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## BC skytrain installs Silent Protector noise barrier to mitigate railway noise

**Custom-engineered sound wall will protect residential towers from rail noise**

The Evergreen Line is an 11 km extension to the existing SkyTrain system in Vancouver, BC. Scheduled to complete in early 2017, it will connect Coquitlam City Centre through Port Moody to the Lougheed Town Centre Station in Burnaby. Due to residential towers being developed near that station's elevated guideway, a lightweight sound mitigation solution was required that could easily be integrated with its existing railing structures.



### Project at a glance:

**Name:** Evergreen Line Rapid Transit Project

**Location:** Port Moody, BC

**Owner/Engineer:** SNC-Lavalin Constructors (Pacific) Inc.

**Contractor:** EGRT Construction

**Product:** AIL Sound Walls, Silent Protector (Absorptive)

**Application:** LRT Guideway Noise Barriers

**Dimensions:** Section 110 - 274 m long x 1.1 m tall

**Installation Time:** Two weeks to install posts and panels

## **Our second project on the Evergreen Line**

The owner, being very satisfied with another sound barrier we had previously designed and supplied further down this line, contacted the AIL Sound Walls team for this project.

## **System was custom-engineered to fit the railings**

The aim was to make this sound barrier system as simple and easy to install as possible. Our AIL Sound Walls and Engineering Teams worked very closely with the owner and their consultants to review all of the specifications and testing to ensure that our custom engineered and fabricated posts and brackets would fit on the guideway's existing handrail system.

When dealing with noise such as rail traffic, AIL's Silent Protector (Absorptive) sound barrier wall system provides optimum performance. Constructed with long lasting PVC and acoustical mineral wool, Silent Protector is one of the industry's top-performers.

All project partners were very pleased with the ease of installation and the finished results. AIL Sound Walls has several other guideway railing sound mitigation solutions like this.

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