Traffic Calming - Hillsdale Avenue West

Date:  March 22, 2017
To:  Toronto and East York Community Council
From:  Acting Director, Transportation Services, Toronto and East York District
Wards:  Ward 22, 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 on Hillsdale Avenue West, between Duplex Avenue and Colin 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 on this roadway. Therefore, traffic calming should not be installed on the subject section of Hillsdale Avenue West.

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 on Hillsdale Avenue West, between Duplex Avenue and Colin 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.
Existing Conditions
Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, is a local road that operates two-way traffic. It has a posted speed limit of 30 km/h and a daily traffic volume of about 2,600 vehicles. The pavement width on Hillsdale Avenue West is about 8.5 metres and there are sidewalks provided on both sides. There is no TTC service provided on Hillsdale Avenue West.

Analysis
Transportation Services conducted three days of mid-block speed and volume studies on Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, in January 2017.

The study findings were assessed against the City of Toronto's traffic calming policy and it was found that Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, did not satisfy the criteria. More specifically:

- The operating speed of 37 km/h is less than the required minimum of 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria; and
- The block length of 100 metres between stop controls is less than the required minimum of 120 metres.

Therefore, the installation of traffic calming on Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, is not warranted.

A review of Toronto Police Service collision records for a three-year period ending June 30, 2016 did not disclose any reported collisions on the subject section of Hillsdale Avenue West attributed to speeding.

Appendix A entitled "Table 1: Traffic Calming Warrant Criteria - Hillsdale Avenue West" outlines the results of our assessment.

Alternate Recommendations
If, despite the findings above, Toronto and East York Community Council determines that installing speed humps on Hillsdale Avenue West, between Duplex Avenue and Colin 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 Hillsdale Avenue West, between Duplex Avenue and Colin 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 Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, for traffic calming purposes, generally as shown on the copy of Drawing No. 421G-2451, dated March 2017, attached to the report entitled 'Traffic Calming - Hillsdale Avenue West' from the Acting Director, Transportation Services, Toronto and East York District."

The estimated cost for installing two speed humps on Hillsdale Avenue West is $6,400. The installation of speed humps on Hillsdale Avenue West 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 Hillsdale Avenue West, between Duplex Avenue and Colin 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 outline above, Transportation Services would request a poll of eligible residents on Hillsdale Avenue West, between Duplex Avenue and Colin 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. Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, scored 25 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. Comments have been requested but have not yet been received.
Councillor Josh Matlow has been advised of the recommendation of 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-2451, dated March 2017
2. Appendix A - Table 1: Traffic Calming Warrant Criteria (Hillsdale Avenue West)
## Table 1: Traffic Calming Warrant Criteria

Hillsdale Avenue West, between Duplex Avenue and Colin 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>Warrant 1</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 for the Ward Councillor. Warrants #2 and #3 will not be considered until Warrant #1 is satisfied.</td>
<td>Met – Petition and request from Councillor</td>
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<tr>
<td></td>
<td>Impacts to Adjacent Streets</td>
<td>No significant traffic impacts on adjacent streets</td>
<td>Met – There should be no traffic spill-over to adjacent streets</td>
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<tr>
<td>Warrant 2</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 sidewalks, the installation of sidewalk on at least one side of the street must have first been considered</td>
<td>Met – There are sidewalks present on both sides of the road</td>
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<tr>
<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>Met – The road grade on Hillsdale Avenue West is less than 5% (~1.7%)</td>
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<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>Comments have been requested but have not been received</td>
</tr>
<tr>
<td>Warrant 3</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>Not met – Speed studies show 85th percentile speeds on Hillsdale Avenue West of 37 km/h</td>
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<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>Met – Local road with a daily traffic volume of 2,600 vehicles</td>
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<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>No met – Hillsdale Avenue West, between Duplex Avenue and Colin Avenue, is about 100 metres in length</td>
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<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>Met – No TTC service on Hillsdale Avenue West</td>
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