

Traffic Calming (Speed Humps) - Highbourne Road

Date: February 21, 2019
To: Toronto and East York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 12, Toronto-St. Paul's

SUMMARY

This staff report is about a matter that Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City Policy or by-laws.

Transportation Services staff have reviewed the need for traffic calming, specifically speed humps on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, to address residents' concerns regarding vehicle speeds. 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 the subject section of Highbourne Road.

RECOMMENDATIONS

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

1. Toronto and East York Community Council not authorize the installation of traffic calming (speed humps) on Highbourne Road, between Tranmer Avenue and Chaplin Crescent.

FINANCIAL IMPACT

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

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Existing Conditions

Highbourne Road, between Tranmer Avenue and Chaplin Crescent, is a local road that operates with two-way traffic. It has a posted speed limit of 30 km/h and an average daily two-way traffic volume of approximately 629 vehicles. The pavement width on Highbourne Road is approximately 8.5 metres, and there are sidewalks provided on both sides of the road. Heavy vehicles are prohibited at all times. There is no TTC service provided on Highbourne Road.

Analysis

Transportation Services conducted three days of mid-block speed and volume studies on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, in November 2018.

The study findings were assessed against the City of Toronto's Traffic Calming Policy and it was found that Highbourne Road, between Tranmer Avenue and Chaplin Crescent, does not satisfy the installation criteria for traffic calming devices. It should be noted that the study is based on the warranted speed limit of 40 km/h.

The warrants were not met based on the following criteria:

- **Minimum Speed:** The operating speed (also known as the 85th percentile speed, and the speed at which 85 percent of vehicles travel at, or below) of 48 km/h is less than the required minimum of 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria.
- **Minimum Volume:** The average daily traffic volume of 629 vehicles is less than the required minimum of 1,000 vehicles per day needed to satisfy the traffic calming installation criteria.

Therefore, the installation of traffic calming on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, is not warranted.

A review of Toronto Police Services collision records for a three-year period ending December 31, 2018 did not disclose any reported collisions on the subject sections of Highbourne Road.

Appendix A entitled "Traffic Calming Warrant Criteria (Highbourne Road, between Tranmer Avenue and Chaplin Crescent)" outlines the results of our assessment for Highbourne Road, between Tranmer Avenue and Chaplin Crescent.

Alternate Recommendations

If, despite the findings above, Toronto and East York Community Council determines that installing speed humps on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, would be beneficial, it may approve the following:

"That the Toronto and East York Community Council direct:

1. The Acting Director of Traffic Management, Transportation Services, request the City Clerk to poll eligible householders on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, 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, the City Solicitor prepare a by-law to alter sections of the roadway on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, for traffic calming purposes, generally as shown on the copy of Drawing No. 421G-3276, dated February 2019, attached to the report entitled 'Traffic Calming (Speed Humps) - Highbourne Road' from the Acting Director, Traffic Management, Transportation Services."

The estimated cost for installing 2 speed humps on Highbourne Road is \$8,000. The installation of speed humps on Highbourne Road would be subject to availability in Transportation Services 2019 Capital Funding and competing priorities.

Conduct Poll

The City of Toronto's Traffic Calming Policy stipulates the option that residents who would be directly affected by installing speed humps on Highbourne Road, between Tranmer Avenue and Chaplin Crescent, be formally polled. A minimum response of 50 percent plus one ballot is required (25 percent in Community Safety Zone), of which at least 60 percent of the respondents must support installing speed humps in order to proceed with the installation. Should Toronto and East York Community Council approve the recommendations outlined above, Transportation Services would request a poll of eligible residents on Highbourne Road, between Tranmer Avenue and Chaplin Crescent. If the poll supports speed humps, Transportation Services would schedule installation based on relative need, competing priorities and funding availability.

