

Traffic Calming - Foxridge Drive

Date: December 13, 2018
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 20 – Scarborough Southwest

SUMMARY

This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

Transportation staff have reviewed the need for traffic calming on Foxridge Drive. The request is as a result of the Councillor and residents' concerns regarding the speed of vehicles on Foxridge Drive. The assessment indicates that traffic calming in the form of speed humps is warranted on this street.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council direct the Acting Director of Traffic Management, Transportation Services to request the City Clerk to poll eligible householders on Foxridge Drive, between Birchmount Road and Kennedy Road to determine whether residents support the installation of traffic calming, in accordance with the City of Toronto Traffic Calming Policy.
2. Subject to favourable results of the poll, Scarborough Community Council direct the City Solicitor to prepare a by-law to alter the roadway of Foxridge Drive, between Birchmount Road and Kennedy Road, for traffic calming purposes, generally as shown on the location Plan, attached to the report entitled "Traffic Calming - Foxridge Road".
3. Scarborough Community Council reduce the speed limit from 40 km/h to 30 km/h on Foxridge Drive, between Birchmount Road and Kennedy Road.

FINANCIAL IMPACT

The estimated cost of installing the speed humps on Foxridge Drive is \$28,000.00. The installation of speed humps on the subject roadways would be subject to availability in Transportation Services 2019 Capital Funding estimates and competing priorities.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Existing Conditions

Foxridge Drive is a two-way collector road roadway that stretch between Birchmount Road and Kennedy Road. The posted speed limit is 40 km/h. There are municipal sidewalks along both sides of Foxridge Drive. There is no TTC service on Foxridge Drive. All-way stops signs are located at Foxridge Drive and Martorino Drive. Traffic controls signals are located at Foxridge Drive and Birchmount Road.

Analysis

Traffic Calming Warrants

To address speeding concerns on Foxridge Drive, 24 hour vehicle volume and speed studies were conducted during a mid-week period in April 2018. The study found the vehicular operating speed to be between 53 km/h and 55 km/h and the average daily traffic volume of approximately 3,635 vehicles on Foxridge Drive. Details of the Traffic Calming Warrant Criteria analysis are included in Appendix A within Table 1.

The results of the speed studies are summarized in the following table:

Roadway	Speed Limit	Direction	85th percentile	Vehicle Volume
Foxridge Drive, between Maywood Park and Martorino Drive	40	Eastbound	50 km/h	1,735
Foxridge Drive, between Maywood Park and Martorino Drive	40	Westbound	51 km/h	1,692
Foxridge Drive, between Martorino Drive and Garthwood Drive	40	Eastbound	40 km/h	1,704
Foxridge Drive, between Martorino Drive and Garthwood Drive	40	Westbound	39 km/h	1,682
Foxridge Drive, between Garthwood Drive and Kennedy Road	40	Eastbound	55 km/h	1,846
Foxridge Drive, between Garthwood Drive and Kennedy Road	40	Westbound	49 km/h	1,834
Foxridge Drive, west of Kennedy Road	40	Eastbound	55 km/h	1,846
Foxridge Drive, west of Kennedy Road	40	Westbound	53 km/h	1,863

Staff applied this data to the City of Toronto Traffic Calming Policy. According to the policy, the principal criterion for installing physical traffic calming are vehicle speed and volume. Other environmental factors are considered, such as road width, pedestrian facilities and grade. The proposal was evaluated under these technical criteria, with the results summarized in Appendix A. Applying the study data to the Traffic Calming Warrant shows that Foxridge Drive, between Birchmount Road and Kennedy Road does satisfy the criteria for physical traffic calming in the form of speed humps. Since such humps are designed for a posted speed limit of 30 km/h, staff are also recommending that the speed limit along Foxridge Drive be reduced from 40 km/h to 30 km/h.

Collision Analysis

A review of Toronto Police Services collision records for a three-year period ending December 31, 2017, did not find any reported collisions attributed to speeding on Foxridge Drive.

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ATTACHMENTS

1. Appendix A - Table 1: Traffic Calming Warrant Criteria - Foxridge Drive
2. Location Plan (Traffic Calming - Foxridge Drive)

Table 1: Traffic Calming Summary on Foxridge Drive

All three of the following warrants must be achieved

Warrant	Criterion	Requirement		Warrant Satisfied
Warrant 1 Petition	1.1 Petition	Petition signed by at least 25% of the households on the street and/or 10% multiple family rental dwellings		Yes
Warrant 2 Safety Criteria [all three criteria must be fulfilled to satisfy warrant]	2.1 Sidewalks	Are there continuous sidewalks on at least one side of street [both sides for collector of higher classification] OR On streets where no sidewalks exist, installation of sidewalks on at least one side must first be considered		Yes
	2.2 Road Grade	Road grade does not exceed 8% [Traffic calming measures must not be installed at or near these locations where grade exceeds 8%]		Yes
	2.3 Emergency Response	Emergency Services have noted that the impact of traffic calming, specifically speed humps, will not significantly affect service delivery		No
Warrant 3 Technical Requirement [all four criteria must be fulfilled to satisfy warrant]	3.1 Minimum Speed	The 85th percentile speed must be a minimum of 10 km/h over the warranted speed limit and the volume warrant [3.2] must be fulfilled*		Yes (55 km/h)
	3.2 Traffic Volumes	Local Road Traffic volume must be between 1,000 and 8,000 vehicles per day	Collector Road Traffic volumes must be between 2,500 and 8,000 vehicles per day	Yes (3,635 vpd)
	3.3 Minimum Block Length	On streets where mid-block traffic calming measures are proposed, the minimum block length must exceed 120 metres		Yes
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Service vehicles will not be significant [as determined in consultation with TTC staff]		N/A
Warranted [yes/no]				Yes

