Speed Limit Review – McCowan Road north of Trudelle Street

<table>
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<tr>
<th>Date:</th>
<th>October 11, 2012</th>
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<tbody>
<tr>
<td>To:</td>
<td>Scarborough Community Council</td>
</tr>
<tr>
<td>From:</td>
<td>Director, Transportation Services, Scarborough District</td>
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<td>Wards:</td>
<td>Ward 38 – Scarborough Centre</td>
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<td>Reference Number:</td>
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<tr>
<td>Number:</td>
<td>D12-4724011  McCowan Road  speed limit reduction</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 staff report concerns the feasibility of installing a speed zone on McCowan Road between Trudelle Street and the cul-de-sac. A 40 km/h speed limit is technically justified on McCowan Road.

**RECOMMENDATIONS**

Transportation Services recommends that Scarborough Community Council:

1. Enact a 40 kilometre per hour speed limit along McCowan Road, as identified in the Appendix 1 of this report.

2. Pass or amend the appropriate by-law(s) accordingly.

**Financial Impact**

The financial cost of installing the speed regulation signage is approximately $1,500.00. Funding for the signs is available in the Transportation Services 2012 Operating Budget, within Cost Centre TP0397.
ISSUE BACKGROUND
As a result of residents’ requests through Councillor Glenn De Baeremaeker’s office, Transportation Services staff has reviewed this street to determine whether a reduction of the current posted speed limit from 50 kilometres per hour to 40 kilometres per hour is justified.

The results of our study indicate that the technical warrants for the installation of a 40 kilometre per hour speed limit are met. This review included an assessment of the road and traffic environment along with an analysis of collision records for the last three years.

COMMENTS
Key characteristics describing the portion of McCowan Road between Trudelle Street and the cul-de-sac include:

- McCowan Road is north of Eglinton Avenue, east of Danforth Road and is located in the Eglinton East Community.
- McCowan Road between Trudelle Street and the cul-de-sac is classified as a two-lane collector road with an approximate width of 9.5 metres and a posted 50 km/h speed limit.
- A junior public school is located at 431 McCowan Road (at the cul-de-sac).
- Land uses consist of residential dwellings and townhouse complexes.
- Sidewalks are located on both sides of McCowan Road.
- The daily traffic vehicle volume on McCowan Road north of Trudelle Street is approximately 1,800 vehicles per day.
- The results of the most recent 24-hour vehicle volume and speed studies conducted on May 16, 2012, revealed that the 85th percentile speed on McCowan Road between Trudelle Street and Blue Lagoon Court was 48 km/h for northbound vehicles and 45 km/h for southbound vehicles respectively.

40 Km/h Speed Limit Warrant
In order for a 40 km/h speed limit to be warranted, various traffic conditions must be assessed, such as road width, pedestrian classification (elementary or junior high school students, seniors), and road and traffic environment (collision patterns, safe stopping distance, grades and road curvatures).
A 40 km/h speed limit may be implemented on streets where either the Pedestrian Environment Category or the Road and Traffic Environment Category of the warrant are met. In the case of McCowan Road between Trudelle Street and the end of the cul-de-sac, the Pedestrian Environment Category portion of the 40 km/h warrant was met. The Pedestrian Environment portion of the 40 km/h speed limit warrant is met since the pavement width is less than 10.5 metres and the junior public school abuts McCowan Road.

Along this portion of McCowan Road, there have been no recorded vehicular collisions involving speeding within the last three years.

**CONTACT**
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**SIGNATURE**

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

**ATTACHMENTS**

1. Appendix 1 – By-law Amendment (Enact)
2. Location Plan (Speed Limit Review - McCowan Road north of Trudelle Street)
Appendix 1

“Maximum Rate of Speed – 40 Kilometres Per Hour”
Regulation to be Enacted

<table>
<thead>
<tr>
<th>(In Column 1)</th>
<th>(In Column 2)</th>
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<tbody>
<tr>
<td>Highway</td>
<td>From</td>
</tr>
<tr>
<td>McCowan Road</td>
<td>Trudelle Street</td>
</tr>
<tr>
<td></td>
<td>A point 400 metres north of Trudelle Street</td>
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