

Traffic Calming (Speed Humps) - Hillmount Avenue

Date: December 19, 2024

To: North York Community Council

From: Director, Traffic Management, Transportation Services

Wards: Ward 8 - Eglinton-Lawrence

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 recommending the installation of two additional speed humps on Hillmount Avenue, between Dufferin Street and Capitol Avenue. Staff's assessment revealed that the spacing between the existing speed humps exceeds the design specifications and the criteria as set out in the updated Traffic Calming Policy has been satisfied. Therefore, additional speed humps should be installed on Hillmount Avenue.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. North York Community Council authorize the installation of two additional traffic calming speed humps on Hillmount Avenue, between Dufferin Street and Capitol Avenue.
2. North York Community Council direct the City Solicitor to prepare a by-law to alter the roadway for the installation of two additional speed humps on Dufferin Street and Capitol Avenue, generally as shown on the attached Drawing No. TC-366, dated October 2024.

FINANCIAL IMPACT

The estimated cost for installing two speed humps on Hillmount Avenue is \$8,000. Funding is subject to availability and competing priorities within the Transportation Services current Capital Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services received a request from the Ward Councillor, on behalf of area residents, to investigate the feasibility of installing additional speed humps on Hillmount Avenue, between Dufferin Street and Capitol Avenue. The residents are concerned that the distance between the existing speed humps allow for motorists to travel at a high rate of speed.

Existing Conditions

Hillmount Avenue is characterized by the following conditions:

- It is a two-lane, east-west local roadway
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume is approximately 750 vehicles
- The speed limit is 30 km/h
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks on the south side of the street
- There are two speed humps located in front of 376 and 390 Hillmount Avenue

The land use in the area consists of detached and semi-detached residential dwellings. This subject section of Hillmount Avenue is not within designated Community Safety Zone.

A map of the area and existing and proposed locations of the speed humps is included in Attachment 1.

Study Results

The existing two speed humps on Hillmount Avenue, between Dufferin Street and Capitol Avenue, were installed prior to 2007. The speed humps are located 85 metres and 185 metres east of the stop control at Dufferin Street and 107 metres west of the stop control at Capitol Avenue. This spacing is greater than the recommended 45-70 metre spacing between speed humps and stop controls to most effectively promote operating speeds at the 30 km/h speed limit.

As part of the assessment of the warrant criteria, a vehicle speed and volume study was conducted on Hillmount Avenue on October 29, 2024. The study results disclosed the following:

- 24-hour total vehicle volume is 888 vehicles

- The block length from Dufferin Street and Capitol Avenue is 390 metres
- The operating speed, which is the speed at which 85 percent of traffic is travelling at or below, was observed at 40 km/h
- The 95th percentile speed, which is the speed at which 95 percent of traffic is travelling at or below, was observed at 45 km/h

Based on the study results, Hillmount Avenue has satisfied the warrant criteria for both minimum block length and minimum vehicle speed. The block length was greater than 120 metres and the operating speed is 8 km/h over the warranted speed limit of 30 km/h and the 95th percentile speed is 15 km/h over the warranted speed limit.

The overall investigation concluded that the eligibility and warrant criteria as outlined in the updated Traffic Calming Policy has been satisfied.

The recommended installation of an additional two speed humps in front of 371 and 387 Hillmount Avenue will result in a spacing of approximately 50 metres between humps and the stop control at Capitol Avenue. This will more effectively promote slower operating speeds on Hillmount Avenue.

The Ward Councillor has been advised of the recommendations in this report.

CONTACT

Shawn Dillon, Manager Traffic Operations (Area 2), Transportation Services
416-394-8409, Shawn.Dillon@toronto.ca

SIGNATURE

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

ATTACHMENTS

Attachment 1: Speed Hump Locations Plan - Hillmount Avenue Dufferin Street-Capitol Avenue

Attachment 1: Speed Humps Location Plan Hillmount Avenue Dufferin Street-Capitol Avenue

