

Traffic Calming - Chapman Road, between Royal York Road and Chapman Road/Arcade Drive

Date: January 18, 2019
To: Etobicoke York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 2 – Etobicoke Centre

SUMMARY

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

Transportation Services is requesting approval to install speed humps on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive. Staff's assessment indicates the criteria as set out in the Traffic Calming Policy has been satisfied. Therefore, speed humps should be installed on this section of Chapman Road, subject to positive results of the traffic calming poll.

RECOMMENDATIONS

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

1. The City Clerk (Polling Registry Services) poll eligible householders in English or any other language specified by Community Council, on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive, to determine whether residents support the installation of speed humps, in accordance with the City of Toronto Traffic Calming Policy.
2. Subject to favourable results of the poll;
 - a. The City Solicitor prepare a by-law to alter the roadway on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive, for traffic calming purposes, generally as shown on Drawings EY19-017A and EY19-017B, dated December 2018, attached to the report entitled "Traffic Calming - Chapman Road, between Royal York Road and Chapman Road/Arcade Drive."
 - b. Transportation Services take the necessary actions to reduce the speed limit from 40 km/h to 30 km/h on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive, when the speed humps are installed.

FINANCIAL IMPACT

The estimated costs for installing ten speed humps on Chapman Road will be \$40,000.00. Funding for these speed humps would be subject to availability in the Transportation Services 2019 interim Capital Budget and competing priorities.

DECISION HISTORY

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

COMMENTS

Transportation Services received a petition signed by the residents of Chapman Road, forwarded by the previous local councillor, to investigate the feasibility of installing physical traffic calming measures on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive, to address concerns with speeding vehicles. Maps of the area are Attachments 1 and 2.

Chapman Road is classified in the City's Road Classification System as a "Local" road having one lane of traffic in each direction. The posted speed limit between Royal York Road and Chapman Road/Arcade Drive is 40 km/h. The roadway has a rural cross-section which includes ditches and swales. There are sidewalks on both sides of the street. Westmount Junior School is located on Chapman Road near the intersection of Arcade Drive.

To address the request for traffic calming, speed and volume studies were conducted mid-block on Chapman Road east of Ridgemount Road on April 4, 2018. The results of these 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		
Chapman Road, east of Ridgemount Road	232	402	295	59	53	59 km/h	1,041

The 85th percentile speed is the vehicle operating speed at or below which 85 percent of all traffic is moving.

We applied this data to the City of Toronto Traffic Calming Policy. According to the policy, the principle criteria for installing physical traffic calming are vehicle speed and traffic volume. Other factors, including road width, pedestrian facilities and gradient are also considered in the assessment.

The proposal was evaluated under these technical criteria, with the results summarized in Attachment 3. After applying the study data to the Traffic Calming Warrants, it shows that Chapman Road satisfies the criteria for physical traffic calming.

The current City of Toronto Traffic Calming Policy requires that the City Clerk (Polling Registry Services) formally poll property owners/occupants who are directly affected by the installation of traffic calming measures on Chapman Road. Under the policy, the City Clerk must receive a minimum response rate of 50 percent plus one ballot, of which at least 60 percent of respondents must support installing speed humps in order to proceed with installation. However, City Council recently approved amendments to the Traffic Calming Policy that included reducing the minimum response rate to 25 percent in Community Safety Zones or School Safety Zones. Since Chapman Road in the area of Westmount Junior School has been approved as a Community Safety Zone the minimum response rate required will be 25 percent.

Subject to approval by Community Council, according to the recommendations in this report, the City Clerk will poll property owners/occupants. Should the results support installing traffic calming measures on Chapman Road, between Royal York Road and Chapman Road/Arcade Drive, Transportation Services staff will schedule their installation based on relative need and competing priorities.

Consultation with emergency services (Police, Fire and Paramedic Services) is required to ensure that the design and layout of traffic calming proposal does not negatively affect their operations. Comments have not been received back at the time of writing this report from Toronto Police Service, Toronto Paramedic Services or Toronto Fire Services. Installing speed humps will result in slower operating speeds for all vehicles, including emergency service vehicles.

