

## **Traffic Calming (Speed Humps) - Steenvale Drive**

**Date:** June 25, 2024

**To:** Scarborough Community Council

**From:** Director, Traffic Management, Transportation Services

**Wards:** Ward 24, Scarborough-Guildwood

### **SUMMARY**

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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 Steenvale Drive, between Confederation Drive and Holmfirth Terrace. Staff's assessment indicates that the criteria as set out in the updated Traffic Calming Policy has been satisfied. Therefore, speed humps should be installed on Steenvale Drive.

### **RECOMMENDATIONS**

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The Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council authorize the installation of speed humps on Steenvale Drive, between Confederation Drive and Holmfirth Terrace.
2. Scarborough Community Council direct the City Solicitor to prepare a by-law to alter the roadway for the installation of six speed humps on Steenvale Drive, between Confederation Drive and Holmfirth Terrace, generally as shown on Attachments 3 and 4, Drawings TC-296 and TC-297 dated May 2024, attached to the report entitled "Traffic Calming (Speed Humps) - Steenvale Drive" from the Director, Traffic Management, Transportation Services.
3. Subject to approval of Recommendations 1 and 2 above, Scarborough Community Council reduce the speed limit from 50 km/h to 30 km/h on Steenvale Drive, between Confederation Drive and Holmfirth Terrace, in conjunction with the installation of speed humps.

## **FINANCIAL IMPACT**

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The estimated cost for installing six speed humps on Hill Crescent is \$24,000.00. Funding would be subject to availability and competing priorities within the Transportation Services 2025 Capital Budget.

## **DECISION HISTORY**

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This report addresses a new initiative.

## **COMMENTS**

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Transportation Services received a request from the Ward Councillor, on behalf of area residents, to investigate the feasibility of installing speed humps on Steenvale Drive, between Confederation Drive and Holmfirth Terrace. The residents are concerned that motorists travel at a high rate of speed on Steenvale Drive.

### **Existing Conditions**

Steenvale Drive is characterized by the following conditions:

- It is a two-lane, north-south, local roadway
- It operates two-way traffic on a pavement width of approximately 8.5 metres
- The daily two-way traffic volume varies from approximately 500 to 600 vehicles
- The speed limit is 50 km/h. Transportation Services advises that the speed limit is planned to be reduced to 30 km/h on this street by 2026+, consistent with Item 2019.IE6.8 (Vision Zero 2.0 – Road Safety Plan Update).
- Heavy trucks are prohibited at all times
- There is no Toronto Transit Commission (TTC) service provided
- There are sidewalks located on both sides of the street

The land use in the area consists of detached and semi detached residential dwellings as well as multi family dwellings. This subject section of Steenvale Drive is not within a designated Community Safety Zone.

A map of the area and proposed locations of the speed humps is included in Attachments 3 and 4.

## Study Results

As part of the assessment of the warrant criteria, two vehicle speed and volume studies were conducted on Steenvale Drive from March 19 to 21, 2024. The results of the studies were evaluated against the warrant criteria for Traffic Calming as adopted by the City Council. The study results on Steenvale Drive are summarized in Table 1.

Table 1: Steenvale Drive Speed and Volume Study Results

Road section	Daily Traffic Volume	85th percentile speed criteria		95th percentile speed criteria	
		Results	Warrant Requirement	Results	Warrant Requirement
Steenvale Drive, between Holmfirth Terrace and Van Allan Road	586	38 km/h	38 km/h	43 km/h	45 km/h
Steenvale Drive, between Van Allan Road and Confederation Drive	501	48 km/h	38 km/h	54 km/h	45 km/h

Based on the study results, both sections of Steenvale Drive, between Confederation Drive and Holmfirth Terrace, have satisfied the warrant criteria for the 85th percentile speeds. Additionally, both blocks are over the minimum 120 metre length requirement.

The overall investigation concluded that the eligibility and warrant criteria outlined in the updated Traffic Calming Policy has been satisfied. Therefore, staff recommend the installation of speed humps on Steenvale Drive.

