



## STAFF REPORT ACTION REQUIRED

### Proposed Speed Limit Reduction – Droxford Avenue

<b>Date:</b>	September 17, 2009.
<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:\2009\Cluster B\TRA\Scarborough\sc09062 D09-3281609 Droxford Avenue, Proposed 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 Droxford Avenue from Elmbank Road to Sherwood Avenue. On Droxford 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 Droxford Avenue.
2. Not amend the appropriate by-law(s) accordingly.

#### Financial Impact

There are no financial implications at this time.

#### ISSUE BACKGROUND

As a result of requests from local residents, Councillor Michael Thompson 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 the last three year period during which no speed related collisions were reported.

## **COMMENTS**

Key characteristics describing Droxford Avenue include:

- Droxford Avenue is located east of Pharmacy Avenue, intending north/south from Elmbank Road to Sherwood Avenue.
- 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 Droxford Avenue consists of single family dwellings.
- The daily traffic volume on this road is approximately 534 vehicles per day (vpd).
- Sidewalks are located on the both sides of Droxford Avenue.
- The results of 24 hour vehicle speed and volume studies confirmed that the 85<sup>th</sup> percentile speed of traffic on Droxford Avenue was an average of 48 km/h indicating that a 50 km/h speed limit is considered appropriate. The 85<sup>th</sup> percentile speed is the speed at or below which the majority of motorists are travelling.

### **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 this section of roadway. No collision history exists to support the reduction of the speed limit within the last three years of completed collision data, (2006, 2007 and 2008). Sidewalks are located on both sides of Droxford Avenue.

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.

## **CONTACT**

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## **SIGNATURE**

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## **ATTACHMENTS**

1. Location Plan (Speed Limit Reduction Study, from 50 km/h to 40 km/h - Droxford Avenue)