

All-Way Stop Control – Dunkirk Road and Binswood Avenue

Date: October 7, 2016
To: Toronto and East York Community Council
From: Acting Director, Transportation Services, Toronto and East York District
Wards: Ward 31, Beaches-East York

SUMMARY

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 is requesting Community Council deny the installation of an all-way stop control at the intersection of Dunkirk Road and Binswood Avenue. Based on staff's investigation, the installation of the all-way stop control is not warranted.

RECOMMENDATIONS

The Acting Director, Transportation Services, Toronto and East York District recommends that:

1. Toronto and East York Community Council deny the installation of all-way stop control at Dunkirk Road and Binswood Avenue.

FINANCIAL IMPACT

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

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

Dunkirk Avenue is a local roadway with a pavement width of about 8 meters and a regulatory speed limit of 50 km/h. The daily two-way traffic volume on Dunkirk Avenue is about 500 vehicles. Binswood Avenue is stop controlled at its intersection with Dunkirk Road and operates two-way traffic, north of the intersection and one-way northbound, south of the intersection. Binswood Avenue is a local roadway with a pavement width of about 9.1 meters and a posted speed limit of 30 km/h. The daily two-way traffic volume on Binswood Avenue is about 400 vehicles. There is no TTC service provided at this intersection.

In order for an all-way stop control to be justified at an intersection, established warrant criteria must be satisfied. The criteria, as adopted by City Council, include such factors as collision history, total vehicle volume, combined vehicle and pedestrian volumes crossing the major road and the percentage of traffic on the major road.

Transportation Services evaluated the intersection of Dunkirk Road and Binswood Avenue and applied the results of the vehicle and pedestrian study and the collision records of the Toronto Police Service to the all-way stop control criteria. Based on the review, this intersection did not meet the minimum criteria required for all-way stop control.

A review of the Toronto Police Service collision records over a three-year period ending December 31, 2015, reported no collision at this intersection.

The results of the all-way stop control warrant study at the intersection of Dunkirk Road and Binswood Avenue have been summarized in the following table:

Minimum Vehicle Volume (Each of Four Peak Hours)	Combined Crossing Volume (Vehicles & Pedestrians)	Main Street/Side-Street Volume Split (<70%/30%)	Collision Hazard (≥2/yr.)	All-Way Stop Warrants Satisfied (Yes/No)
Required: 250 Vehicles/Hour Actual: 60 Vehicles/Hour	Required: 100 Units/Hour Actual: 36 Units/Hour	47% / 53%	0	No

Based on the low volume of vehicles and pedestrians entering the intersection, and the lack of collisions, the installation of an all-way stop control at the subject intersection is not supported by the technical criteria adopted by Toronto City Council and not recommended.

Councillor Janet Davis has been advised of the recommendations of this staff report.

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SIGNATURE

Dave Twaddle, C.E.T.
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Toronto and East York District

ATTACHMENTS

1. Drawing No. 421G- 2291, dated October 2016

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