

## **Traffic Calming (Speed Humps) - Sandford Avenue**

**Date:** December 7, 2018  
**To:** Toronto and East York Community Council  
**From:** Acting Director, Traffic Management, Transportation Services  
**Wards:** Ward 14, Toronto - Danforth

### **SUMMARY**

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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, specifically speed humps, on Sandford Avenue, between Greenwood Avenue and Prust 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. Therefore, traffic calming should not be installed on Sandford Avenue.

### **RECOMMENDATIONS**

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

1. Toronto and East York Community Council not authorize the installation of traffic calming (speed humps) on Sandford Avenue, between Greenwood Avenue and Prust Avenue.

### **FINANCIAL IMPACT**

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There is no financial impact resulting from the adoption of the recommendation in this report.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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### Existing Conditions

Sandford Avenue, between Greenwood Avenue and Prust Avenue, is a local road that operates with one-way eastbound traffic. It has a posted speed limit of 30 km/h and a daily one-way traffic volume of about 408 vehicles. The pavement width on Sandford Avenue is about 7.3 metres and there are sidewalks provided on both sides. There is no TTC service provided on Sandford Avenue.

### Analysis

Transportation Services conducted three days of mid-block speed and volume studies on Sandford Avenue, between Greenwood Avenue and Prust Avenue, in September 2018. It should be noted that the study is based on the warranted speed limit of 40 km/h.

The study findings were assessed against the City of Toronto's Traffic Calming Policy and it was found that Sandford Avenue, between Greenwood Avenue and Prust Avenue, does not satisfy the installation criteria for traffic calming devices.

The warrant was not met based on the following criteria:

- Speed: The operating speeds of 38 km/h is less than the required minimum of 10 km/h over the warranted speed limit to satisfy the traffic calming installation criteria.
- Volume: The average daily traffic volume recorded was 408 vehicles. This is below the minimum of 1,000 vehicles per day needed to satisfy the traffic calming installation criteria

Therefore, the installation of traffic calming on Sandford Avenue, between Greenwood Avenue and Prust Avenue, is not warranted. A review of Toronto Police Services collision records for a three-year period ending December 31, 2017 did not disclose any reported collisions on Sandford Avenue attributed to speeding. Appendix A entitled "Traffic Calming Warrant Criteria" outlines the results of our assessment for Sandford Avenue, between Greenwood Avenue and Prust Avenue.

### Alternate Recommendations

If, despite the findings above, Toronto and East York Community Council determines that installing speed humps on Sandford Avenue, between Greenwood Avenue and Prust Avenue, would be beneficial, it may approve the following:

"That the Toronto and East York Community Council direct:

1. The Acting Director of Traffic Management, Transportation Services, request the City Clerk to poll eligible householders on Sandford Avenue, between Greenwood Avenue and Prust 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 Sandford Avenue, between Greenwood Avenue and Prust Avenue, for traffic calming purposes, generally as shown on the copy of Drawing No. 421G-3246, dated December 2018, attached to the report entitled 'Traffic Calming (Speed Humps) - Sandford Avenue', from the Acting Director, Traffic Management, Transportation Services."

The estimated cost for installing three speed humps on Sandford Avenue is \$12,000. The installation of speed humps on Sandford Avenue would be subject to availability in Transportation Services 2019 Capital Funding estimates 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 Sandford Avenue, between Greenwood Avenue and Prust Avenue, be formally polled. A minimum response of 50 percent plus one ballot is required (25 percent in Community Safety Zone), 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 outlined above, Transportation Services would request a poll of eligible residents on Sandford Avenue, between Greenwood Avenue and Prust 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. Sandford Avenue, between Greenwood Avenue and Prust Avenue, scored five 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 (Toronto Police Services, 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. Comments have not yet been received from Toronto Police Services, Toronto Paramedic Services and Toronto Fire Services.

Councillor Paula Fletcher has been advised of the recommendation in this staff report.

