

Traffic Calming (Speed Humps) - Carmichael Avenue

Date: May 16, 2025

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 speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road. Staff's assessment indicates the criteria as set out in the updated Traffic Calming Policy has been satisfied. Therefore, speed humps should be installed on Carmichael Avenue.

RECOMMENDATIONS

The Director, Traffic Management, Transportation Services recommends that:

1. North York Community Council authorize the installation of speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road.
2. North York Community Council direct the City Solicitor to prepare a by-law to alter the roadway for the installation of two (2) speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road, generally as shown on Attachment 2, Drawing TC-509 dated April 2025, attached to the report entitled "Traffic Calming (Speed Humps) - Carmichael Avenue" from the Director, Traffic Management, Transportation Services.

FINANCIAL IMPACT

The estimated cost for installing two (2) speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road is \$8,000. Funding is subject to availability and competing priorities within the Transportation Services 2025 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 speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road. The residents are concerned that motorists travel at a high rate of speed on Carmichael Avenue.

Existing Conditions

Carmichael 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 887 vehicles
- The speed limit is 40 km/h
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There is sidewalk on south side of the street

Vision Zero as part of the road safety plan, approved 30 km/h speed limits for all local streets in this area. However, at the time that this report was prepared the required signage has not been installed. The required signage will be installed as scheduling and budget permits.

The land use in the area consists of detached residential dwellings. This subject section of Carmichael Avenue, between Kelso Avenue and Avenue Road is not within designated Community Safety Zone.

A map of the area and proposed locations of the speed humps is included in Attachment 2.

Study Results

As part of the assessment of the warrant criteria, a vehicle speed and volume study was conducted on Carmichael Avenue, between Kelso Avenue and Avenue Road from March 25 to 27, 2025.

The study results on Carmichael Avenue, between Kelso Avenue and Avenue Road disclosed the following:

- 24-hour total vehicle volume is 887 vehicles
- The block length from Avenue Road to Kelso Avenue is 154.5 metres

- The operating speed, which is the speed at which 85 percent of traffic is travelling at or below, was observed at 42 km/h
- The 95th percentile speed, which is the speed at which 95 percent of traffic is travelling at or below, was observed at 46 km/h

Based on the study results, Carmichael Avenue, between Kelso Avenue and Avenue Road 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 12 km/h over the warranted speed of 30 km/h; and the 95th percentile is 16 km/h more than the warranted speed of 30 km/h.

The overall investigation concluded that the eligibility and warrant criteria as outlined in the updated Traffic Calming Policy has been satisfied. Therefore, staff recommend the installation of speed humps on Carmichael Avenue, between Kelso Avenue and Avenue Road.

Relative Priority and Other Impacts

In the event that the number of approved requests for roadway traffic calming measures exceed the budget allocated for installation, funding for approved installations will be prioritized using a Prioritization Score. This score is made up of a Quantitative Score and a Qualitative Score.

The Quantitative Score is based on the results of the data collection, including travel speeds and traffic volumes to prioritize locations with higher vehicle speeds and volumes.

The Qualitative Score includes:

- Collision history to prioritize locations with a history of serious injury or fatal collisions and those involving a pedestrian or cyclist
- Equity to prioritize equity-deserving communities with a high-concentration of priority populations and those that are transportation disadvantaged
- Expected presence of vulnerable road users (elderly population, school children and pedestrians, including transit riders) to prioritize locations with a higher risk of fatal and serious injury collisions

The Quantitative and Qualitative Scores are averaged to provide the complete Prioritization Score. Carmichael Avenue, between Kelso Avenue and Avenue Road, scored 43 ranking points out of a possible 100.

No alterations to parking regulations will be required, nor will 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.

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. Emergency services were advised of this proposal.

Toronto Paramedic Services have provided their comments and advised of potential delays in emergency responses but expressed support for initiatives that enhance community safety. A copy of their full response is included as Attachment 3. Toronto *Fire* and Toronto Police Service have not provided comments back at the time of writing this report. Installing speed humps will result in slower operating speeds for all vehicles, including emergency service vehicles.

