All-Way Stop Control – Marblehead Road and Northcrest Road

Date: April 15, 2013
To: Etobicoke York Community Council
From: Director, Transportation Services - Etobicoke York District
Wards: Ward 4 – Etobicoke-Centre
Reference Number: p:\2013\Cluster B\TRA\EtobicokeYork\eycc130065-to

SUMMARY
This staff report is about a matter for which Community Council has delegated authority from City Council to make a final decision.

The purpose of this report is to recommend the installation of an all-way stop control at the intersection of Marblehead Road and Northcrest Road. A staff assessment has determined that the criteria for the installation of an all-way stop control are achieved at the intersection.

RECOMMENDATIONS
Transportation Services recommends that Etobicoke York Community Council approve:

1. The installation of an all-way stop control at the intersection of Marblehead Road and Northcrest Road.

Financial Impact

<table>
<thead>
<tr>
<th>Type of Funding</th>
<th>Source of Funding</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available within current budget</td>
<td>Transportation Services Operating Budget</td>
<td>$ 500.00</td>
</tr>
</tbody>
</table>

ISSUE BACKGROUND

Transportation Services investigated a request from the Ward Councillor, on behalf of area residents, for the installation of an all-way stop control at the intersection of Marblehead Road and Northcrest Road. The request is the result of concerns with respect to safety at this location. A map of the area is Attachment 1.
COMMENTS
Marblehead Road and Northcrest Road are two-lane roads classified in the City’s Road Classification System as “Local” roadways. These streets are located in the residential community south of Dixon Road and east of Kipling Avenue. Both roadways have an urban cross-section which includes curb, gutter and sidewalks on both sides of the street. The legal speed limit on both streets is 50 km/h. Currently stop signs are posted for eastbound and westbound motorists on Northcrest Road.

The justification for the installation of an all-way stop control is subject to a technical warrant adopted by Toronto City Council based on collision history and traffic volume. Based on the findings of our study, the intersection of Marblehead Road and Northcrest Road meet the necessary criteria for all-way stop controls. Our study results are summarized in Appendix A.

Toronto Police Service collision records for a three-year period ending December 31, 2011, indicate a good safety record with one reported collision at the intersection which would be considered preventable with the installation of all-way stop controls.

To improve the management of traffic, it is recommended that an all-way stop control be installed at the intersection of Marblehead Road and Northcrest Road.

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SIGNATURE

Steven T. Kodama, P.Eng.
Director, Transportation Services - Etobicoke York District

ATTACHMENTS

Attachment 1: Map
Appendix A
APPENDIX A

Warrants for All-way “Stop” Sign Control

Study location: Marblehead Road and Northcrest Road

<table>
<thead>
<tr>
<th>Four-Hour Study Period</th>
<th>Total Approach Vehicle Volume</th>
<th>Vehicle/Pedestrian Volume Crossing Major Road</th>
<th>Unit Volume Split Major/Minor Roads</th>
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<tbody>
<tr>
<td>Study Period Average</td>
<td>181</td>
<td>114</td>
<td>37/63</td>
</tr>
<tr>
<td>Warrant Requirements for Study Period Average</td>
<td>≥250</td>
<td>≥100</td>
<td>≥30/70 or ≤70/30</td>
</tr>
</tbody>
</table>

To warrant the installation of an all-way STOP control, the traffic volume requirements for the “Study Period Average” must be completely satisfied in either of the following two combinations:

1. “Total Approach Vehicle Volume” & “Unit Volume Split – Major/Minor Roads” or
2. “Vehicle/Pedestrian Volume Crossing Major Road” & “Unit Volume Split-Major/Minor Roads”