

ACRYLITE[®] SOUNDSTOP BIRD GUARD PANELS

Located southwest of Downtown Montreal, Pointe-Saint-Charles is a growing community made up of industrial and residential areas. Less than 2 kilometres from Central Station, numerous trains on the CN Rail, Via and Amtrak lines run through the neighbourhood daily.

Set to open in 2018, the Pointe-Saint-Charles Maintenance Centre will play a crucial part in maintaining the reliability of the commuter rail service, featuring parking areas for trains, an inspection shop, a repair shop, a train wash, and much more. In 2010, an acoustic study was conducted to discover whether the proposed activities from the Maintenance Centre would exceed municipal noise standards for the area. The results of the study demonstrated a need for noise abatement to protect the neighboring residents from predicted excess noise levels.

OWNER

Réseau de transport métropolitain (formerly Agence métropolitaine de transport)

CONTRACTOR

Pomerleau-Kiewit

INSTALLATION CONTRACTOR

Universal Structures Inc.

ARCHITECT

TLA-ARCHITECTS

CONSULTING ENGINEER

Les Consultants S.M. Inc

LOCATION

Pointe-Saint-Charles, Québec



Through collaboration with the client, Durisol designed a 7 metre high, 134 metre long transparent noise barrier system to be mounted above a concrete parapet wall (by Others) along the rail line. The ACRYLITE[®] Soundstop transparent sheets include the use of “Bird Guard” – panels are manufactured with bird-detering horizontal stripes embedded into the ACRYLITE[®] product. These stripes are visible obstacles for birds; however, still maintain the transparency of the panels.

The end result was a noise barrier wall that could effectively mitigate noise without compromising the visibility of the downtown core for passersby.