



**STAFF REPORT
ACTION REQUIRED**

**All-Way Stop Control – Intersections of Dixon Avenue
with Brookmount Road and Rainsford Road**

Date:	July 9, 2010
To:	Toronto and East York Community Council
From:	Director, Transportation Services Toronto and East York District
Wards:	Beaches-East York, Ward 32
Reference Number:	Ts10108te.top.doc

SUMMARY

This report is about a matter for which Community Council has delegated authority from City Council to make a final decision.

Transportation Services has been requested by Councillor Sandra Bussin to report to Toronto and East York Community Council on implementing all-way stop control at the intersections of Dixon Avenue with Brookmount Road and Rainsford Road.

The results of traffic studies undertaken at both intersections indicate that the installation criteria for all-way stop control have not been satisfied.

RECOMMENDATION

Transportation Services recommends that Toronto and East York Community Council:

1. Not install stop signs for eastbound traffic on Dixon Avenue at Brookmount Road and at Rainsford Road.

FINANCIAL IMPACT

There are no financial impacts associated with this report. Should Toronto and East York Community Council decide that the intersections of Dixon Avenue with Brookmount Road and Rainsford Avenue would benefit from the installation of all-way stop control, the total cost to install stop signs would be approximately \$500.00 and is available within the Transportation Services Division 2010 Operating Budget.

ISSUE BACKGROUND

At the request of Councillor Sandra Bussin, Transportation Services staff investigated the need for all-way stop control at the intersections of Dixon Avenue with Brookmount Road and Rainsford Road.

COMMENTS

Dixon Avenue, at the intersections with Brookmount Road and Rainsford Road, is a 7.3 metre wide, one-way eastbound local roadway with a 40 km/h speed limit. Brookmount Road and Rainsford Road are both 7.3 metre wide, two-way, north/south local roads with a 40 km/h speed limit. Both roadways are stop controlled at their intersection with Dixon Avenue. There is no TTC service on Dixon Avenue, Brookmount Road or Rainsford Road.

A review of the Toronto Police Service collision records for the three-year period ending March 31, 2010 revealed that one collision was reported at the intersection of Dixon Avenue and Rainsford Road. The collision involved an eastbound motorist being rear-ended by another eastbound motorist. Neither motorist was injured or charged with a driving infraction. No collisions were reported at the intersection of Dixon Avenue and Brookmount Road during the above time period.

In order for 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 right-of-way conflicts, collision history, vehicular and pedestrian usage of the intersection.

Transportation Services has applied the results of vehicle/pedestrian counts conducted at the intersections and the collision records of the Toronto Police Service to the all-way stop installation criteria. The results are as follows:

- Average total approach volume per peak hour (minimum of 250 vehicles required)
 - Dixon Avenue and Brookmount Road – 90 vehicles
 - Dixon Avenue and Rainsford Road – 90 vehicles;
- Average combined vehicle and pedestrian volume crossing major road per peak hour (minimum of 100 vehicles required)
 - Dixon Avenue and Brookmount Road – 87 vehicles
 - Dixon Avenue and Rainsford Road – 80 vehicles; and
- Collision history (minimum 2 collisions of the type potentially preventable by all-way stop control, per year for most recent three-year period, required)
 - Dixon Avenue and Brookmount Road – 0 collisions
 - Dixon Avenue and Rainsford Road – 0 collisions

Based on the above, all-way stop control is not warranted at the intersections of Dixon Avenue with Brookmount Road and Rainsford Road.

Alternate Recommendations

Dixon Avenue is designated as through highway (a roadway which cannot be stop sign controlled) from the east side of Kingston Road to the west side of Woodbine Avenue. Should the intersections of Dixon Avenue with Brookmount Road and Rainsford Road become all-way stop controlled, the through highway designation of Dixon Avenue must be removed. Also, all existing streets intersecting with Dixon Avenue would require individual by-laws enacted for stop control.

Therefore, should Toronto and East York Community Council decide that the intersections of Dixon Avenue with Brookmount Road and Rainsford Road would benefit from the installation of all-way stop control it will be necessary to recommend that Toronto and East York Community Council:

1. Rescind the designation of Dixon Avenue , from the east side of Kingston Road to the west side of Woodbine Avenue, as a through highway.
2. Designate stop control as follows:
 - a. Dixon Avenue eastbound at Brookmount Road;
 - b. Dixon Avenue eastbound at Rainsford Road;
 - c. Brookmount Road northbound and southbound at Dixon Avenue.
 - d. Rainsford Road northbound and southbound at Dixon Avenue; and
 - e. Lockwood Road northbound at Dixon Avenue.

CONTACT

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SIGNATURE

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ATTACHMENT

Drawing No. 421G-0077, dated June 2010

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