

**RE: Review of AIL Sound Wall Silent Protector**

**PRODUCT**

AIL Sound Wall Silent Protector is manufactured and distributed by Atlantic Industries Ltd located in Ayr, Ontario.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

The AIL Sound Wall Silent Protector is a post and perforated panel absorptive sound barrier wall system specifically engineered and designed for maximum noise reduction in the transportation industry. With an overall density of more than 4 pounds per square foot and able to withstand a considerable wind live load, this noise barrier wall delivers strength and noise reduction performance that makes it ideal for multiple industrial, commercial and residential uses. Product Web Link:: <http://hlhwalls.com/>

**DESCRIPTION**

AIL Sound Wall Silent Protector overall dimensions are 2.43 m wide by 2.44 m long and 70mm thick. The system consists of sixteen tongue and groove pieces. The Silent Protector system is made of a perforated co-extruded vinyl shell with acoustic grade mineral wool filler. The Silent Protector panels are absorptive on one side of the panel with a perforated routing pattern.

**POTENTIAL USAGE**

AIL Sound Wall Silent Protector is designed and manufactured to be used in areas that require sound attenuation. AIL Sound Wall Silent Protector have been approved and installed in various US states and is currently being reviewed by the Canadian provinces.

**STANDARDS**

ASTM E90  
AASHTO Design Guide Specifications for Structural Design of Sound Barriers  
CSA-S6 Canadian Highway and Bridge Design Code  
CSA Z107.0 Canadian Standard for Noise Barriers

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE**

Alberta Transportation has no experience with this product

**APPLICABLE STANDARDS**

Alberta Transportation have no specifications for sound attenuation, however **sound walls are to be installed outside the clear zone.**

**RECOMMENDATIONS:**

AIL Sound Wall Silent Protector be listed as a Potential Product under Alberta Transportation Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

**TRIAL PROJECTS**

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Clayton Matwychuk/Jim Gavin