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: Traffic Calming Warrant - Carmichael Avenue, between Kelso Avenue and Avenue Road

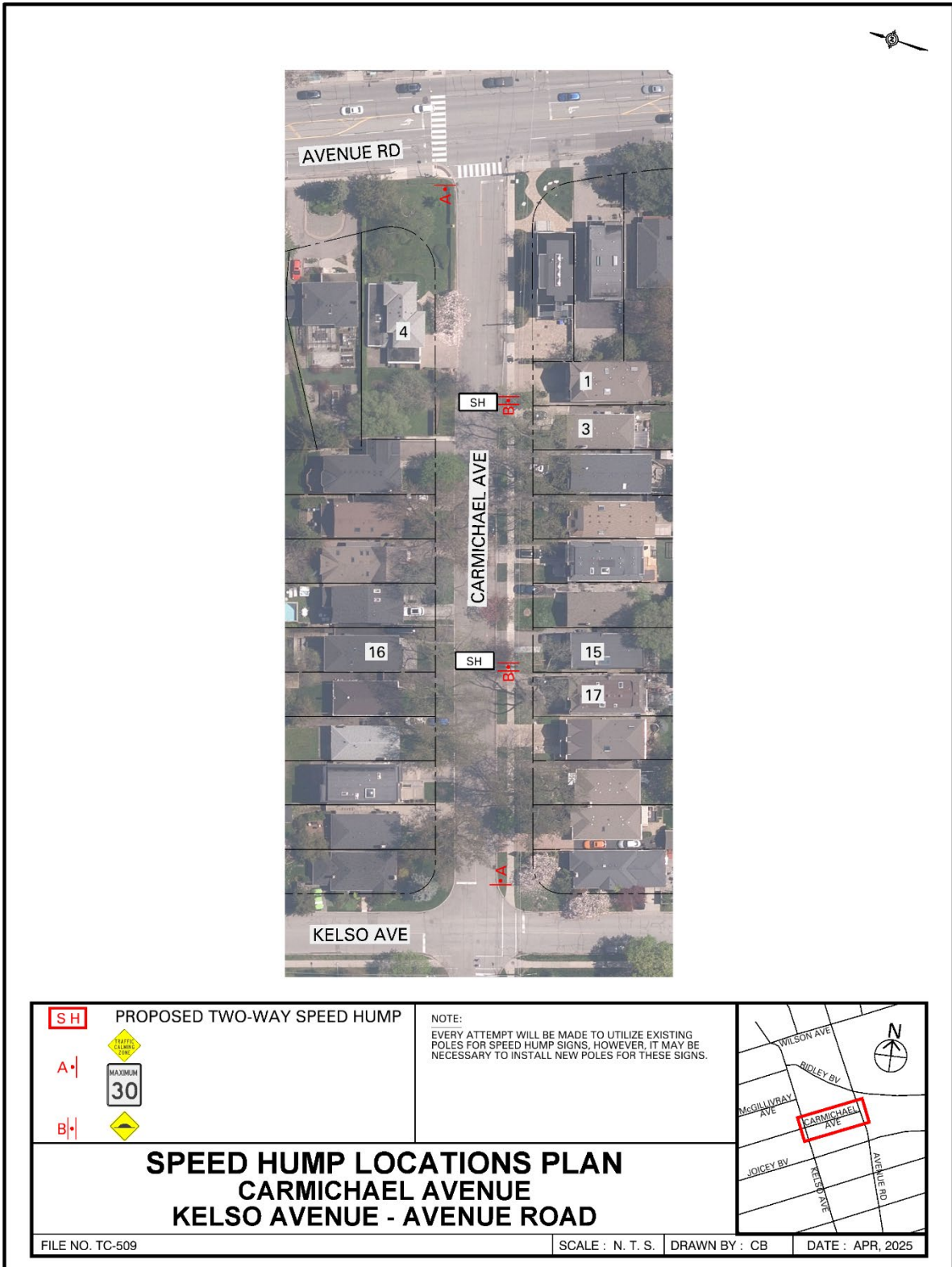
Attachment 2: Speed Hump Locations Plan - Carmichael Avenue, between Kelso Avenue and Avenue Road

