

All-Way Stop Control - Carmichael Avenue and Falkirk Street

Date: January 10, 2019
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, 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 Carmichael Avenue and Falkirk Street.

The installation of all-way stop control is justified and will clearly establish the right-of-way and enhance pedestrian and vehicular safety at this intersection.

RECOMMENDATIONS

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

1. Authorize all-way stop control at the intersection of Carmichael Avenue and Falkirk Street.

FINANCIAL IMPACT

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

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by an area resident to review the need for all-way stop control at the intersection of Carmichael Avenue and Falkirk Street.

Carmichael Avenue is an 8.5 metres wide east-west local street that operates free-flow at the intersection with Falkirk Street in the residential community east of Bathurst Street and south of Wilson Avenue. Falkirk Street is an 8.5 metre wide north-south local street that is stop controlled at the intersection. Sidewalks are provided on the south side of Carmichael Avenue and both streets have a speed limit of 40 km/h.

A review of the Toronto Police Service collision records for the three-year period ending October 31, 2019, revealed that one collision was reported at the intersection of Carmichael Avenue and Falkirk Street. This collision was of a type susceptible to correction by the installation of all-way stop control. The collision did not involve a pedestrian.

The intersection of Carmichael Avenue and Falkirk Street was evaluated against the warrants for all-way stop control adopted by City Council. The warrant consists of four components: collision history, vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

The study was conducted on September 25, 2019 during the a.m. and p.m. peak periods, 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 at Carmichael Avenue and Falkirk Street

	Warrant Criteria	Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions	1	6	No
B1	Average Vehicle Volumes	212/hr	250/hr	No
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Street (Average) ***	114/hr	100/hr	Yes
B3	Percentage of Traffic on Major Street***	48%	≤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, all-way stop control is warranted. Therefore, all-way stop control at the intersection of Carmichael Avenue and Falkirk Street is recommended.

The Ward Councillor has been advised of the recommendation 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 - Proposed All-Way Stop Control - Carmichael Avenue and Falkirk Street

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