U-Turn Prohibition – Oasis Boulevard

Date: December 15, 2014

To: Scarborough Community Council

From: Acting Director, Transportation Services, Scarborough District

Wards: Ward 42 – Scarborough Rouge-River

Reference Number: P:\2015 \Cluster B\TRA\Scarborough\sc1503.docx

SUMMARY

The purpose of this report is to obtain approval for the installation of a U-Turn prohibition and associated signage on Oasis Boulevard between Morningside Avenue and Raponi Circle.

The results of a recently conducted U-Turn study indicate that the prohibition is warranted.

RECOMMENDATIONS

Transportation Services recommends that:

1. City Council approve a north-eastbound U-turn prohibition along Oasis Boulevard from Morningside Avenue to Raponi Circle.

Financial Impact

The financial cost of installing the subject recommended stop control is approximately $550.00. The funding for the U-turn prohibition signs has been requested in the Transportation Services 2015 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND

Further to a public request, Transportation Services staff has reviewed the feasibility of installing a north to eastbound U-Turn prohibition on Oasis Boulevard east of Morningside Avenue to Raponi Circle.
COMMENTS

Key characteristics describing this portion of Oasis Boulevard include:

- The subject intersection is located south of Steeles Avenue East and east of Markham Road and is in the community of Scarborough-Rouge River.
- Morningside Avenue at Oasis Boulevard is a "T-type" intersection that is controlled by traffic control signals.
- Oasis Boulevard east of Morningside Avenue is classified as a collector road with a posted 40 km/h speed limit.
- Sidewalks and light standards are located on both side of Oasis Boulevard and Morningside Avenue.
- East and south of the subject intersection the area is comprised of residential family dwellings.
- North of the intersection the area is open space. However, west of the subject location the land uses are commercial and industrial.

U-Turn Study

Transportation staff conducted a "U-turn" study on Wednesday, September 24, 2014, during both the morning and afternoon peak hours, from 7:00 a.m. to 9:00 a.m. and from 4:30 p.m. to 6:30 p.m.

The results of study were as follows:

<table>
<thead>
<tr>
<th>Mornings Study</th>
<th>&quot;U-Turns&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m. to 8:00 a.m.</td>
<td>35</td>
</tr>
<tr>
<td>8:00 a.m. to 9:00 a.m.</td>
<td>31</td>
</tr>
<tr>
<td>Total</td>
<td>66</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Afternoon Study</th>
<th>&quot;U-Turns&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:30 p.m. to 5:30 p.m.</td>
<td>4</td>
</tr>
<tr>
<td>5:30 p.m. to 6:30 p.m.</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td>8</td>
</tr>
</tbody>
</table>

Based upon the results of our study we off the following observations:

- During our morning study, specifically between 7:30 a.m. and 8:30 a.m., 54 eastbound vehicles made a westbound "U-turn" around the median in order to circumnavigate the traffic control signals at the subject intersection. The remaining vehicles made this movement during periods of lower vehicular demand.
- These eastbound vehicles on Oasis Boulevard were significantly delayed and at times the eastbound queue extended through the intersection.
Several drivers became frustrated and displayed their impatience by honking their horn.
During our afternoon study, specifically from 5:15 p.m. to 6:15 p.m., only 8 vehicles made a "U-turn" around the median.

To mitigate U-turn congestion manoeuvres on this portion of Oasis Boulevard, a U-turn prohibition should be approved.

**Toronto Police Service Collision Records**

Five-year review period for which we have complete data: January 1, 2009 to December 31, 2013

<table>
<thead>
<tr>
<th>Collision Information</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian/Cyclist Related</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>&quot;U-turn&quot; Collision</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

In summary, in order to reduce the potential for U-Turn collisions, staff recommend the installation of this U-turn prohibition. The prohibition and associated signage is expected to improve safety for all road users by minimizing vehicular conflicts.

**CONTACT**
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**SIGNATURE**

____________________________________
Trevor Tenn, P.Eng.
Acting Director, Transportation Services, Scarborough District

**ATTACHMENTS**
1. Location Plan (U-Turn Prohibition – Oasis Boulevard)