

**REPORT FOR ACTION****Traffic Calming - Brookmill Boulevard, between
Bridletowne Circle and La Peer Boulevard**

Date: April 30, 2019
To: Scarborough Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 22 – Scarborough-Agincourt

SUMMARY

This staff report is about a matter that Community Council has delegated authority to make a final decision.

Transportation staff have reviewed the need for traffic calming on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard. The request is as a result of the Councillor and residents' concerns regarding the speed of vehicles on Brookmill Boulevard. Our assessment indicates the criteria as set out in the Traffic Calming Policy has not been satisfied. Therefore traffic calming should not be installed on Brookmill Boulevard in the vicinity of Brookmill Boulevard Junior Public School.

RECOMMENDATIONS

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

1. Scarborough Community Council not authorize the installation of traffic calming measures on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard.

FINANCIAL IMPACT

There is no financial impact resulting from the adoption of the recommendations in this report.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Existing Conditions

Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard is a two-way collector road roadway. Brookmill Boulevard Junior Public School is located on the south side of Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard and the posted speed limit is 40 km/h. There are municipal sidewalks along both sides of Brookmill Boulevard. Pedestrian crossing protection devices are located approximately 60 metres west of La Peer Boulevard.

Analysis

Traffic Calming Warrants

To address speeding concerns on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard, 24 hour vehicle volume and speed studies were conducted during a mid-week period in March 2019. The study found the vehicular operating speeds to be between 47 km/h and 48 km/h and the average daily traffic volume of approximately 2,940 vehicles on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard. Details of the Traffic Calming Warrant Criteria analysis are included in Attachment: 1 under Traffic Calming Summary on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard.

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

Roadway	Speed Limit	Direction	85th percentile	Vehicle Volume	Warranted
Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard	40	Eastbound	48 km/h	1,394	NO
Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard	40	Westbound	47 km/h	1,546	NO

The warrants were not met based on the following criteria:

Speed: The operating speeds of 48 and 47 km/h, at Brookmill Boulevard between Bridletowne Circle and La Peer Boulevard are less than the required minimum 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria.

Therefore, the installation of traffic calming on Brookmill Boulevard between Bridletowne Circle and La Peer Boulevard is not warranted.

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 Attachment 1.

Collision Analysis

A review of Toronto Police Services collision records for a three-year period ending December 31, 2018, did not find any reported collisions attributed to speeding on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard.

Alternate Recommendations

If, despite the findings above, the Scarborough Community Council determines that traffic calming would be beneficial, it may approve the following as to form:

1. Scarborough Community Council direct the Acting Director of Transportation Services, Traffic Management to request the City Clerk to poll eligible householders on Brookmill Boulevard between Bridletowne Circle and La Peer Boulevard. The poll is 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 authorize the installation of traffic calming/one speed hump on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard.
3. Subject to favourable results of the poll, Scarborough Community Council direct the City Solicitor to prepare a by-law to alter the roadways of Brookmill Boulevard between Bridletowne Circle and La Peer Boulevard, for traffic calming purposes, generally as shown on the location Plan, attached to the report entitled "Traffic Calming and U-Turn Prohibition Review - Brookmill Boulevard".

The estimated cost of installing the speed humps on Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard is approximately \$4,000.00. The installation of a speed hump on the subject roadway would be subject to availability in Transportation Services 2019 Capital Funding estimates and competing priorities.

CONTACT

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ATTACHMENTS

1. Attachment 1 Table 1: Traffic Calming Warrant Criteria - Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard
2. Attachment 2 Location Plan: Traffic Calming Review- Brookmill Boulevard,

Attachment 1 - Table 1: Traffic Calming Warrant Criteria - Brookmill Boulevard, between Bridletowne Circle and La Peer Boulevard

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*		NO (48 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 (2,940 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]					No

Attachment 2 Location Plan: Traffic Calming Review- Brookmill Boulevard

