

Traffic Calming (Speed Humps) - Sibley Avenue

Date: September 16, 2019
To: Toronto and East York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 19, Beaches - East York

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 reviewed the need for traffic calming, specifically the installation of speed humps, on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, 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 Sibley Avenue.

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 Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue.

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

Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, is classified as local roadway and operates two-way on a pavement width of 7.3 metres. It has a maximum posted speed limit of 30 km/h and an average daily two-way traffic volume of approximately 755 vehicles. There are sidewalks generally provided on both sides of the street and there is no TTC service on this section of road.

Analysis

Transportation Services conducted three days of mid-block speed and volume studies on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, during a mid-week period from October 30 to November 1, 2018.

The study findings were assessed against the City of Toronto's Traffic Calming Policy and it was found that Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, 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 warrant was not met based on the following criteria:

- **Minimum Speed:** The operating speeds (also known as the 85th percentile speed and the speed at which 85 percent of vehicles travel at, or below) of 38 km/h and 45 km/h respectively, for the subject segments of Sibley Avenue, are less than the required minimum of 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria; and
- **Minimum Volume:** The average daily traffic volumes of 891 and 618 vehicles respectively, for the subject segments of Sibley Avenue, are 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 Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, is not warranted.

A review of Toronto Police Service collision records for the three-year period ending December 31, 2018 did not disclose any reported collisions attributed to speeding on the subject section of Sibley Avenue.

Appendix A entitled "Traffic Calming Warrant Criteria (Sibley Avenue between Danforth Avenue and Weymouth Avenue)" outlines the results of our assessment for Sibley Avenue between Danforth Avenue and Weymouth Avenue.

Appendix B entitled "Traffic Calming Warrant Criteria (Sibley Avenue between Dentonia Park Avenue and Coleman Avenue)" outlines the results of our assessment for Sibley Avenue between Dentonia Park Avenue and Coleman Avenue.

Alternate Recommendations

If, despite the findings above, Toronto and East York Community Council should recommend installing speed humps on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, it may approve the following:

"That the Toronto and East York Community Council:

1. Direct the Acting Director, Traffic Management, Transportation Services, to request the City Clerk to poll eligible householders on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue, 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:

- (a) Authorize the installation of speed humps on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue; and

- (b) Direct the City Solicitor to prepare a by-law to alter the roadway on Sibley Avenue between Danforth Avenue and Dentonia Park Avenue, for traffic calming purposes, generally as shown on the copy of 'Drawing 421G-3529, dated September 2019', attached to the report entitled 'Traffic Calming (Speed Humps) - Sibley Avenue' from the Acting Director, Traffic Management, Transportation Services."

The estimated cost for installing three speed humps on Sibley Avenue is \$12,000. The installation of speed humps on Sibley Avenue would be subject to availability in Transportation Services' 2020 Capital Funding estimates and competing priorities.

Conduct Poll

The City of Toronto Traffic Calming Policy stipulates the option that residents who would be directly affected by installing speed humps be formally polled. A minimum response of 50 percent plus one ballot is required (25 percent in Community Safety Zones), 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 alternate recommendations outlined above, Transportation Services would request a poll of eligible residents on Sibley Avenue, between Danforth Avenue and Dentonia Park Avenue. If the poll supports the installation of 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 and bicycle routes. Sibley Avenue between Danforth Avenue and Dentonia Park Avenue, scored 14 ranking points out of a possible 100. No alterations to parking regulations would be required, nor would the number of parking spaces be affected by the installation of speed humps. Installation of speed humps would have minimal effect on winter services, street cleaning and garbage collection.

Speed humps would 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 Service, 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 emergency services.

Councillor Brad Bradford has been advised of the recommendation of this staff report.

CONTACT

Shawn Dillon
Manager, Traffic Operations (Area 1)
Traffic Management
Transportation Services
Telephone: (416) 397-5021
Fax: (416) 392-1920
E-mail: Shawn.Dillon@toronto.ca

