

## **Traffic Calming - Prennan Avenue, between Bloor Street West and Burnhamthorpe Road**

**Date:** November 22, 2016  
**To:** Etobicoke York Community Council  
**From:** Director, Transportation Services, Etobicoke York District  
**Wards:** Ward 5 – Etobicoke-Lakeshore

### **SUMMARY**

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

This report outlines the results of our investigation into installing speed humps on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road. The results indicate that the criteria to justify installing speed humps are not satisfied.

### **RECOMMENDATIONS**

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The Director, Transportation Services, Etobicoke York District recommends that:

1. Etobicoke York Community Council NOT approved installing traffic calming on Prennan Avenue.

### **FINANCIAL IMPACT**

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Adopting the above-noted recommendation does not result in any financial impact; however, if Community Council decides to approve installing traffic calming devices on Prennan Avenue, the following financial impact will result:

1. The estimated costs for installing eight speed humps on Prennan Avenue will be \$24,000.00. Funding for these speed humps is available in the Transportation Services 2017 Capital Budget, subject to competing priorities and funding availability.

### **DECISION HISTORY**

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This report is a new request being presented to Etobicoke York Community Council.

## COMMENTS

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Transportation Services received a petition from the Ward Councillor, on behalf of area residents, to investigate the feasibility of physical traffic calming measures (speed humps) on Prennan Avenue, to address concerns with speeding vehicles. A map of the area is Attachment 1.

Prennan Avenue is a two-lane road classified in the City's Road Classification System as a "Local" road. This street operates two-way between Bloor Street West and Burnhamthorpe Road. The roadway has an urban cross-section (curb and gutter) with no sidewalks on either side of the street. The legal speed limit on Prennan Avenue is 40 km/h.

Study data was applied to the City of Toronto Traffic Calming Warrant, which revealed that traffic calming is not warranted on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road. The results of the speed studies are summarized in the following table:

Study Location	Speed Ranges – km/h					85th Percentile	24 Hr Total
	1-40	41-50	51-60	61-65	>65		
Prennan Avenue, south of Burnhamthorpe Rd	246	180	73	5	5	50 km/h	509

Study Location	Speed Ranges – km/h					85th Percentile	24 Hr Total
	1-40	41-50	51-60	61-65	>65		
Prennan Avenue, south of Goswell Rd	219	192	43	8	2	49 km/h	464

Study Location	Speed Ranges – km/h					85th Percentile	24 Hr Total
	1-40	41-50	51-60	61-65	>65		
Prennan Avenue, south of Tyre Ave	343	286	58	4	4	48 km/h	695

The 85th percentile speed is the vehicle operating speed at or below which 85 percent of all traffic is moving. Studies show that collision rates are lowest at or around the 85th percentile speed.

We assessed the subject location according to the City of Toronto's Traffic Calming Policy. Vehicle speeds and traffic volumes are the prime criteria for installing traffic calming devices. Other environmental factors are also examined, such as road width, pedestrian facilities and grade. The proposal was evaluated under each criteria (Warrants 1, 2 and 3), with the results summarized in Appendix A.

Based on data collected and evaluated against the warrant for the installation of traffic calming measures, the installation of speed humps is not recommended. Prennan Avenue does not satisfy the technical requirements, specifically in Warrant 3.2 – Minimum and Maximum Traffic Volume.

Furthermore, it was noted that there have been no reported collisions in the preceding three year period ending December 31, 2015, where vehicle speed was identified as a contributing factor.

Should Etobicoke York Community Council decide to proceed with installing speed humps on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road, we recommend that:

1. The City Clerk (Polling Registry Services) survey eligible householders in English or any other language specified by Community Council, on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road, to determine if property owners/occupants support the installation, according to the City of Toronto Traffic Calming Policy.

2. Subject to favourable results of the poll:

The City Solicitor prepare a by-law to alter sections of the roadway on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road for traffic calming purposes, generally as shown on Drawing EY16-157.DGN, dated November 2016 and circulate to residents during the polling process.

- b. Transportation Services take the necessary actions to reduce the speed limit from 40 km/h to 30 km/h on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road, when the speed humps are installed.

The current City of Toronto Traffic Calming Policy requires that the City Clerk (Polling Registry Services) formally survey property owners/occupants who are directly affected by installing speed humps on Prennan Avenue. The policy stipulates that a minimum response rate of 50% plus one of affected households/properties respond, and that 60 % of valid responses support the proposal in order to implement the plan.

