Crime Prevention Through Environmental Design guidelines, which reduce opportunities for crime by ensuring that people in the station can easily see one another and be seen through unimpeded sightlines and security cameras.

The Evergreen extension opened for service in December 2016.

For more information, please contact:

Jodi Rogers  
SNC-Lavalin  
☎ (604) 662-3555 ext. 52410  
jodi.rogers@snclavalin.com