



STAFF REPORT ACTION REQUIRED

Proposed Speed Limit Reduction – Cornwallis Drive

Date:	March 5, 2009
To:	Scarborough Community Council
From:	Acting Director, Transportation Services, Scarborough District
Wards:	Ward 37 – Scarborough Centre
Reference Number:	P:\2008\Cluster B\TRA\Scarborough\sc09018 D08-2964489 Cornwallis Drive speed limit

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 Cornwallis Drive from Vauxhall Drive to Kennedy Road. Along this section of Cornwallis Drive, a 40 kilometre per hour (km/h) speed limit is not technically justified.

RECOMMENDATIONS

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

1. Not approve a 40 km/h speed zone along Cornwallis Drive.
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 Cornwallis Drive include:

- Cornwallis Drive is located one block north of Lawrence Avenue East, extending westerly from Kennedy Road to Vauxhall Drive.
- It is a two-lane collector roadway with an unposted 50 km/h speed limit and a width of approximately 8.5 metres.
- Land use on Cornwallis Drive consists of single family dwellings.
- The daily traffic volume on this road is approximately 1,336 vehicles per day (vpd).
- Sidewalks are located on the both sides of Cornwallis Drive.
- The results of 24 hour vehicle speed and volume studies confirmed that the 85th percentile speed of traffic on Cornwallis Drive was 49 km/h indicating that a 50 km/h speed limit is appropriate. The 85th percentile speed is the speed at or below which the majority of motorists are travelling.
- An All-Way stop control is in place on Cornwallis Drive at Canlish Road and a Pedestrian Crossover (PXO) is in place on Cornwallis Drive at Blaisdale Road.

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. However, a public school is located approximately 85 metres south of Cornwallis Drive on Blaisdale Road. This school does not front onto Cornwallis Drive and there is no walkway connecting the school to the subject 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 Cornwallis Drive.

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 were completely met.

CONTACT

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

SIGNATURE

Steven T. Kodama, P.Eng.
Acting Director, Transportation Services, Scarborough District

FJB:ca

ATTACHMENTS

1. Location Plan (Proposed Speed Reduction, from 50 km/h to 40 km/h – Cornwallis Drive)