Traffic Calming (Speed Humps) - Flagman Street

Date: October 26, 2017
To: Toronto and East York Community Council
From: Acting Director, Transportation Services, Toronto and East York District
Wards: Ward 32, 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 have reviewed the need for traffic calming, specifically speed humps on Flagman Street, between Brockville Street and William Hancox 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 Flagman Street.

RECOMMENDATIONS

The Acting Director, Transportation Services, Toronto and East York District recommends that:

1. Toronto and East York Community Council deny the installation of traffic calming (speed humps) on Flagman Street, between Brockville Street and William Hancox Avenue.

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.
COMMENT

Existing Conditions
Flagman Street, between Brockville Street and William Hancox Avenue, is a local road that operates with two-way traffic. It has a posted speed limit of 30 km/h and a daily two-way traffic volume of about 700 vehicles. The pavement width on Flagman Street is about 6.8 metres and there are sidewalks provided on south side. No TTC service is provided on Flagman Street.

Analysis
Transportation Services conducted a 24 hour mid-block speed and volume study on Flagman Street, between Brockville Street and William Hancox Avenue, on April 26, 2017.

The study findings were assessed against the City of Toronto's traffic calming policy and it was found that Flagman Street, between Brockville Street and William Hancox 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 warrants were not met based on the following criteria:

- Speed: The operating (85th percentile) speed was found to be 43 km/h. This is below the minimum of 10 km/h over the warranted speed limit required to satisfy the traffic calming installation criteria; and
- Volume: The average daily traffic volume recorded was 700 vehicles. This is below the minimum of 1,000 vehicles per day needed to satisfy the traffic calming installation criteria.

Therefore, the installation of traffic calming on Flagman Street, between Brockville Street and William Hancox Avenue, is not warranted.

A review of Toronto Police Services collision records for a three-year period ending December 31, 2016 did not disclose any reported collisions on the subject section of Flagman Street attributed to speeding.

Appendix A entitled "Table 1: Traffic Calming Warrant Criteria" outlines the results of our assessment for Flagman Street, between Brockville Street and William Hancox Avenue.

Alternate Recommendations
If, despite the findings above, Toronto and East York Community Council determines that installing speed humps on Flagman Street, between Brockville Street and William Hancox Avenue, would be beneficial, it may approve the following:
"That the Toronto and East York Community Council direct:

1. The Acting Director of Transportation Services, Toronto and East York District request the City Clerk to poll eligible householders on Flagman Street, between Brockville Street and William Hancox 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, the City Solicitor prepare a by-law to alter sections of the roadway on Flagman Street, between Brockville Street and William Hancox Avenue, for traffic calming purposes, generally as shown on the copy of Drawing No. 421G-2735, dated October 26, 2017, attached to the report entitled 'Traffic Calming (Speed Humps) - Flagman Street ' from the Acting Director, Transportation Services, Toronto and East York District."

The estimated cost for installing two speed humps on Flagman Street is $6,400.00. The installation of speed humps on Flagman Street would be subject to availability in Transportation Services 2018 Capital Funding and competing priorities.

Conduct Poll
The City of Toronto's traffic calming policy stipulates that residents who would be directly affected by installing speed humps on Flagman Street, between Brockville Street and William Hancox Avenue, be formally polled. A minimum response of 50 percent plus one ballot is required, 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 Flagman Street, between Brockville Street and William Hancox Avenue. 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. Flagman Street, between Brockville Street and William Hancox Avenue, scored 6.75 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 (Police, Fire and Paramedic Services) is required to ensure that the design and layout of a traffic calming proposal does not unduly affect their operations. Toronto Paramedic Services provided their comments in the attached letter dated October 10, 2017 (Appendix B.) Comments have not yet been received from Toronto Fire Services and Toronto Police Services.

Councillor Mary - Margaret McMahon has been advised of the recommendation in this staff report.

