

All-Way Stop Control - Antibes Drive (north/south segment) at Antibes Drive (eastbound one-way segment)

Date: September 15, 2017

To: North York Community Council

From: Acting Director, Transportation Services, North York District

Wards: Ward 10 - York Centre

SUMMARY

As the Toronto Transit Commission (TTC) operates bus service on Antibes Drive, City Council approval of this report is required.

Transportation Services was requested to review the need for all-way stop control at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment).

The installation of an all-way stop control is not warranted at this location as the combined vehicle and pedestrian volumes crossing the major street are insufficient to warrant the installation of an all-way stop control. Additionally, there is an all-way stop controlled intersection located on Antibes Drive in close proximity to this intersection.

RECOMMENDATIONS

The Acting Director, Transportation Services, North York District recommends that:

1. City Council deny the installation of an all-way stop control at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment).

FINANCIAL IMPACT

There are no financial implications to this report. However, should North York Community Council overturn staff's recommendation, the installation of the all-way stop control at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment), including required pedestrian ramps, are estimated at \$5,000.00 and will be included within the Transportation Services 2017 Operating Budget.

DECISION HISTORY

This report addresses a new initiative.

COMMENTS

In response to a request from Councillor James Pasternak, Transportation Services reviewed the need for all-way stop control at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment).

Antibes Drive is a collector street with a regulatory speed limit of 50 km/h. Municipal sidewalks are provided on both sides of the street. TTC service on Antibes Drive is provided by the 125 Drewry bus.

West of Bathurst Street, Antibes Drive runs east-west and the eastbound and westbound lanes are separated by a median that widens at the west end. Both sections intersect the east side of the north-south segment of Antibes Drive in two separate, "T" type intersections. The distance between these two intersections is approximately 40 metres. The north intersection includes the one-way westbound section of Antibes Drive and is controlled by all-way stop signs. The south intersection includes the one-way eastbound section of Antibes Drive and is uncontrolled.

Don Lake Parkette is located between the eastbound and westbound section of Antibes Drive. On the west side of the road, opposite the two 'T' type intersections on Antibes Drive, are the Antibes Community Centre and an apartment building.

A review of Toronto Police Service collision records for the three-year period ending June 30, 2017, revealed that one collision has been reported at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment) of a type susceptible to correction by the installation of an all-way stop control.

In order for all-way stop control to be technically justified the warrant criteria adopted by City Council must be satisfied. The criteria include 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 applied the warrant criteria against vehicle and pedestrian studies undertaken in September 2017 and the collision history at the intersection of Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment). The results are summarized below:

Table 1: Warrant Analysis for All-Way Stop at Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment). (September 11, 2017)

Antibes Drive (north/south segment) & Antibes Drive (eastbound one way segment)		Actual	Required	Satisfied (Yes/No)
A	Collision History	1/3 yrs	9/3 yrs	No
B1	Total Vehicle Volumes	447	375/avg hr	Yes
B2	Combined Vehicle & Pedestrian Volumes Crossing Major Road	90	150/avg hr	No
B3	Percentage of Traffic on Major Road	83	≤70	No
	Overall Warrant			No

In order for all-way stop control to be justified either Warrant A must be met or Warrants B1 or B2 combined with Warrant B3 must be met. Our study results indicate an all-way stop control is not justified.

Motorists and pedestrians sightlines were found to be clear and unobstructed for all approaches. Additionally, to enhance the pedestrian environment in this area, pedestrian crossing lines with 'zebra' markings have recently been installed at the following locations:

- on the west leg of the intersection of Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment); and
- on all legs of the intersection of Antibes Drive (north/south segment) and Antibes Drive (westbound one-way segment).

The Ward Councillor is aware of the recommendations in this staff report.

CONTACT

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SIGNATURE

Peter K. Hillier
Acting Director

ATTACHMENTS

Attachment 1: Map - Requested All-Way Stop Control - Antibes Drive (north/south segment) and Antibes Drive (eastbound one-way segment).