

Mayfield Road Noise Wall Replacement Lawlor Court, Sundridge Street, Twin Willow Crescent, Bimmer Place Public Consultation

Background

The Region of Peel is in the design stage for the replacement of Private Noise Walls along Mayfield Road between Hurontario Street and West of Robertson Davies Drive/Cresthaven Road.

Under the Program, there is no cost to you for this noise wall replacement and its future maintenance, as after conversion, these noise walls will become the Region's responsibility.

Wooden (cedar) or Composite Concrete noise walls?

The existing noise walls material is wood and can be replaced with either concrete composite panels or cedar wood. For either material, noise reduction properties and wall height will remain similar to the existing wall. The main difference is the impact on the number of trees required to be cut down:

- 123 trees to be removed for **concrete composite noise walls**
- 82-94 trees to be removed for **wood noise walls**

Visit peelregion.ca/pw/construction/bram/mayfield-road-noise-wall.asp for a detailed comparison of the two materials and additional information.

We need your input

Public consultation is important to the success of this project. We invite you to engage with us, discuss your concerns, and provide your feedback on the alternatives (concrete vs. wood) of the replacement noise walls material.

Please provide your feedback by Friday, February 25, 2022 by email or by phone at the contact listed below. Due to the current COVID-19 Provincial restrictions, an in-person public consultation session cannot be held. The project team will review and consider the feedback received in selecting the noise wall replacement material. The Region will support the noise wall material option that is chosen by the majority of respondents (50%+).

Results will be posted on peelregion.ca/pw/construction/bram/mayfield-road-noise-wall.asp.

Feedback and Information

To send your feedback or for more information about this project, please contact:

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Mayfield Road Noise Wall Replacement Lawlor Court, Sundridge Street, Twin Willow Crescent, Bimmer Place Noise Wall Material Comparison

CATEGORY	SUB-CATEGORY	CONCRETE COMPOSITE NOISE WALLS	CEDAR WOOD NOISE WALLS
Acoustical capabilities	Effectiveness for reducing noise	<ul style="list-style-type: none"> Both products have the same noise reduction properties 	
		<ul style="list-style-type: none"> Both have comparable noise absorption specifications 	
		<ul style="list-style-type: none"> No noise reduction advantage of one over the other 	
Durability	How long will the material last?	<ul style="list-style-type: none"> Up to 40 years depending on environmental factors 	<ul style="list-style-type: none"> 20 to 25 years depending on environmental factors
		<ul style="list-style-type: none"> No maintenance required 	<ul style="list-style-type: none"> Minimum maintenance is required (Re-staining is required every few years)
Workability	Speed and ease of construction	<ul style="list-style-type: none"> Concrete panels are heavy and customizing to size is difficult, labour intensive and expensive 	<ul style="list-style-type: none"> Wood panels are light and customizing (cut to size) can be easily done on site fast
		<ul style="list-style-type: none"> Installation is difficult and slow, requiring use of larger equipment (crane) and labourers 	<ul style="list-style-type: none"> Installation is easy and fast requiring use of small equipment and labourers
		<ul style="list-style-type: none"> Larger workspace area is required for installation 	<ul style="list-style-type: none"> Small workspace area required for installation
		<ul style="list-style-type: none"> More difficult to maneuver equipment in constrained areas due to trees and utilities 	<ul style="list-style-type: none"> Easier to maneuver equipment in constrained areas due to trees and utilities
		<ul style="list-style-type: none"> Damaged panel normally replaced not repaired, takes approx. three (3) month process 	<ul style="list-style-type: none"> Damage can be repaired easily and fast (new boards can be delivered and installed same day)
		<ul style="list-style-type: none"> May need to keep a mold/form of panel (Panel Liner) to reproduce it 	<ul style="list-style-type: none"> Easy to perform, panels can be replaced within minutes if required and can be sourced locally
		<ul style="list-style-type: none"> Standard steel post spacing of 5.0m meters (16 feet) 	<ul style="list-style-type: none"> Standard steel post spacing of 3.0 meters (10 feet)
		<ul style="list-style-type: none"> Required removal of trees: approx. 123 out of 175 total 	<ul style="list-style-type: none"> Required removal of trees: approx. 82 to 94 out of 175 total
		<ul style="list-style-type: none"> Require many trees to be removed and pruned since large equipment is required to install the footings and pre-cast noise wall panels 	<ul style="list-style-type: none"> Some trees to be removed but mainly pruned to install the footings and wood noise wall near a tree The impact is normally less than a concrete wall
		<ul style="list-style-type: none"> More ground restoration required due to disturbance caused by large and heavy equipment 	<ul style="list-style-type: none"> Less ground restoration required due to disturbance caused by smaller equipment

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Noise Wall Material Comparison

CATEGORY	SUB-CATEGORY	CONCRETE COMPOSITE NOISE WALLS	CEDAR WOOD NOISE WALLS
Aesthetics	Visual appearance	<ul style="list-style-type: none"> • Finish on a concrete wall can have a wide variety of architectural textures patterns and colours 	<ul style="list-style-type: none"> • Finish on cedar wood walls can be finished in different stains to blend in with a community's natural appearance
		<ul style="list-style-type: none"> • Doesn't blend in with wood lot line fences 	<ul style="list-style-type: none"> • Blends in with wood lot line fences
		<ul style="list-style-type: none"> • More trees require removal due to equipment and workspace needed compared to cedar wood panels 	<ul style="list-style-type: none"> • Less tree removals as part of the installation compared to concrete panels
Cost		<ul style="list-style-type: none"> • Low maintenance costs as composite material lasts for long period of time 	<ul style="list-style-type: none"> • Higher maintenance cost as wood requires re-staining every few years and private side access can be difficult
There is no cost to the resident for replacement and maintenance		<ul style="list-style-type: none"> • Prices vary based on noise wall height and selected design 	<ul style="list-style-type: none"> • Prices vary based on type of wood and fluctuating market rates