Subject to approval by Etobicoke York Community Council, according to the recommendations indicated above, the City Clerk will survey property owners/occupants and report the results to Etobicoke York Community Council. If the survey supports installing speed humps on Prennan Avenue, between Bloor Street West and Burnhamthorpe Road, Transportation Services staff will schedule their installation based on relative need and competing priorities.

Installing speed humps will result in slower operating speeds for all vehicles, including emergency service vehicles, and could result in increased response times in the event of an emergency.

Regardless, given the low incidence of speeding and traffic volumes on Prennan Avenue, the installation of speed humps or other traffic calming measures are not technically warranted at this time and, therefore, not recommended.

## **CONTACT**

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## **SIGNATURE**

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Steven Kodama, P.Eng.  
Director, Transportation Services, Etobicoke York District

## **ATTACHMENTS**

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1. Appendix A - Traffic Calming Warrant Criteria - Prennan Avenue
2. Area Map (Prennan Avenue)

Appendix A - Traffic Calming Warrant Criteria – Prennan Avenue

Warrant	Criterion	Requirement	Met	Not Met
<b>Warrant 1</b> Petition	1.1 Petition	Petition signed by at least 25% of the households on the street	Met – Petition from Councillor	
Impacts to adjacent streets		If significant impacts are expected on adjacent streets these streets should be included in the proposal	Met – minimal Traffic spill-over	
Warrant 2 Safety Criteria  (all three criteria must be fulfilled to satisfy warrant)	2.1 Sidewalks	Continuous sidewalks on at least one side of street (both sides for collector or higher classification) <b>OR</b> On streets where no sidewalks exist, installation of sidewalks on at least one side must first be considered		Not Met – No continuous sidewalk on either side of Prennan Ave
	2.2 Road Grade	Traffic calming measures must not be installed at or near locations where road grade exceeds 8%	Met – Road grade is less than 8%	
	2.3 Emergency Response	Impacts on Emergency Services will not be significant (to be determined in consultation with Fire, Ambulance and Police)	Met – General objections from Toronto Fire, Ambulance and Police	
Warrant 3 Technical Requirements	3.1 Minimum Speed	The 85 <sup>th</sup> percentile speed must be a minimum of 10km/h over the warranted speed limit and the volume warrant of 3.2 must be fulfilled (3.2 not required if 85 <sup>th</sup> percentile > 15km/h over speed limit)	Met - 50 km/h 10 km/h over the speed limit	
	3.2 Traffic Volumes	<i>Local Roads</i> Traffic volume must be between 1,000 and 8,000 vehicles per day	<i>Collector Roads</i> Traffic volumes must be between 2,500 and 8,000 vehicles per day	Not Met - Local Road 695 Veh. Per day
	3.3 Minimum Block Length	On streets where mid-block traffic calming measures are proposed the minimum block length must exceed 120 metres	Met -	
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Service vehicles will not be significant (as determined in consultation with TTC staff)	Met – No TTC Service	
Notes: 1) The review should be conducted from one intersecting collector street to another 2) Road classification as determined by the City’s Road Classification System 3) Warranted speed limit is speed limit specified in the City of Toronto 40 km/h Speed Limit Warrant 4) Block length as measured from the centre to centre of controlled intersections (from either stop signs in the direction of travel or traffic control signals)				



# Area Map: Prennan Avenue



**NOTE:**

1. INFORMATION ON THIS PLAN IS BASED ON OFFICE RECORDS AND IS SUBJECT TO FIELD VERIFICATION.
2. ALL DIMENSIONS ARE APPROXIMATE.
3. EVERY ATTEMPT WILL BE MADE TO UTILIZE EXISTING POLES FOR SPEED HUMP SIGNS, HOWEVER IT MAY BE NECESSARY TO INSTALL NEW POLES FOR THESE SIGNS.
4. SPEED HUMPS MAY NOT BE CONSTRUCTED EXACTLY IN THE LOCATIONS SHOWN DUE TO FIELD CONDITIONS.



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B ·



Transportation Services

Etobicoke York District

SCALE: N. T. S.

DATE: NOV. 2016

DRAFTING: A. A.

**PRENNAN AVENUE  
PROPOSED TRAFFIC CALMING**

FILE NUMBER:  
EY16 - 157.DGN

ATTACHMENT 1	WARD 5
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