

VETERANS MEMORIAL PARKWAY NOISE STUDY

Civic Works Committee
Public Participation Meeting
April 22, 2013





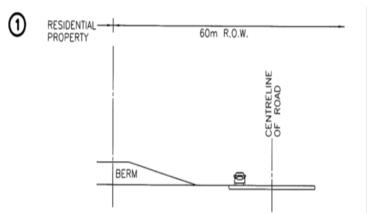
Noise Attenuation Basics

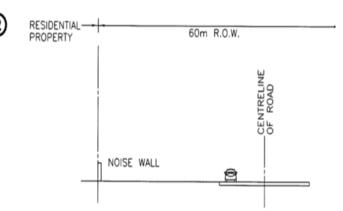
Triggers:

- initial land development, or
- adjacent road widening

Types:

- Berms
- Walls









VMP Context

1990	Land development. Noise attenuation installed for long-term needs.
2005	VMP Widening. New lanes on far side of ROW. "Before" testing conducted.
2007	"After" testing confirms noise levels reduced by 2 dBA
2011	Additional study completed at Council's request. Concern about reading locations.
2012	Detailed noise readings conducted in backyards in cooperation with homeowners.





Looking southerly along the VMP







East side of Simpson Crescent







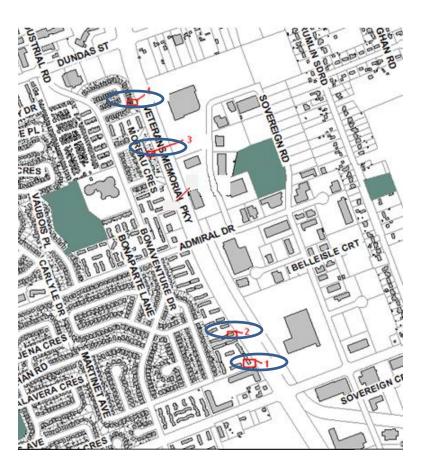
East side of 151 Martinet Avenue







Noise Study



June 2012:

- Three days of readings

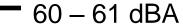
Backyard locations:
248 Simpson Crescent
35 Moreau Crescent
217 Martinet Ave, Unit 27
151 Martinet Ave, Unit 9





Results

The noise attenuation system is designed to mitigate daytime sound levels to **60 dBA** daytime in the rear yard amenity areas.



52 – 54 dBA

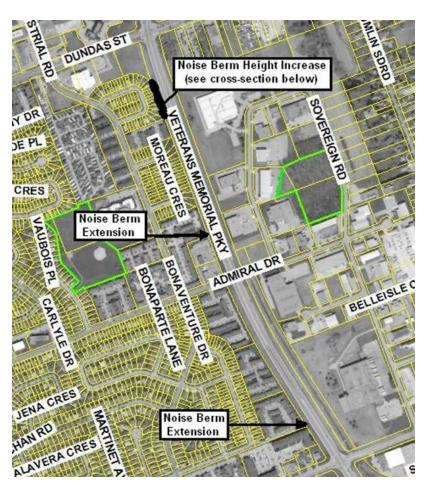
$$56 - 57 \, dBA$$

 $62 - 63 \, dBA$

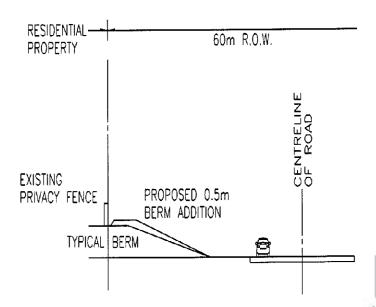




Deficiency Improvements



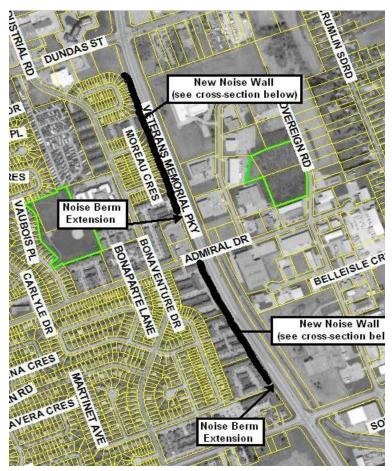
- Extend berm at two locations
- Increase berm height along Simpson Cres
- Est. Cost = \$300,000



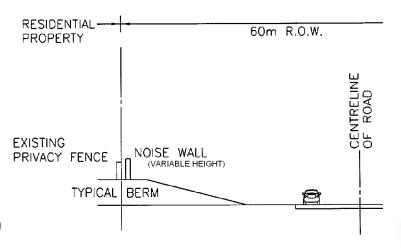




Enhancement Options



Options	Estimated Cost
0.6 m Noise Wall	\$0.68 M
1.8 m Noise Wall	\$1.5 M
2.4 m Noise Wall	\$1.7 M







Recommendation:

Civic Administration BE DIRECTED to introduce a 2014 budget item for the Veterans Memorial Parkway Noise Berm Improvements in the amount of \$300,000.