## Relative Priority and Other Impacts

In the event that the number of approved requests for roadway traffic calming measures exceeds 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. Steenvale Drive, between Confederation Drive and Holmfirth Terrace, scored 39 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 Fire Services responded 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 in Attachment 5. Toronto Paramedic Services have also provided their comments. A copy of their full response is included in Attachment 6. Toronto Police Service has 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**

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Dan Clement, CET, Manager Traffic Operations (Area 1), Transportation Services  
416-397-5021, [Dan.Clement@toronto.ca](mailto:Dan.Clement@toronto.ca)

## **SIGNATURE**

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

## **ATTACHMENTS**

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Attachment 1: Traffic Calming Warrant - Steenvale Drive, between Holmfirth Terrace and Van Allan Road

Attachment 2: Traffic Calming Warrant - Steenvale Drive, between Van Allan Road and Confederation Drive

Attachment 3: Traffic Calming (Speed Humps) Locations Plan - Steenvale Drive, Confederation Drive - Holmfirth Terrace - TC-296 (Matchline, see drawing TC-297)

Attachment 4: Traffic Calming (Speed Humps) Locations Plan - Steenvale Drive, Confederation Drive - Holmfirth Terrace -TC-297

Attachment 5: Letter from Toronto Fire Services, dated April 23, 2024

Attachment 6: Letter from Toronto Paramedic Services, dated April 25, 2024

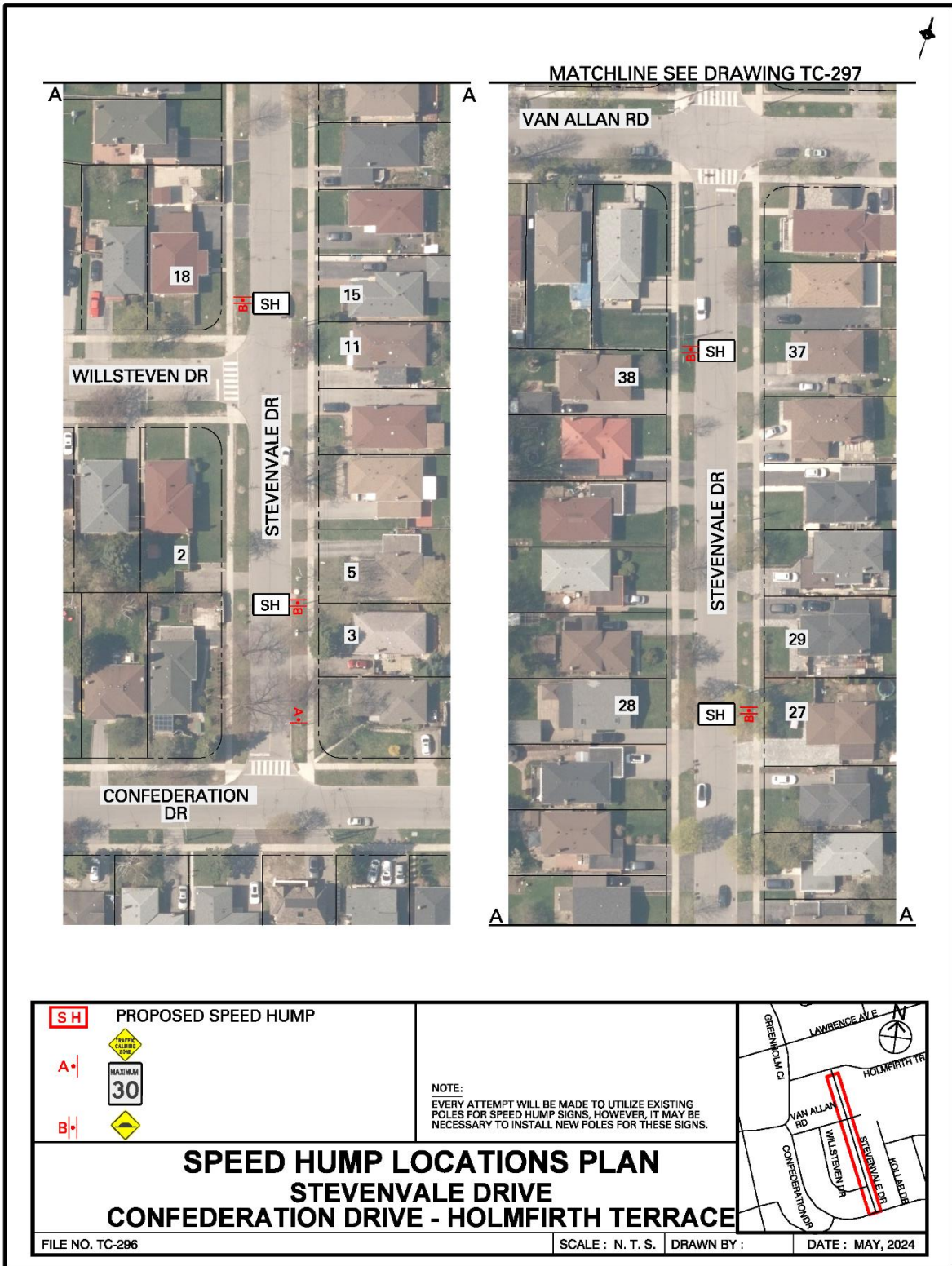
Attachment 1: Traffic Calming Warrant - Steenvale Drive, between Holmfirth Terrace and Van Allan Road