Relative Priority and Other Impacts

Relative need and priority of speed hump installation is based on a technical assessment of traffic volume, vehicle speed percentages, speed-related collisions, and the presence of schools, parks, seniors' residences or bicycle routes. Highbourne Road, between Tranmer Avenue and Chaplin Crescent, scored 6 ranking points out of a possible 100.

No alterations to parking regulations are required, nor would the number of parking spaces be affected by the installation of speed humps. Installation of speed humps will have minimal effect on winter services, street cleaning and garbage collection.

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

Emergency Services Comments

Consultation with emergency services (Toronto Police Services, Toronto Fire Services and Toronto Paramedic Services) is required to ensure that the design and layout of a traffic calming proposal does not unduly affect their operations. Comments have not yet been received from Toronto Fire Services, Toronto Paramedic Services and Toronto Police Services.

Councillor Josh Matlow has been advised of the recommendation in this staff report.

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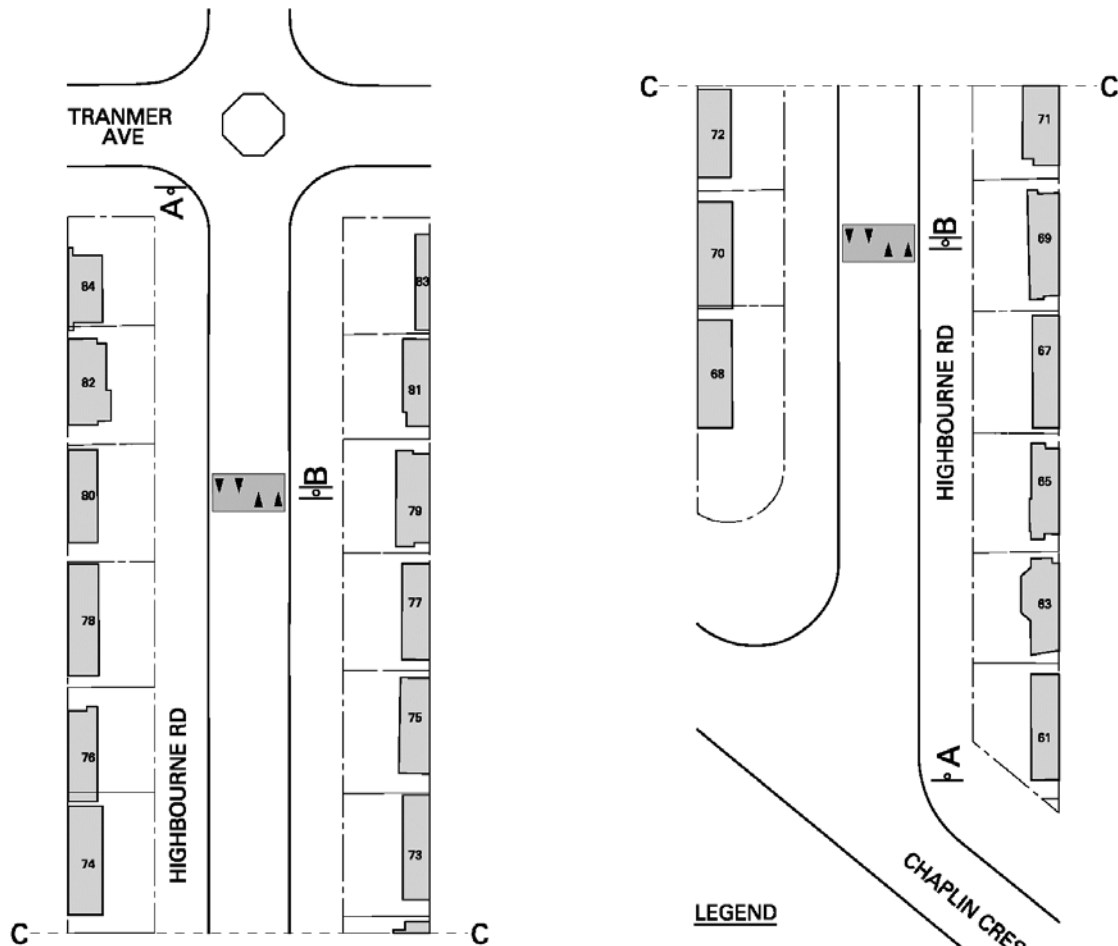
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Roger Browne, P.Eng., M.Eng.
Acting Director, Traffic Management
Transportation Services