## **CONTACT**

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## **SIGNATURE**

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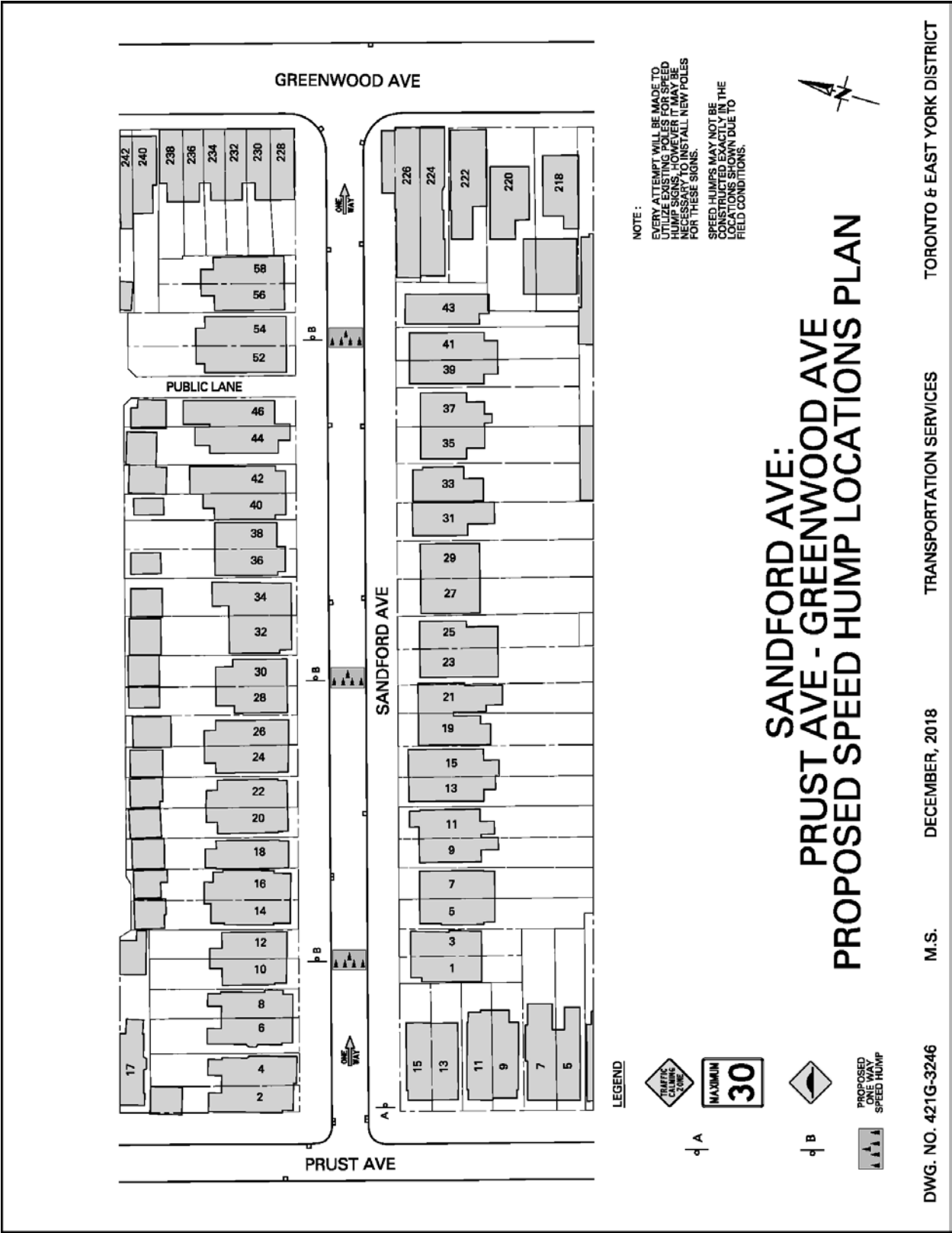
Roger Browne, P.Eng., M.Eng.  
Acting Director, Traffic Management  
Transportation Services

## **ATTACHMENTS**

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1. Drawing No. 421G-3246, dated December 2018
2. Appendix A - Traffic Calming Warrant Criteria

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## Traffic Calming Warrant Criteria

Location: Sandford Avenue between Greenwood Avenue and Prust Avenue

| Warrant                                                        | Criterion                                                  | Requirement                                                                                                                                                                                                                                                                                                                                                                                |                                                                               | Met/Not Met                                                                                                                             |
|----------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Warrant 1<br>Petition                                          | 1.1<br>Petition                                            | A petition requesting traffic calming must be signed by at least 25% of households on the street.<br><br>OR<br><br>A direct request from the Ward Councillor.<br><br>Warrants #2 and #3 will not be considered until Warrant #1 is satisfied.                                                                                                                                              |                                                                               | Met – Request to Investigate by Councilor Fletcher (SR# 9048043)                                                                        |
| Impacts to Adjacent Streets                                    |                                                            | No significant traffic impacts on adjacent streets                                                                                                                                                                                                                                                                                                                                         |                                                                               | Met – There should be no traffic spill-over to adjacent streets                                                                         |
| Warrant 2                                                      | 2.1<br>Sidewalks                                           | Continuous sidewalks on at least one side of the street (both sides for collector streets or higher classification).<br><br>OR<br><br>Where there are no sidewalks, the installation of sidewalk on at least one side of the street must have first been considered.                                                                                                                       |                                                                               | Met – There are sidewalks present on both sides of the road                                                                             |
| Safety Requirements                                            | 2.2<br>Road Grade                                          | Road grade 5% or less<br><br>OR<br><br>Between 5% and 8% road grade may be considered. Investigation must determine installation to be safe.                                                                                                                                                                                                                                               |                                                                               | Met – The road grade on Sandford Avenue is less than 5%                                                                                 |
| (all three criteria must be fulfilled to satisfy this Warrant) | 2.3<br>Emergency Response                                  | No significant impacts on Emergency Services - as determined in consultation with Emergency Services (Fire, Ambulance and Police) staff.                                                                                                                                                                                                                                                   |                                                                               | Comments requested from Police, Fire and Paramedic Services.                                                                            |
| Warrant 3                                                      | 3.1<br>Minimum Speed                                       | 85 <sup>th</sup> 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.<br><br>OR<br><br>On streets where the 85 <sup>th</sup> 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. |                                                                               | Not Met – Speed studies on Sandford Avenue show 85 <sup>th</sup> percentile speeds of 38 km/h from Greenwood Avenue to Sandford Avenue. |
| Technical Requirements                                         | 3.2<br>Min. and Max. traffic Volume                        | Local Roads<br><br>Traffic volume between 1,000 Veh/day and 8,000 Veh/day                                                                                                                                                                                                                                                                                                                  | Collector Roads<br><br>Traffic volume between 2,500 Veh/day and 8,000 Veh/day | Not Met – Local road with approximately 408 vehicles total daily volume                                                                 |
| (all four criteria must be fulfilled to satisfy this warrant)  | 3.3<br>Minimum Street Segment Length between stop controls | Street segment length must exceed 120 metres between stop controls (signals or stop signs)                                                                                                                                                                                                                                                                                                 |                                                                               | Met – Sandford Avenue, between Greenwood Avenue and Prust Avenue is about 200 metres in length                                          |
|                                                                | 3.4<br>Transit Service                                     | Impacts on regularly scheduled Toronto Transit Commission (TTC) services will not be significant (as determined in consultation with TTC staff)                                                                                                                                                                                                                                            |                                                                               | Met – No TTC service on Sandford Avenue                                                                                                 |