

All-Way Stop Control - Kelso Avenue and Burncrest Drive/Ridley Boulevard

Date: January 31, 2020

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 Kelso Avenue and Burncrest Drive/Ridley Boulevard.

The installation of an all-way stop control is justified at the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard and recommended to 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:

1. North York Community Council authorize all-way stop control at the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard.

FINANCIAL IMPACT

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

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Transportation Services was requested by Councillor Mike Colle, on behalf of local residents, to review the need for all-way stop control at the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard.

Kelso Avenue is an 8.5 metre wide local street that operates free flow at the intersection with Burncrest Drive/Ridley Boulevard. Burncrest Drive/Ridley Boulevard are 8.5 metre wide local streets that are stop controlled at their off-set intersection with the west and east sides of Kelso Avenue, respectively. These streets have posted speed limits of 40 km/h. The existing land use within the immediate area of the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard is primarily residential. Traffic control signals exist 83 metres north of the intersection at Wilson Avenue.

A review of the Toronto Police Service collision records for the three-year period ending August 31, 2019, revealed no collisions were reported at the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard.

The intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard was evaluated against the warrants for all-way stop control as adopted by City Council. The warrant consists of four components – collision history, vehicle volume, combined vehicle and pedestrian volumes crossing the major street and the percentage of traffic on the major street.

The study was conducted on January 15, 2020 during a.m. and p.m. peak periods and the collision history was reviewed. The results of the warrant analysis are summarized in the following table:

Table 1: All-Way Stop Control at Kelso Avenue and Burncrest Drive/Ridley Boulevard

	Warrant Criteria	Actual	Required	Satisfied (YES/NO)
A	Number of Potentially Preventable Collisions	0	6	No
B1	Average Vehicle Volumes	301/hr	250/hr	Yes
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Street (Average)***	114/hr	100/hr	Yes
B3	Percentage of traffic on major street***	66%	≤70%	Yes
	Overall Warrant			Yes

*** New Pedestrian Warrant criteria 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 technically warranted at the intersection. Therefore, it is recommended that all-way stop control be implemented at the intersection of Kelso Avenue and Burncrest Drive/Ridley Boulevard.

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 - All-Way Stop Sign Control - Kelso Avenue and Burncrest Drive/Ridley Boulevard

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