CONTACT

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SIGNATURE

Dave Twaddle, C.E.T.
Acting Director, Transportation Services
Toronto and East York District

ATTACHMENTS

1. Drawing No. 421G-2735, dated October 26, 2017
2. Appendix A - Table 1: Traffic Calming Warrant Criteria
3. Appendix B - Letter from Toronto Paramedic Services, dated October 10, 2017

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# APPENDIX A

## Table 1 - Traffic Calming Warrant Criteria

Flagman Street between Brockville Street and William Hancox Avenue

<table>
<thead>
<tr>
<th>Warrant</th>
<th>Criterion</th>
<th>Requirement</th>
<th>Met/Not Met</th>
</tr>
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<tbody>
<tr>
<td><strong>Warrant 1</strong>&lt;br&gt;Petition</td>
<td>1.1 Petition</td>
<td>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.</td>
<td><strong>Met</strong> – Request to investigate by Councillor McMahon/Petition (SR# 8134507)</td>
</tr>
<tr>
<td>Impacts to Adjacent Streets</td>
<td></td>
<td>No significant traffic impacts on adjacent streets</td>
<td><strong>Met</strong> – There should be no traffic spill-over to adjacent streets</td>
</tr>
<tr>
<td><strong>Warrant 2</strong>&lt;br&gt;Safety Requirements</td>
<td>2.1 Sidewalks</td>
<td>Continuous sidewalks on at least one side of the street (both sides for collector streets or higher classification). OR Where there are no sidewalk, the installation of sidewalk on at least one side of the street must have first been considered.</td>
<td><strong>Met</strong> – There are sidewalks present on south side road</td>
</tr>
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<td></td>
<td>2.2 Road Grade</td>
<td>Road grade 5% or less OR Between 5% and 8% road grade may be considered. Investigation must determine installation to be safe.</td>
<td><strong>Met</strong> – The road grade on Osborne Avenue is less than 5% Comments requested from Toronto Fire, Paramedic and Police Services</td>
</tr>
<tr>
<td></td>
<td>2.3 Emergency Response</td>
<td>No significant impacts on Emergency Services - as determined in consultation with Emergency Services (Fire, Ambulance and Police) staff.</td>
<td></td>
</tr>
<tr>
<td><strong>Warrant 3</strong>&lt;br&gt;Technical Requirements</td>
<td>3.1 Minimum Speed</td>
<td>85th 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. OR On streets where the 85th 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:</td>
<td><strong>Not Met</strong> – Speed studies on Flagman Street show 85th percentile speeds of 43 km/h</td>
</tr>
<tr>
<td></td>
<td>3.2 Min. and Max. traffic Volume</td>
<td>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</td>
<td><strong>Not Met</strong> – Local road with approximately 700 vehicles total daily volume from Brockville Street to William Hancox Avenue</td>
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<tr>
<td></td>
<td>3.3 Minimum Street Segment Length between Stop Controls</td>
<td>Street segment length must exceed 120 metres between stop controls (signals or stop signs)</td>
<td><strong>Met</strong> – Flagman Street, between Brockville Street and William Hancox Avenue, is about 156 metres in length</td>
</tr>
<tr>
<td></td>
<td>3.4 Transit Service</td>
<td>Impacts on regularly scheduled Toronto Transit Commission (TTC) services will not be significant (as determined in consultation with TTC staff)</td>
<td><strong>Met</strong> – No TTC service on Flagman Street</td>
</tr>
</tbody>
</table>
October 10, 2017

Rehan Shakeel
Technical Trainee
Traffic Operations, Transportation Services
City of Toronto

Re: Traffic Calming Measures – on Flagman Street, between Brockville Street and William Hancox Avenue – Evaluation for the installation of traffic calming measures (i.e. Speed Humps).

Dear Mr. Shakeel,

I have received and reviewed the proposal for installation of speed humps on Flagman Street, between Brockville Street and William Hancox Avenue. I have the following comments:

Toronto Paramedic Services is supportive of community initiatives that improve the safety of all citizens of, and visitors to, the City of Toronto. Traffic and pedestrian safety are key components of a healthy neighborhood and we endeavor to support the wishes of the community to implement measures to improve upon these components.

As documented in the Traffic Calming Policy, Toronto Paramedic Services has concerns regarding the usage of traffic calming measures, specifically vertical obstacle measures such as speed humps. These have a negative impact on emergency call response times, travel times to hospital and on patient comfort during transport. This delay is cumulative with each obstacle and can directly impact patient outcome.

In addition to concern for patient outcome and safety it is noted that this proposal does not meet the Warrant Criteria as set out in the Policy. Therefore, Toronto Paramedic Services is opposed to the installation of traffic calming devices on Flagman Street, between Brockville Street and William Hancox Avenue. It is important that the applicant fully understands the potential for delay in emergency response and that alternatives to vertical measures be considered and evaluated.

Yours truly,

Dawn Ainsworth
Superintendent, Toronto Paramedic Services
Planning, Special Events & Emergency Management