ATTACHMENTS

1. Drawing No. 421G-3276, dated February 2019
2. Appendix A - Traffic Calming Warrant Criteria
(Highbourne Road, between Tranmer Avenue and Chaplin Crescent)

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NOTE :

1. INFORMATION ON THIS PLAN IS BASED ON OFFICE RECORDS AND IS SUBJECT TO FIELD VERIFICATION.
2. SPEED HUMPS MAY NOT BE CONSTRUCTED EXACTLY IN THE LOCATIONS SHOWN DUE TO FIELD CONDITIONS.
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.

HIGHBOURNE RD: TRANMER AVE TO CHAPLIN CRES PROPOSED SPEED HUMP LOCATIONS PLAN

T.J.A.

DWG. NO. 421G-3276

FEBRUARY, 2019

TRANSPORTATION SERVICES

TORONTO & EAST YORK DISTRICT

Appendix A
Traffic Calming Warrant Criteria
(Highbourne Road, between Tranmer Avenue and Chaplin Crescent)

Warrant	Criterion	Requirement		Met/Not Met
Warrant 1 Petition	1.1 Petition	A petition requesting traffic calming must be signed by at least 25% of households on the street.		Met – Petition received
		OR		
		A direct request from the Ward Councillor.		
		Warrants #2 and #3 will not be considered until Warrant #1 is satisfied.		
Impacts to Adjacent Streets		No significant traffic impacts on adjacent streets		Met – There should be no traffic spill-over to adjacent streets
Warrant 2 Safety Requirements (all three criteria must be fulfilled to satisfy this Warrant)	2.1 Sidewalks	Continuous sidewalks on at least one side of the street (both sides for collector streets or higher classification).		Met – There are sidewalks present on both sides of the road
		OR		
			Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered.	
	2.2 Road Grade	Road grade 5% or less		Met – The road grade on Highbourne Road is less than 5%
		OR		
		Between 5% and 8% road grade may be considered. Investigation must determine installation to be safe.		
	2.3 Emergency Response	No significant Impacts on Emergency Services - as determined in consultation with Emergency Services (Fire, Ambulance and Police) staff.		Comments to be requested from Toronto Police, Fire and Paramedic Services
Warrant 3 Technical Requirements (all four criteria must be fulfilled to satisfy this warrant)	3.1 Minimum Speed	85 th percentile speed is a minimum of 10 km/h (but less than 15 km/h) over a warranted 40 km/h speed limit, and the traffic volume requirements of Warrant 3.2 must be fulfilled.		Not Met – Speed studies on Highbourne Road between Tranmer Avenue and Chaplin Crescent show an average 85 th percentile speed of 48 km/h
		OR		
			On streets where the 85 th percentile speed exceeds a warranted 40 km/h speed limit by a minimum of 15 km/h, there is no minimum volume required in warrant 3.2.	
		3.2 Min. and Max. traffic Volume	Local Roads	Collector Roads
		Traffic volume between 1,000 Veh/day and 8,000 Veh/day	Traffic volume between 2,500 Veh/day and 8,000 Veh/day	
	3.3 Minimum Street Segment Length between stop controls	Street segment length must exceed 120 metres between stop controls (signals or stop signs)		Met – The segment length between stop controls is approximately 156 metres
	3.4 Transit Service	Impacts on regularly scheduled Toronto Transit Commission (TTC) services will not be significant (as determined in consultation with TTC staff)		Met – No TTC service on Highbourne Road