Attachment 3: Memo from Toronto Paramedic Services, dated April 23, 2025

Attachment 1: Traffic Calming Warrant – Carmichael Avenue, Between Kelso Avenue
and Avenue Road

Criteria		Requirement	Warrant Satisfied?
Community Support		A direct request from the Ward Councillor OR identified by Transportation Services in consultation with the Ward Councillor	Yes
Eligibility Criteria	Road Classification	Classified as a local or collector roadway, according to the Toronto Road Classification System	Yes
	Sidewalks	Presence of a sidewalk on at least one side of a local roadway and both sides of a collector roadway is preferred but not required	Yes
	Traffic Volume	Maximum average daily traffic volume of less than 8,000 vehicles per day	Yes
	Road Grade	Maximum roadway grade of up to 5%, can be considered in locations where the road grade is between 5% and 8% with additional review	Yes
	Emergency Services	No significant impacts on emergency services, including Toronto Fire, Paramedic and Police Services	Yes/No
	Transit Services	No significant impacts to regularly scheduled Toronto Transit Commission (TTC) services	N/A
Warrant Criteria	Minimum Block Length	Minimum block length of 120 metres based on the measured distance from centre to centre of controlled intersections AND	Yes (154.5 m)
	85th percentile speed	Minimum 85th percentile speed of 8 km/h over the warranted speed limit OR	Yes (42 km/h)
	95th percentile speed	Minimum 95th percentile speed of 15 km/h over the warranted speed limit	Yes (46 km/h)

Attachment 2: Speed Hump Locations Plan - Carmichael Avenue, between Kelso Avenue and Avenue Road



Attachment 3: Memo from Toronto Paramedic Services, dated April 23, 2025

Temitope Oyeyemi

From: EMS Planning
Sent: April 23, 2025 8:19 AM
To: Temitope Oyeyemi
Cc: Atif Sharif; Jennifer Chung; EMS Planning
Subject: RE: Speed Humps - Carmichael Avenue, between Avenue Road and Kelso Street

We have received and reviewed the proposal for installation of speed humps on Carmichael Avenue, between Avenue Road and Kelso Street, with the following comments:

The installation of speed humps on Carmichael Avenue, between Avenue Road and Kelso Street, will impact response and transport times for residents that reside on the roadway speed humps are installed. Impacts may extend to community members if Carmichael Avenue, between Avenue Road and Kelso Street, serves access to other roadways. It is important that the applicant understands that the installation of traffic calming devices will reduce the speed that emergency vehicles travel when responding to emergencies on roadways where they are installed.

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 neighbourhood, and we endeavour to support the wishes of the community to implement measures to improve upon these components.



From: Temitope Oyeyemi <Temitope.Oyeyemi@toronto.ca>
Sent: April 22, 2025 4:01 PM
To: Chris Bruno <Chris.Bruno@toronto.ca>
Cc: Carmine Vaccaro <Carmine.Vaccaro@toronto.ca>; Joseph Del Vasto <Joseph.DelVasto@toronto.ca>; Atif Sharif <Atif.Sharif@toronto.ca>; Jennifer Chung <Jennifer.Chung@toronto.ca>; EMS Planning <emsplanning@toronto.ca>; Shawn Dartsch <Shawn.Dartsch@toronto.ca>; Shawn Dillon <Shawn.Dillon@toronto.ca>
Subject: Speed Humps - Carmichael Avenue, between Avenue Road and Kelso Street

Hello All,

At the request of Ward 8 Councillor, Deputy Mayor Colle, we investigated the feasibility of installing speed humps on Carmichael Avenue, between Avenue Road and Kelso Street. Our investigation results disclosed that Carmichael Avenue meets the minimum criteria for the installation of speed humps based on the updated City of Toronto Traffic Calming Policy.

The technical warrant and proposed location plan are attached.

At this time, we are requesting for comments from Emergency Service agencies which will be included in a staff report to an upcoming meeting of the North York Community Council. Please, advise if the design and layout of speed humps on Carmichael Avenue, between Avenue Road and Kelso Street, would adversely affect your operations.

Should you have any questions or concerns, please, let me know.

Regards,

Temitope Oyeyemi
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City of Toronto,
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TORONTO Transportation Services