



## STAFF REPORT ACTION REQUIRED

### Proposed Speed Limit Reduction – Mooregate Avenue

<b>Date:</b>	February 18, 2010.
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Acting Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 37 – Scarborough Centre
<b>Reference Number:</b>	P:\2010\Cluster B\TRA\Scarborough\sc1023 D09-3415716 - Mooregate speed reduction

### SUMMARY

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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 Mooregate Avenue from Stratton Avenue to the east limit of Mooregate Avenue located approximately 45 metres east of Treverton Drive. Along this section of Mooregate Avenue, a 40 kilometre per hour (km/h) speed limit is not technically justified.

### RECOMMENDATIONS

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**Transportation Services, Scarborough District, recommends that Scarborough Community Council:**

1. Not approve a 40 km/h speed zone along Mooregate Avenue.
2. Not pass or amend the appropriate by-law(s) accordingly.

## **Financial Impact**

There are no financial implications at this time. However, should Scarborough Community Council approve a 40 Km/h speed limit, the cost would be approximately \$2,000.00 for the necessary signs.

## **ISSUE BACKGROUND**

As a result of concerns from local residents, the local Councillor has requested that Transportation Services staff review this location to determine whether a reduction of the speed limit from 50 km/h to 40 km/h is justified.

The results of our study indicate that the technical warrants for the installation of a 40 km/h speed limit are not met. This review included an assessment of Collision Records for a five year period during which no speed related collisions were reported.

## **COMMENTS**

Key characteristics describing Mooregate Avenue include:

- Mooregate Avenue is located south of Lawrence Avenue and east of Kennedy Road.
- Mooregate Avenue intersects Stratton Avenue on the north side forming a “T” type intersection. Mooregate Avenue extends north for approximately 240 metres turns east and continues for 215 metres where it terminates at a railway corridor.
- It is a two-lane local roadway with an unposted 50 km/h speed limit and a width of approximately 8.5 metres.
- Land use on Mooregate Avenue consists of single family dwellings.
- Mooregate Avenue terminates in a dead end approximately 45 metres east of Treverton Drive.
- The daily traffic volume on this road is approximately 482 vehicles per day (vpd).
- Sidewalks are located on at least one side of Mooregate Avenue from Stratton Avenue to approximately 45 metres east of Treverton Drive.
- The results of 24 hour vehicle speed and volume studies confirmed that the 85<sup>th</sup> percentile speed of traffic on Mooregate Avenue was 43 km/h indicating that a 50 km/h speed limit is appropriate.

## **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 roadway width, pedestrian conditions (elementary or junior high school, absence of sidewalks) and road and traffic environment (collision patterns, safe stopping distance).

Our review has indicated that no elementary school or junior high school exists on Mooregate Avenue; sidewalks are present on at least one side of the roadway. No collision history exists to support the reduction of the speed limit.

As such our investigation has indicated that the warrant for the installation of a 40 km/h speed zone was not satisfied as none of the above conditions are completely met. The introduction of a 40 km/h speed limit is not justified on Mooregate Avenue because neither the Pedestrian Environment nor the Road and Traffic categories of the 40 km/h warrant was met.

## **CONTACT**

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## **SIGNATURE**

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## **ATTACHMENTS**

1. Location Plan ( Mooregate Avenue – Request for 40 Km/h Speed Limit)