

Additional Speed Humps - Castlefield Avenue

Date: October 6, 2020
To: North York Community Council
From: Acting Director, Traffic Management, Transportation Services
Wards: Ward 8 - Eglinton-Lawrence

SUMMARY

This staff report is about a matter for which Community Council has delegated authority to make a final decision.

Transportation Services is recommending the installation of three additional speed humps on Castlefield Avenue, between Avenue Road and Rosewell Avenue. When traffic calming was approved on this section of Castlefield Avenue in 2001, the criteria at the time precluded the installation of speed humps on grades exceeding five percent. The westerly section of Castlefield Avenue has a maximum grade of 6.4 percent. Based on this, two speed humps were installed on only the easterly section of Castlefield Avenue where the grade was less than 5 percent. The criteria was subsequently changed to now allow speed humps on grades of up to 8 percent.

With the changes to the traffic calming installation criteria, three additional speed humps on the westerly section of Castlefield Avenue, between Avenue Road and Rosewell Avenue, can be installed and is now feasible and will address residents' concerns with vehicle speeds, subject to positive results of the traffic calming poll.

RECOMMENDATIONS

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

1. North York Community Council request the City Clerk to poll eligible householders on Castlefield Avenue, between Avenue Road and Rosewell Avenue, to determine whether residents support the installation of three additional traffic calming speed humps, in accordance with the City of Toronto Traffic Calming Policy.

2. Subject to favourable results of the poll:

(a) North York Community Council authorize the installation of three additional speed humps on Castlefield Avenue, between Avenue Road and Rosewell Avenue; and

(b) North York Community Council replace Drawing No. 421F-5623 dated February 2000, attached to the report dated March 6, 7 and 8, 2001, entitled " Castlefield Avenue - From Rosewell Avenue to Avenue Road - Feasibility of Installing Speed Humps", from the Director, Transportation Services District, with Drawing No. 421G-3768, dated July 2020, attached to the report dated September 8, 2020, entitled "Additional Speed Humps – Castlefield Avenue", from the Acting Director, Traffic Management, Transportation Services, with respect to the roadway alteration by-law.

(c). North York Community Council direct the City Solicitor to prepare a by-law to alter sections of the roadway to install three speed humps on on Castlefield Avenue, between Avenue Road and Rosewell Avenue for traffic calming purposes, generally as shown on Drawing No. 421G-3768, dated July 2020 and circulated to residents during the polling process.

FINANCIAL IMPACT

The estimated cost for installing three additional speed humps on Castlefield Avenue is \$12,000. The installation of speed humps on Castlefield Avenue would be subject to availability in Transportation Services 2021 Capital Budget and competing priorities.

DECISION HISTORY

City of Toronto Council, at its meeting held on March 6, 7 and 8, 2001, adopted Clause 27 of Midtown Community Council Report 2 and, in so doing, authorized the installation of two speed humps on Castlefield Avenue, between Avenue Road and Rosewell Avenue. The council decision can be found at:

<https://www.toronto.ca/legdocs/2001/agendas/council/cc010306/ey2rpt/cl027.pdf>.

COMMENTS

Transportation Services was requested by Councillor Mike Colle, on behalf of local residents in a petition, to review the feasibility of installing additional speed humps on Castlefield Avenue, between Avenue Road and Rosewell Avenue. This was to address concerns with vehicle speeds.

Castlefield Avenue, between Avenue Road and Rosewell Avenue, is an 8.5 metre wide east-west local roadway with a 30 km/h speed limit due to two traffic calming speed humps. There are sidewalks on both sides of this street located in a residential community. Heavy vehicles are prohibited on Castlefield Avenue.

Castlefield Avenue, between Rosewell Avenue and Avenue Road, was evaluated for traffic calming in 2001 and it was determined to be justified. However, the traffic calming criteria at that time precluded the installation of speed humps on roads with a grade in

excess of 5 percent. The westerly section of Castlefield Avenue has a maximum grade of 6.4 percent. Based on this, speed humps were approved on only the easterly section of Castlefield Avenue, in front of 163 and 135 Castlefield Avenue, approximately 300 metres and 400 metres east of Avenue Road, respectively.

Subsequently, the traffic calming criteria was modified to allow speed humps on roads with a maximum grade of 8 percent. Considering this modification, speed humps are now recommended on the westerly section of Castlefield Avenue.

To assess the existing traffic conditions on the westerly section of Castlefield Avenue, in the area without speed humps, 72 hour vehicle volume and speed studies were conducted from January 28th, 2020 to January 30th, 2020. The results of the studies are as follows:

Table 1: 72-Hour Speed and Volume Study - Castlefield Avenue (January 28-30, 2020)

Section	Direction	Speed Limit	Vehicle Speeds		Average Traffic Volumes		
			Operating*	Average	AM	PM	24 hour
Midway between Avenue Road and first speed hump	Eastbound	30 km/h	48	39	99	62	2,070
	Westbound		50	41	58	84	2,393

*The operating speed is the speed that 85% of traffic is travel at or below.

Considering the above study findings, Transportation Services recommends the installation of three additional speed humps on Castlefield Avenue, between Avenue Road and the first speed hump 300 metres to the east, as shown on attached plan No. 421G-3768. The traffic calming poll completed as part of the initial traffic calming approval in 2001 for Castlefield Avenue, between Avenue Road and Rosewell Avenue, is no longer valid so an updated poll is required.

The Ward Councillor is aware of the recommendations of this staff report.

CONTACT

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SIGNATURE

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

ATTACHMENTS

Attachment 1: Map - Castlefield Ave: Avenue Rd to Rosewell Ave Proposed and Existing Speed Hump Locations Plan

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