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	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 (180 m)
	85th percentile speed	Minimum 85th percentile speed of 8 km/h over the warranted speed limit OR	Yes (38 km/h)
	95th percentile speed	Minimum 95th percentile speed of 15 km/h over the warranted speed limit	No (43 km/h)

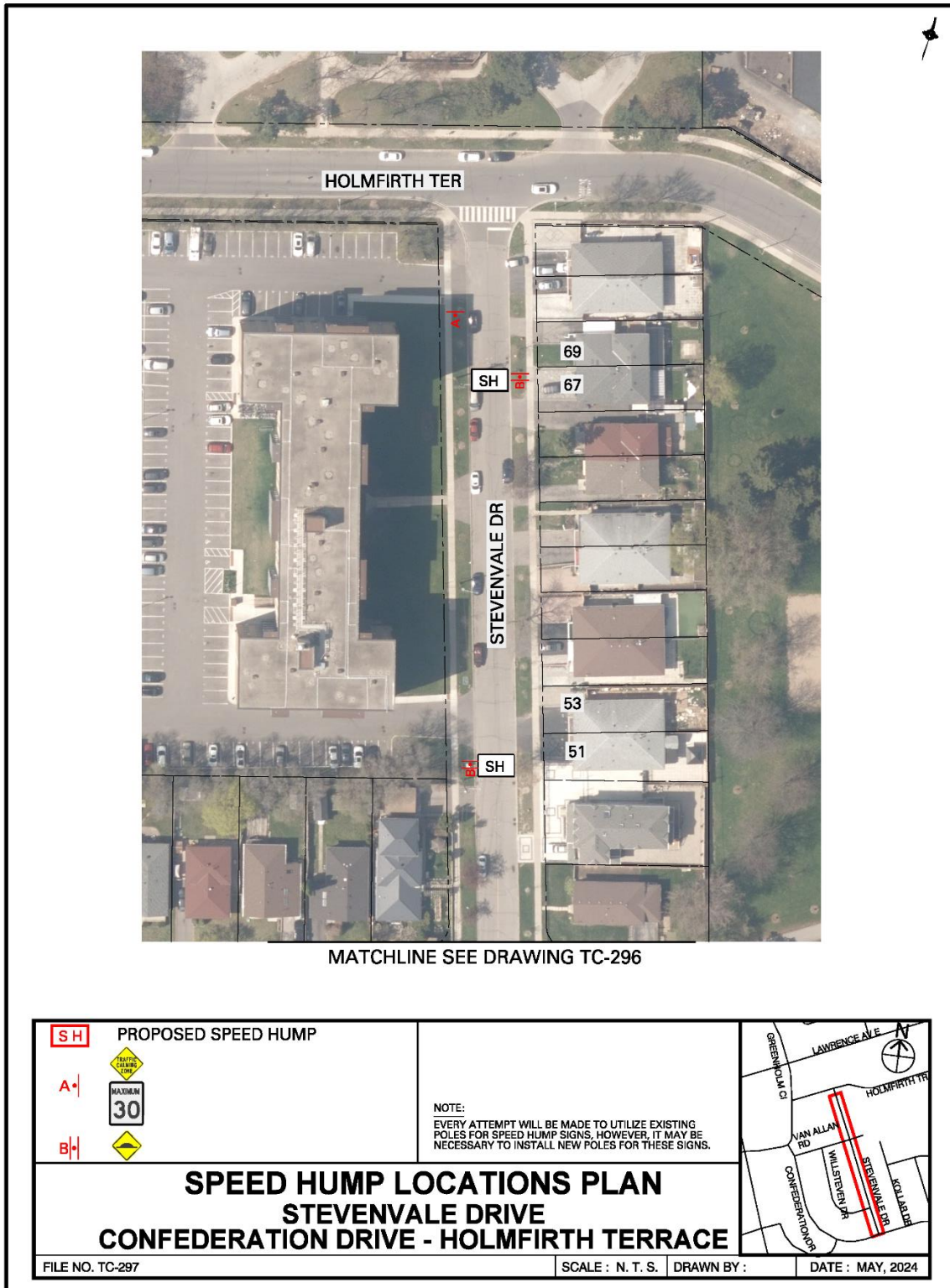
Attachment 2: Traffic Calming Warrant - Steenvale Drive, between Van Allan Road and Confederation Drive

