

## **All-Way Stop Control - Eglerslie Avenue and Tamworth Road**

**Date:** December 18, 2019  
**To:** North York Community Council  
**From:** Acting Director, Traffic Management, Transportation Services  
**Wards:** Ward 18, Willowdale

### **SUMMARY**

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This staff report is about a matter for which 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 is requesting North York Community Council to authorize the installation of all-way stop control at the intersection of Eglerslie Avenue and Tamworth Road.

The installation of an all-way stop control is justified at the intersection of Eglerslie Avenue and Tamworth Road, which will establish the right-of-way and enhance pedestrian and vehicular safety at this intersection.

### **RECOMMENDATIONS**

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The Acting Director, Traffic Management, Transportation Services, recommends that North York Community Council:

1. Authorize all-way stop control at the intersection of Eglerslie Avenue and Tamworth Road.

### **FINANCIAL IMPACT**

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All costs associated with the necessary sign and pavement marking installations are included within the Transportation Services 2020 Interim Operating Budget.

## DECISION HISTORY

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This report addresses a new initiative.

## COMMENTS

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Transportation Services was requested by a local resident to review the need for all-way stop control at the intersection of Ellerslie Avenue and Tamworth Road.

Tamworth Road is a two-lane collector street located in the residential community to the south of Finch Avenue West and immediately west of Beecroft Road. Tamworth Road has a pavement width of approximately 8.5 metres and a regulatory speed limit of 50 km/h. It has a daily two-way traffic volume of approximately 2,500 vehicles. There is a sidewalk on the east side of the street.

Ellerslie Avenue is a two-lane local street with a pavement width of approximately 8.5 metres and a daily two-way traffic volume of approximately 925 vehicles. A sidewalk is provided on the south side of the street. The posted speed limit is 40 km/h on the section of Ellerslie Avenue between Senlac Road and Tamworth Road. The remainder of the road has a regulatory 50 km/h speed limit. Heavy trucks are prohibited at all times and there is no TTC service provided on either of these streets.

Currently, north-south traffic on Tamworth Road is free-flow and east-west traffic on Ellerslie Avenue is stop controlled. An all-way stop control currently exists to the north of this intersection at Tamworth Road and Churchill Avenue as well as south of the intersection at Tamworth Road and Park Home Avenue.

The flankage of Willowdale Middle School is located on Ellerslie Avenue, approximately 480 metres west of Tamworth Road. Dempsey Park is located on the south side of Ellerslie Avenue, approximately 42 metres east of Tamworth Road. Ellerslie Avenue, between Tamworth Road and Senlac Road, has been designated as a Community Safety Zone.

A review of Toronto Police Service collision records for the three-year period ending June 30, 2019, revealed that no collisions have been reported at the intersection of Ellerslie Avenue and Tamworth Road of a type susceptible to correction by the installation of an all-way stop control.

The intersection of Ellerslie Avenue and Tamworth Road was evaluated against the warrants for all-way stop control sign adopted by City Council. The warrant consists of four components – collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

The studies were conducted on November 5, 2019 and November 26, 2019 during the a.m. and p.m. peak hours respectively and the collision history at the intersection was reviewed. The results of the warrant analysis are summarized in the following table:

Table 1: All-Way Stop Control Warrant Criteria at Eglerslie Avenue and Tamworth Road

Warrant Criteria		Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions	0	9	No
B1	Average Vehicle Volume	247/hr	375/hr	No
B2	Combined Vehicle & Pedestrian Volume Crossing Major Street (Average) ***	173/hr	150/hr	Yes
B3	Percentage of Traffic on Major Street***	51%	≤ 70%	Yes
Overall Warrant				Yes

\*\*\* New Pedestrian Warrant numbers used as adopted by City Council on July 16, 2019 in the Vision Zero 2.0 report

In order for the all-way stop control to be technically warranted, either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be met. Based on the study results shown in the table above, the technical warrants for the installation of all-way stop sign control are met at the intersection of Eglerslie Avenue and Tamworth Road. Therefore, it is recommended that all-way stop control be implemented at this intersection.

The Ward Councillor has been advised of the recommendation of this staff report.

## CONTACT

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## SIGNATURE

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

## ATTACHMENTS

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Attachment 1: Map - All-Way Stop Control - Eglerslie Avenue and Tamworth Road

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