

*Excerpted from:  
Noise Barrier Retrofit Needs and Cost Assessment  
Prepared for Town of Oakville by Marshall Macklin Monaghan  
Project FS-62-01 November, 2001*

### **Summary of Recommendations**

A 1.8 m high acoustic barrier will be warranted in 2011 for the residential lots on Victoria Street that have rear lots exposed to Lakeshore Road traffic, from Chalmers Street to the easterly limit of Victoria Street. The total length of the barrier is approximately 240 metres. At \$230 per linear metre, the total cost would be \$55,200.

A series of 1.8 metre high acoustic barriers will be warranted in 2001 for a number of residential lots on the south side of Lakeshore Road between Shell Park on the west end and Mississaga Street on the east. The total length of the series of barriers is approximately 180 metres. At \$230 per linear metre, the total cost would be \$41,400.

A 1.8 metre high acoustic barrier will be warranted in 2001 for the residential lots on Thornlea Drive that have rear lots exposed to Lakeshore Road traffic. The total length of the barrier is approximately 150 metres. At \$230 per linear metre, the total cost would be \$34,500.

A 1.8 metre high acoustic barrier will be warranted in 2001 for the residential lots on Venitia Drive that have rear lots exposed to Lakeshore Road traffic. The total length of the barrier is approximately 260 metres. At \$230 per linear metre, the total cost would be \$59,800.

A 1.8 metre high acoustic barrier will be warranted in 2001 for the multi-unit residential buildings on the south side of Lakeshore Road between St. Jude's Cemetery and Brookfield Road. The total length of the barrier is approximately 70 metres. At \$230 per linear metre, the total cost would be \$16,100.

A series of 1.8 metre high acoustic barriers will be warranted in 2011 for the residential lots on the east side of Nottingham Gate between Monk's Passage and North Service Road. The total length of the barrier is approximately 520 metres. At \$230 per linear metre, the total cost would be \$119,600.

A series of 1.8 metre high acoustic barriers will be warranted in 2006 for the residential lots on the west side of Nottingham Gate between Pilgrim's Way and North Service Road. The total length of the barrier is approximately 220 metres. At \$230 per linear metre, the total cost would be \$50,600.

A 1.8 m high acoustic barrier will be warranted in 2001 for the residential townhouse complex at 2021 Sixth Line. The total length of the barrier is approximately 215 metres. At \$230 per linear metre, the total cost would be \$49,450.

Figures 1 to 6 [not shown] of [the] report identifies all of the recommended locations of the proposed barriers. The total length of barrier warranted in each of 2001, 2006 and 2011 is 875 metres, 220 metres and 760 metres respectively.

The estimated total cost of implementing the barrier retrofit policy is \$201,250 in 2001, \$50,600 in 2006 and \$174,800 in 2011. It should be noted that all estimated costs are in 2001 dollars. Future costs could increase due to inflation.

With the exception of those areas noted above, the future 2011 sound level for all other receptor locations is below 60dBA and therefore will not require retrofit noise mitigation.