## Staff Report

**All-Way Stop Control Study – Staines Road and Hepatica Street**

<table>
<thead>
<tr>
<th>Date:</th>
<th>September 21, 2012</th>
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<tbody>
<tr>
<td>To:</td>
<td>Scarborough Community Council</td>
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<tr>
<td>From:</td>
<td>Director, Transportation Services, Scarborough District</td>
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<tr>
<td>Wards:</td>
<td>Ward 42- Scarborough Rouge-River</td>
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<tr>
<td>Reference Number:</td>
<td>P:\2012\Cluster B\TRA\Scarborough\sc1284 D11-4193441 Staines Hepatica AWSC not warranted</td>
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### SUMMARY

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

This report responds to a request to investigate the feasibility of installing an All-Way Stop Control at the intersection of Staines Road and Hepatica Street.

This intersection did not meet the required technical warrant for this type of traffic control; therefore, an all-way stop control should not be installed at this intersection at this time.

### RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Not approve the installation of an All-Way Stop Control on Staines Road and Hepatica Street.

2. Not pass or amend the appropriate by-law(s) accordingly.

### Financial Impact

There would be no financial impact associated with this report; however, if an all-way stop control were to be approved, the financial cost of installing the additional signs and associated pavement markings would be approximately $750.00. The funding for these works would be available in the Transportation Services 2012 Operating Budget, within Cost Centre TP0397 and TP0398.
ISSUE BACKGROUND
Further to a request from Councillor Raymond Cho, Transportation Services staff reviewed the feasibility of installing an All-Way Stop Control at the intersection of Staines Road and Hepatica Street. The report shows that this intersection did not meet the required technical warrant for this type of traffic control.

COMMENTS
The following characteristics describe the intersection of Staines Road and Hepatica Street and surrounding area:

- This intersection is located within the Morningside Heights community east of Tapscott Road and south of Steeles Avenue East.
- Staines Road is a two-lane north-south collector road with a regulatory speed limit of 40 kilometres per hour.
- The daily traffic volume on Staines Road is approximately 3,500 vehicles per day.
- Hepatica Street is a two-lane, east-west local road also with a speed limit of 50 kilometres per hour and an eastbound compulsory stop sign at Staines Road.
- Sidewalks are located on both sides of Staines Road.
- A sidewalk is located on the north side of Hepatica Street.
- A park is located on the north side of Staines Road opposite of Hepatica Street.
- The land use in this neighbourhood is single family residential.
- There is a TTC bus route along Staines Road (53F Steeles East).

All-Way Stop Control Warrant Study

Traffic volumes at the subject intersection were recorded on Wednesday, September 14, 2011 during the morning and afternoon peak hours, from 7:00 a.m. to 9:00 a.m. and from 4:00 p.m. to 6:00 p.m. The results were as follows:

<table>
<thead>
<tr>
<th>All-Way Stop Control Warrant</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
<td>Total Approach Vehicle Volume</td>
<td>502</td>
<td>33</td>
<td>94 / 6</td>
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<tr>
<td>Vehicle/Pedestrian Volume Crossing Major Road</td>
<td>≥ 375</td>
<td>≥ 150</td>
<td>≥ 30/70 or ≤ 70/30</td>
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* “Unit Volume Split*”:
  - Major Road Volume – Vehicles only.
  - Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an All-Way Stop Control to be numerically justified, the traffic volume requirements for the “Study Period Average” must be completely satisfied in Categories A and C, or Categories B and C.
As outlined in the above table, the traffic volumes do not meet the requirements to install an all-way stop control at the subject intersection at this time. TTC staff have been consulted and concur with this finding.

A review of the collision records revealed that there have been no reported collisions at this intersection during the previous five-year period ending December 31, 2011.

CONTACT
Marko A. Oinonen, B.A.Sc., P.Eng.
Manager, Traffic Operations, Scarborough District
Tel: 416-396-7148
Fax: 416-396-5641
E-Mail: moinone@toronto.ca

SIGNATURE

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Peter J. Noehammer, P.Eng.
Director, Transportation Services, Scarborough District

ATTACHMENTS

1. Location Plan (All-Way Stop Control Study - Staines Road and Hepatica Street)