

Road Alteration - Antibes Drive (north-south segment)

Date: August 13, 2019

To: North York Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 6 - 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 is requesting City Council to approve the road alteration on Antibes Drive (north-south segment), south of Antibes Drive (eastbound one-way segment). The road alteration will construct a modular traffic island and will enhance the pedestrian safety at the intersection by narrowing the north-south lanes.

City Council have previously directed Transportation Services to investigate various alternative measures for enhancing pedestrian safety, including a follow-up review of all-way stop control, installation of warning signs, flashing beacons and narrowing of north-south lanes at this intersection.

The assessment has indicated that the proposed road alteration is feasible to discourage higher operating speed by north-south motorists and will not interrupt the flow of two-way traffic at this intersection.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that City Council:

1. Approve the road alteration by construction of modular traffic island on the west side of Antibes Drive (north-south segment), between a point 7.5 metres south of Antibes Drive (eastbound one-way segment) and a point 4.3 metres further south, generally as shown in the attached drawing no. NYRD19-0039, dated August 2019.

FINANCIAL IMPACT

All costs associated with the installation of modular traffic island and necessary signage installation are included within the Transportation Services 2019 Operating Budget.

DECISION HISTORY

City Council, at its meeting on November 7, 8 and 9, 2017, directed Transportation Services to work with Parks, Forestry and Recreation to assess the pedestrian flows from the Antibes Community Centre to Antibes Drive to inform the all-way stop review and to report back to North York Community Council. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2017.NY25.12>

City Council, at its meeting on April 24, 25 and 26, 2018, approved the installation of weekend parking on one side of the street in two separate sections of Antibes Drive. This parking provides on-street parking opportunities for the Antibes Community Centre. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.NY29.14>

City Council, at its meeting on May 22, 23 and 24, 2018, directed Transportation Services to review and report back to the June 26, 2018 meeting of City Council on various safety crossing options including pavement markings, warning signage and flashing beacons. The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.NY30.9>

City Council, at its meeting on July 23, 2018, received a staff report from the General Manager, Transportation Services wherein City staff agreed to assess a feasibility of providing the following alternative measures for the enhancement of pedestrian safety at this intersection:

- Follow-up review of all-way stop control at this intersection;
- Installation of warning signs;
- Flashing beacon; and
- Narrowing of the north-south lanes on Antibes Drive.

The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2018.CC44.31>

COMMENTS

In order to report back on the pedestrian safety concerns addressed in the previous report to City Council (Item CC44.31) "Safety Enhancements – Antibes Drive (north-south segment) at Antibes Drive (eastbound one-way segment)", Transportation Services has reviewed the feasibility of providing various alternative measure at the intersection.

Antibes Community Centre is located at no.140 Antibes Drive on the west side of the street. It has a driveway access approximately four metres north of Antibes Drive (eastbound one-way segment). The driveway access of Antibes Community Centre and Antibes Drive (eastbound one-way segment) is a near-right offset intersection with Antibes Drive (north-south segment).

The subject intersection of Antibes Drive is an uncontrolled intersection. The existing pavement width of the north-south segment is approximately 8.5 metres for two-way traffic with a regulatory speed limit of 50 km/h.

Currently, the adjacent intersection of Antibes Drive (north-south segment) and Antibes Drive (westbound one-way segment) is operating as all-way stop control and is located approximately 40 metres north of the subject intersection.

The existing parking condition allows parking during the weekend only, between a point 15.4 metres south of Antibes Drive (eastbound one-way segment) and a point 45 metres further south. Parking is otherwise prohibited at all times on both sides of Antibes Drive (north-south segment).

An updated collision review of Toronto Police Service records at this intersection disclosed two reported collisions over a three-year period ending September 1, 2018. None involved a pedestrian and one collision involved a cyclist. This collision was considered to be potentially preventable by the installation of all-way stop control.

The following summarizes the results of the review by Transportation Services on various safety concerns for pedestrian crossing at the intersection of Antibes Drive (north-south segment) at Antibes Drive (eastbound one-way segment).

Follow-up review of all-way stop control in one year

In order to reassess the all-way stop condition, follow-up studies were conducted in March 2019 during a.m. and p.m. peak periods on this intersection.

The results of the all-way stop studies at this intersection conducted in both 2017 and 2019 confirmed that the 'Collision History', 'Combined Vehicle and Pedestrian Volume Crossing the Major Road' and 'Percentage of Traffic on Major Road' are not exceeding the required threshold and do not satisfy the overall warrant condition of all-way stop sign control.

A comparison of 2017 and 2019 total intersection volumes disclosed 436 and 501 north-south motorists and 79 and 41 east-west pedestrian traffic per hour recorded crossing Antibes Drive (north-south segment), respectively. Sight lines are clear and no conflicting situations between pedestrians and motorists were observed. Overall traffic conditions have generally remained consistent at this intersection.

Signage

A site visit was conducted by Transportation Services staff on April 10, 2019 to investigate the existing road conditions and to review existing signage on Antibes Drive (north-south segment).

In order to enhance the safety of east-west pedestrians crossing Antibes Drive, a warning sign of pedestrian ahead is installed on the east side of Antibes Drive (north-south segment) at approximately 67 meters south of Antibes Drive (eastbound one-way segment). This warning sign was installed to assist northbound motorists advising of the east-west pedestrian activity on the street.

A curve warning sign with a 30 km/h advisory speed tab is installed at approximately 15.4 metres south of Antibes Drive (eastbound one-way segment) to assist southbound motorists in advance of the curve.

Additionally, "No Parking, Monday to Friday" signs are also installed on the west side of the road.

Flashing Beacon

As indicated in the staff report considered by City Council (Item CC44.31) on July 23, 2018, the installation of an amber flashing beacon on the subject uncontrolled intersection is not recommended as it is located only 40 metres south of the all-way stop controlled intersection. This amber beacon may result in non-compliance of the existing all-way stop sign by the motorists at Antibes Drive (north-south segment) and Antibes Drive (westbound one-way segment). Therefore, the installation of a flashing beacon is not supported at the subject intersection.

Narrowing of the north-south lanes

Field observations during all-way stop study periods disclosed that the south leg of Antibes Drive (north-south segment) has depressed pedestrian curbs on both sides of the road and provides convenient access for pedestrians to and from the Antibes Community Centre. Additionally, a moderate demand of east-west pedestrian crossings and relatively higher volume of traffic in the north-south direction have been observed during the study periods.

In order to improve the existing traffic condition and to adequately address the safety concerns of pedestrian crossings on the subject uncontrolled intersection, Transportation Services can support the narrowing of north-south lane by the installation of modular traffic island (1.58 metres wide and 4.3 metres long) on the west side of Antibes Drive (north-south segment) at approximately 7.5 metres south of

Antibes Drive (eastbound one-way segment). The location of the traffic island will not affect the function of catch basins and will encourage slower operating speed by north-south motorists.

The proposed road alteration will reduce the pavement width of Antibes Drive (north-south segment) from 8.5 metres to approximately 6.5 metres and will not result in the loss of any parking spaces on Antibes Drive (north-south segment).

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

CONTACT

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SIGNATURE

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Acting Director, Traffic Management, Transportation Services

ATTACHMENTS

Attachment 1: Map - Proposed Road Alteration Plan on Antibes Drive (north-south segment) at Antibes Drive (eastbound one-way segment).

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