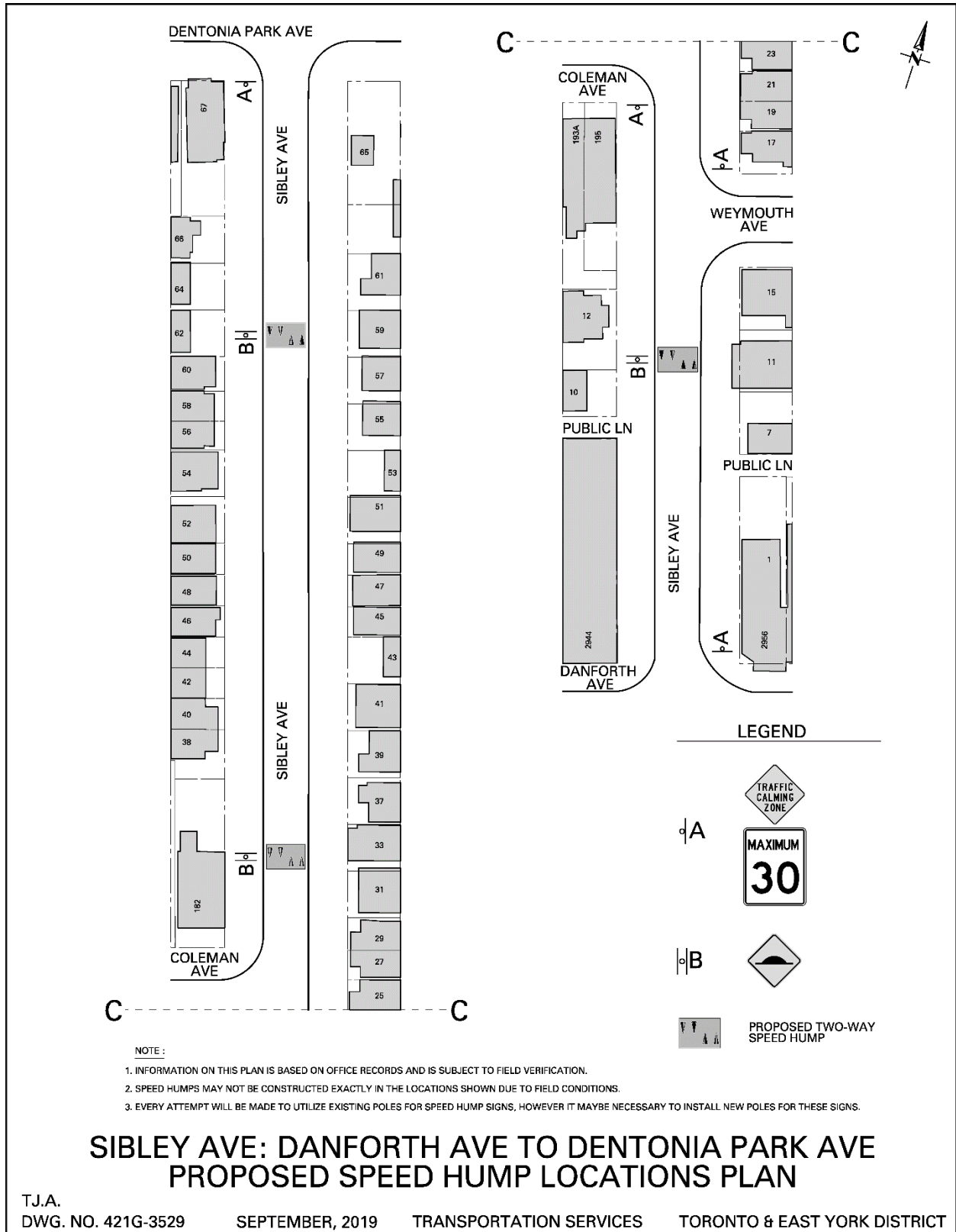
SIGNATURE

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

ATTACHMENTS

1. Drawing No. 421G-3529, dated September 2019
2. Appendix A - Traffic Calming Warrant Criteria -
Sibley Avenue between Danforth Avenue and Weymouth Avenue
3. Appendix B - Traffic Calming Warrant Criteria -
Sibley Avenue between Dentonia Park Avenue and Coleman Avenue

P:\2019\Cluster B\Tra\Toronto and East York\Top\Ts2019245te.top.doc – mb



Appendix A

Table 1: Traffic Calming Warrant Criteria

Sibley Avenue between Weymouth Avenue and Danforth Avenue

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 – A direct request from Ward Councillor's office
	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). OR Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered	Met – There are sidewalks present on both sides of the road
	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 – The road grade on Sibley Avenue is 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.	Comments have been requested
Warrant 3 Technical Requirements (all four criteria must be fulfilled to satisfy this warrant)	3.1 Minimum Speed	85 th %ile 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. OR On streets where the 85 th %ile 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.	Not Met – Speed studies on Sibley Avenue show 85 th percentile speeds of 38 km/h from Weymouth Avenue and Danforth Avenue
	3.2 Min. and Max. traffic Volume	Local Roads Traffic volume between 1,000 Veh/day and 8,000 Veh/day Collector Roads Traffic volume between 2,500 Veh/day and 8,000 Veh/day	Not Met – Local road with approximately 891 vehicles total daily volume from Weymouth Avenue and Danforth Avenue
	3.3 Minimum Street Segment Length between stop controls	Street segment length must exceed 120 meters between stop controls (signals or stop signs)	Met – Sibley Avenue between Danforth Avenue and Dentonia Park Avenue, is about 263 metres in length
	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 Harris Avenue

Appendix B

Table 2: Traffic Calming Warrant Criteria

Sibley Avenue between Dentonia Park Avenue and Coleman Avenue

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 – A direct request from Ward Councillor's office
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). OR Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered		Met – There are sidewalks present on both sides of the road
	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 – The road grade on Sibley Avenue is 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.		Comments have been requested
Warrant 3 Technical Requirements (all four criteria must be fulfilled to satisfy this warrant)	3.1 Minimum Speed	85 th %ile 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. OR On streets where the 85 th %ile 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.		Not Met – Speed studies on Sibley Avenue show 85 th percentile speeds of 44 km/h from Dentonia Park Avenue and Coleman Avenue
	3.2 Min. and Max. traffic Volume	Local Roads Traffic volume between 1,000 Veh/day and 8,000 Veh/day	Collector Roads Traffic volume between 2,500 Veh/day and 8,000 Veh/day	Not Met – Local road with approximately 618 vehicles total daily volume from Dentonia Park Avenue and Coleman Avenue
	3.3 Minimum Street Segment Length between stop controls	Street segment length must exceed 120 meters between stop controls (signals or stop signs)		Met – Sibley Avenue between Danforth Avenue and Dentonia Park Avenue, is about 263 metres in length
	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 Harris Avenue