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 40 km/h speed zone on Gage Avenue between Brimley Road and Seminole Avenue. Based upon the results of a 40 km/h Speed Limit Warrant Study, a reduction in speed is technically justified on Gage Avenue.

RECOMMENDATIONS

Transportation Services recommends that Scarborough Community Council:

1. Enact the 40 km/h speed limit regulation, 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 has been requested in the Transportation Services 2013 Operating Budget, within Cost Centre TP0397.

ISSUE BACKGROUND
As a result of a request from Councillor Glenn De Baeremaeker, Transportation Services staff reviewed Gage Avenue between Brimley Road and Seminole Avenue to determine the feasibility of reducing the current speed limit from 50 km/h to 40 km/h.
The result of our study indicates that the technical warrant for the installation of a 40 km/h speed limit on Gage Avenue is met.

This warrant review included an assessment of the Pedestrian Environment, Road and Traffic Environment along with an analysis of the collision records for the previous three year period.

**COMMENTS**

Key characteristics describing Gage Avenue include:

- Gage Avenue is located east of Brimley Road, west of Danforth Road and south of Lawrence Avenue East.
- Gage Avenue is a two-lane local road with a width of approximately 8.5 metres.
- Gage Avenue is currently regulated by a default 50 km/h speed limit (unposted).
- The land use on Gage Avenue consists of single-family residential dwellings.
- There are no sidewalks located on both sides of Gage Avenue between Brimley Road and Miramar Crescent.
- Sidewalks are located on both sides of Gage Avenue between Miramar Crescent and Seminole Avenue.

**40 Km/h Speed Limit Warrant**

In order for a 40 km/h speed limit to be warranted, various traffic conditions must be assessed. The two main 40 km/h warrant categories are the Pedestrian Environment and the Road and Traffic Environment.

The "Pedestrian Environment" category examines conditions that would pertain to pedestrians using the surrounding environment, such as the examination of the current road width and the presence of sidewalks abutting elementary or junior high schools, and parkland used to gain access to schools.

The second category, "Road and Traffic Environment" examines conditions such as the grade of the road, significant curves and sufficient safe stopping distances, and collision history.

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 Gage Avenue 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 there are no sidewalks on Gage Avenue between Brimley Road and Miramar Crescent.
In the previous three years (beginning January 1, 2009 to December 31, 2011) there have been no reported collisions where speed may have been a contributing factor on Gage Avenue.

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

**SIGNATURE**

____________________________________
Peter J. Noechammer, P.Eng.
Director, Transportation Services, Scarborough District

**ATTACHMENTS**

1. Appendix 1 – By-law Amendment, Enact
2. Location Plan (Speed Limit – Gage Avenue)
Appendix 1

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

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<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
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<tr>
<td>Gage Avenue</td>
<td>Brimley Road</td>
<td>Seminole Avenue</td>
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