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	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 (310 m)
	85th percentile speed	Minimum 85th percentile speed of 8 km/h over the warranted speed limit OR	Yes (48 km/h)
	95th percentile speed	Minimum 95th percentile speed of 15 km/h over the warranted speed limit	Yes (54 km/h)

Attachment 3: Traffic Calming (Speed Humps) Locations Plan - Stevenvale Drive, Confederation Drive - Holmfirth Terrace - TC-296 (Matchline, see drawing TC-297)



Attachment 4: Traffic Calming (Speed Humps) Locations Plan - Stevenvale Drive, Confederation Drive - Holmfirth Terrace - TC-297



Attachment 5: Letter from Toronto Fire Services, dated April 23, 2024



Matthew Pegg  
Fire Chief and General Manager

Paul Raftis  
Deputy City Manager  
Community & Social Services

Fire Services  
4330 Dufferin Street  
Toronto, Ontario M3H 5R9

Email: [OfficeoftheFireChief@toronto.ca](mailto:OfficeoftheFireChief@toronto.ca)

April 23, 2024

Omar Omar  
Engineering Technologist Tech 1  
City Of Toronto | Transportation Services,  
Traffic Operations – Area 1D  
Scarborough Civic Centre, 2<sup>nd</sup> [Floor](#)

**RE: Location Stevendale Drive between Holmfirth Terrace and Confederation Drive  
Speed Hump Investigative Summary**

We are in receipt of and have reviewed the proposal for installation of traffic calming measures (speed humps) on Location Stevendale Drive between Holmfirth Terrace and Confederation Drive and provide the following comments.

Toronto Fire Services does not support this proposed speed hump installation as it may negatively impact service delivery. The physical restrictions imposed by speed humps have a greater impact on fire vehicles. Response time increases with every obstacle encountered responding to any emergency incident and the cumulative impact of several speed humps can increase responses times.

Toronto Fire Services is supportive of initiatives that improve safety for all citizens of and visitors to the City of Toronto. However, careful consideration must be given to accepting a | delay to emergency response vehicles as a compromise to combat the risks presented by all vehicular traffic. Our recommendation is that non-physical measures be considered and evaluated to determine if desired results can be obtained without imposing a physical obstacle to emergency vehicles.

Regards,

Claudio Gloazzo  
Acting District Chief  
Emergency Planning  
Toronto Fire Services  
City of Toronto  
O-416-338-7708  
C-416-688-0114



## Attachment 6: Letter from Toronto Paramedic Services, dated April 25, 2024

**From:** [Atif Sharif](#)  
**To:** [Omar Omar](#); [Councillor Ainslie CO](#); [Jennifer Paredes](#)  
**Cc:** [Geena Yadav](#); [Meri Newton](#); ["Trafficservices@torontopolice.on.ca"](mailto:Trafficservices@torontopolice.on.ca); [Joseph Del Vasto](#); [Claudio Gloazzo](#)  
**Subject:** RE: Speed Humps - Stevenvale Drive between Holmfirth Terrace and Confederation Drive  
**Date:** April 25, 2024 12:30:02 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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Good afternoon Omar,

We have received and reviewed the proposal for installation of speed humps on Stevenvale Drive between Holmfirth Terrace and Confederation Drive, with the following comments:

Stevenvale Drive appears to primarily service the residents that reside on the roadway and would not impact response times for other community members. It is important that the applicant understand 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.

Many Thanks,

Atif Sharif  
A/Commander - Policy, Projects & Process Improvement  
Office of the Chief  
Toronto Paramedic Services  
Tel: 416-397-7493

