Lane Designation Review – Birchmount Road at Danforth Avenue

<table>
<thead>
<tr>
<th>Date:</th>
<th>May 28, 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>To:</td>
<td>Scarborough Community Council</td>
</tr>
<tr>
<td>From:</td>
<td>Director, Transportation Services, Scarborough District</td>
</tr>
<tr>
<td>Wards:</td>
<td>Wards 35 &amp; 36 Scarborough Southwest</td>
</tr>
<tr>
<td>Reference Number:</td>
<td>P:\2012\Cluster B\TRA\Scarborough\sc1264</td>
</tr>
<tr>
<td></td>
<td>D11-4381400 Birchmount Danforth lane designation</td>
</tr>
</tbody>
</table>

**SUMMARY**

The purpose of this report is to secure authority to enact a southbound designated Left-Turn lane and a Shared Through and Right-Turn lane by-law at the intersection of Birchmount Road at Danforth Avenue.

Staff recommends the implementation of One Way Traffic Lane by-laws for southbound left-turning traffic and southbound through and right-turning traffic at this location to clearly define traffic lane usage, improve traffic operations, and enable enforcement by Toronto Police Services.

**RECOMMENDATIONS**

Transportation Services Scarborough District, recommends that:

1. City Council enact the one way traffic lane regulations, as identified in the Appendix 1 of this report.

2. City Council pass or amend the appropriate by-law(s) accordingly.

**FINANCIAL IMPACT**

The financial cost of installing the requisite signage is approximately $500.00. Funding for the signs is available in the Transportation Services 2012 Operating Budget, within Cost Centre TPO397.
**ISSUE BACKGROUND**
Further to a review, Transportation Services staff confirmed the need to provide the appropriate lane designation by-laws for the southbound left-turn lane and the shared through and right-turning traffic lane. The existing lane configuration for the southbound approach consists of one left-turn lane, and one shared through and a right-turn lane. Our review has indicated that clear definition of the traffic lanes is required to mitigate vehicular conflicts.

There is currently no by-law enacted to regulate the southbound lanes usage but advisory signs are in place.

**COMMENTS**
The following characteristics describe the area on the southbound approach on Birchmount Road at Danforth Avenue:

- Birchmount Road is a four lane north-south arterial road with a 60 km/h speed limit and a daily traffic of approximately 18,000 vehicles per day.
- The land uses on Birchmount Road in this area are a mix of residential and commercial/industrial.
- The pavement markings in this area were recently modified as a result of bicycle lane removal.

The designation of the left-turning lane and the shared through and right-turn lane will provide a safer environment for motorists and will enable enforcement of these traffic lane regulations.

**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**

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

FJB: ca

**ATTACHMENTS**
1. Appendix 1 – By-Law Amendment (enact)
2. Location Plan (Lane Designation Review – Birchmount Road at Danforth Avenue)
Appendix 1

“One Way Traffic Lanes”
Regulations to be Enacted

<table>
<thead>
<tr>
<th>Highway</th>
<th>Between</th>
<th>Lanes</th>
<th>Times or Days</th>
<th>Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birchmount Road</td>
<td>Danforth Avenue and a point 120 metres north of Danforth Avenue</td>
<td>Easterly</td>
<td>Anytime</td>
<td>Southbound left-turning</td>
</tr>
<tr>
<td>Birchmount Road</td>
<td>Danforth Avenue and a point 120 metres north of Danforth Avenue</td>
<td>Westerly</td>
<td>Anytime</td>
<td>Southbound shared through and right-turning</td>
</tr>
</tbody>
</table>