CONTACT

Kevin Akins
Engineering Technologist - Etobicoke York District
Tel: 416-394-6046
Fax: 416-394-8942
E-Mail: kevin.akins@toronto.ca
AFS27812
P:\2019\Cluster B\TRA\EtobicokeYork\eycc190018-to

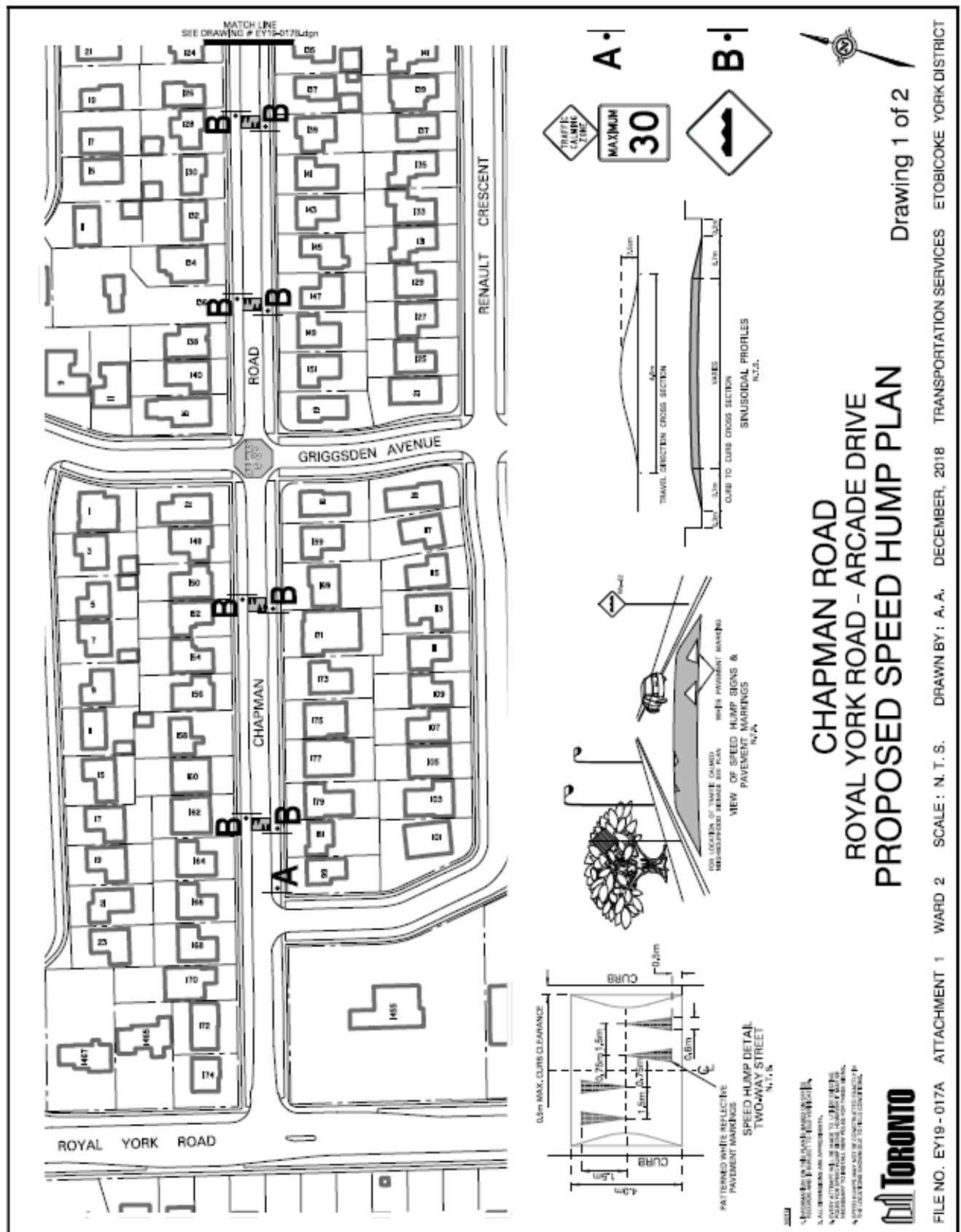
SIGNATURE

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

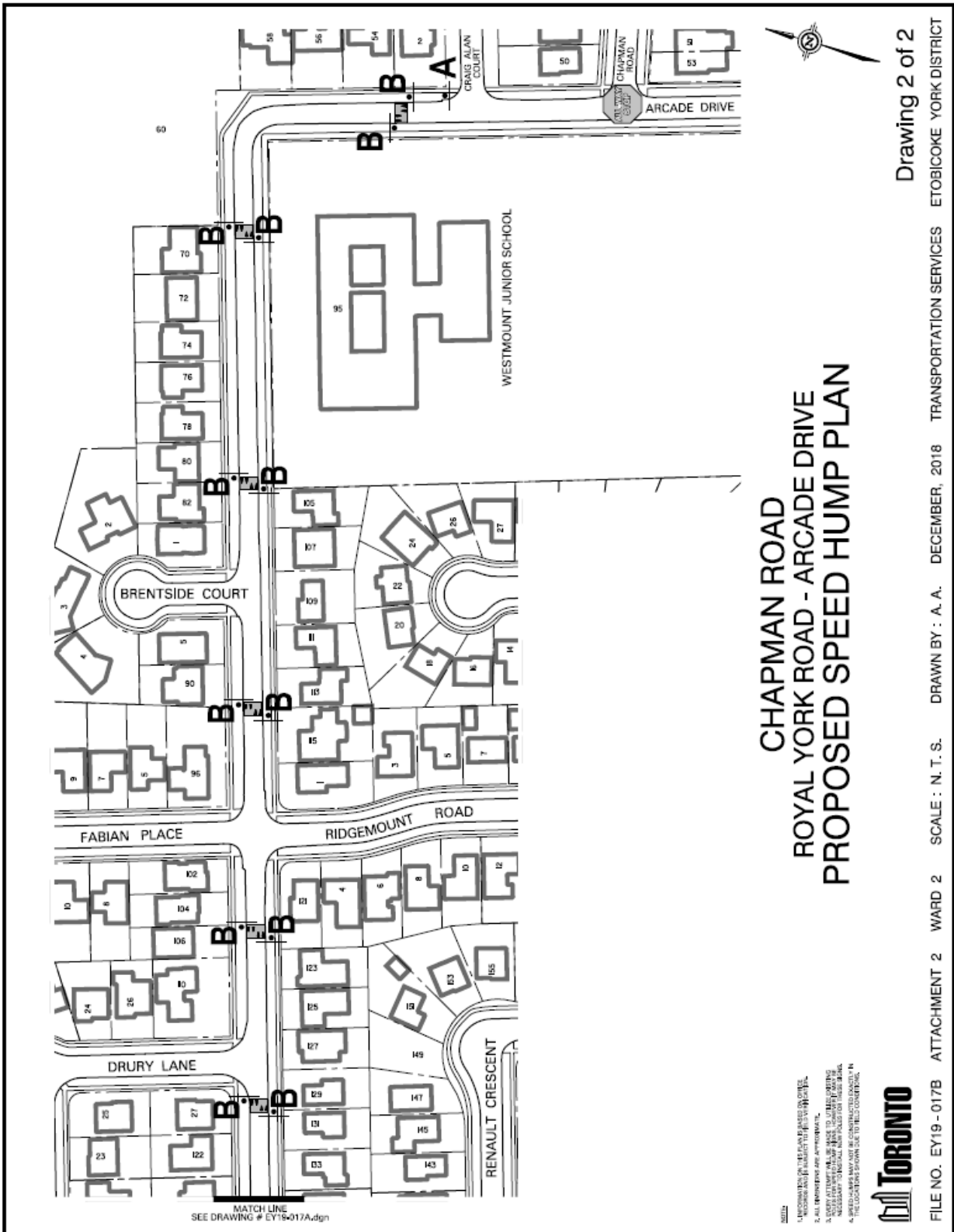
ATTACHMENTS

Attachment 1: Area Map 1 (Chapman Road)
Attachment 2: Area Map 2 (Chapman Road)
Attachment 3: Traffic Calming Warrant - Chapman Road

Attachment 1: Area Map 1 (Chapman Road)



Staff Report for Traffic Calming on Chapman Road



Attachment 3: Traffic Calming Warrant - Chapman Road

Traffic Calming Warrant Criteria Chapman Road between Royal York Road and Chapman Road/Arcade Drive

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. OR A direct request from the Ward Councillor. Warrants #2 and #3 will not be considered until Warrant #1 is satisfied.		Met – Petition submitted
Impacts to Adjacent Streets		No significant traffic impacts on adjacent streets		Met – There should be no traffic spill-over to other streets given the configuration of streets in the area.
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). OR Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered		Met - sidewalks on both sides of the street
	2.2 Road Grade	Road grade 5% or less OR Between 5% and 8% road grade may be considered. Investigation must determine installation to be safe.		Met – Road grade less than 5%.
	2.3 Emergency Response	No significant Impacts on Emergency Services (as determined in consultation with Emergency Services (Fire, Ambulance and Police) staff.		T.B.D.
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 the warranted 40 km/h speed limit, and the traffic volume requirements of Warrant 3.2 must be fulfilled. 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.		Met – 85 th percentile speed of 59 km/h (19 km/h over warranted 40 km/h speed limit)
	3.2 Min. and Max. Traffic Volume	Local Roads Traffic volume between 1,000 Veh/day and 2,500 Veh/day	Collector Roads Traffic volume between 2,500 Veh/day and 8,000 Veh/day	Met – Local 1,041 Veh/day
	3.3 Minimum Street Segment Length between stop controls	Street segment length must exceed 120 meters between stop controls (signals or stop signs)		Met
	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.