



**STAFF REPORT  
ACTION REQUIRED**

**Left-turn Prohibitions – Dupont Street and Emerson Avenue**

<b>Date:</b>	October 8, 2015
<b>To:</b>	Toronto and East York Community Council
<b>From:</b>	Director, Transportation Services, Toronto and East York District
<b>Wards:</b>	Davenport, Ward 18
<b>Reference Number:</b>	Ts2015191te.top.doc

**SUMMARY**

---

As the Toronto Transit Commission (TTC) operates a transit service on Dupont Street, City Council approval of this report is required.

Transportation Services is requesting approval to implement eastbound and southbound left turn prohibitions at all times at the intersection of Dupont Street and Emerson Avenue. The implementation of the turn prohibitions at this intersection will improve the flow of traffic on Dupont Street and eliminate the potential for conflicts between left-turning motorists and opposing traffic.

**RECOMMENDATIONS**

---

Transportation Services, Toronto and East York District recommends that:

1. City Council approve the prohibition of eastbound and southbound left turns at all times at the intersection of Dupont Street and Emerson Avenue.

**Financial Impact**

All costs associated with the installation of the turn restrictions signage is included within the Transportation Services 2015 Operating Budget.

## **ISSUE BACKGROUND**

Transportation Services, Toronto and East York District, was requested by Councillor Ana Bailão to report on the prohibition of eastbound and southbound left turns at all times at the intersection of Dupont Street and Emerson Avenue.

## **COMMENTS**

Dupont Street is a four lane major arterial road with a regulatory speed limit of 50 km/h and a daily two-way traffic volume of about 25,000 vehicles. Dupont Street generally travels east-west, but undergoes a shift in the horizontal alignment, east of Emerson Avenue. TTC service on Dupont Street is provided by the '26 Dupont' bus and there are near-side stops in both directions at the intersection with Emerson Avenue.

Emerson Avenue is a local roadway with a daily traffic volume of about 1,400 vehicles. North of Dupont Street, it operates with two-way traffic and a posted speed limit of 40 km/h. It is "Stop" sign controlled for southbound motorists at Dupont Street. South of Dupont Street, it operates one-way in the southbound direction with a posted speed limit of 30 km/h, as traffic calming measures (speed humps) have been installed. Heavy trucks are prohibited at all times on Emerson Avenue and there is no TTC service provided.

Currently left turns are permitted at all times at the intersection of Dupont Street and Emerson Avenue. A traffic count undertaken on November 17, 2014 during the busiest eight-hour period of the day disclosed about 100 and 220 eastbound and southbound left-turns were made at this intersection, respectively. Staff observations of these movements did not disclose any operational concerns for left-turning motorists. Although there are changes to the road's horizontal alignment on Dupont Street, sightlines are sufficient for turning motorists to view approaching traffic.

Transportation Services have previously reviewed the intersection of Dupont Street and Emerson Avenue for the installation of traffic control signals. The previous studies disclosed that the installation of traffic control signals was not justified or recommended at this intersection.

A gas station is located on the northeast corner of the intersection of Dupont Street and Emerson Avenue (No. 1292 Dupont Street). This gas station has one access on the east side of Emerson Avenue and two accesses on the north side of Dupont Street. In response to reported safety concerns, Transportation Services have previously reviewed the operation of the gas station driveways. The review, undertaken on May 6, 2015 during the peak periods of the day, recorded the traffic using these driveways. The review concluded that motorists generally enter the gas station via the driveways on Dupont Street and exit the gas station via the driveway on Emerson Avenue. Although the driveways are located on the section of Dupont Street between two horizontal curves, no sight line concerns were observed.

Collision statistics provided by the Toronto Police Service for the five-year period ending October 31, 2013 disclosed that 29 collisions occurred at the intersection of Dupont Street and Emerson Avenue. Of these 29 collisions, none involved a pedestrian. Six collisions involved an eastbound left-turning movement and one collision involved a southbound left-turning motorists. Further review did not disclose a pattern as to the time of day/day of week that this collision occurred. Additionally, eleven collisions involving motorists were reported at the gas station accesses.

In view of the collisions involving left-turning motorists at Dupont Street and Emerson Avenue, Transportation Services has no objections in implementation of eastbound and southbound left-turn prohibition at all times. The proposed prohibitions will not negatively impact the Toronto Transit Commission service at this intersection.

However, this proposal may increase the number of motorists that are exiting the gas station via the driveways on the north side of Dupont Street, rather than on the east side of Emerson Avenue. As a result, this may potentially result in an increase in reported safety concerns at the gas station driveways on Dupont Street. Accordingly, this location may need to be monitored and additional measures taken to enhance safety.

Councillor Ana Bailão has been advised of the recommendation of this staff report.

## **CONTACT**

Ann S. Khan, P. Eng.  
Manager, Traffic Operations  
Toronto and East York District  
Transportation Services  
Telephone: (416) 397-5021  
Fax: (416) 392-1920  
E-mail: [akhan5@toronto.ca](mailto:akhan5@toronto.ca)

## **SIGNATURE**

Kyp Perikleous  
Director, Transportation Services  
Toronto and East York District

## **LIST OF ATTACHMENTS**

1. Drawing No. 421G-1933, dated October 2015

P:\2015\Cluster B\Tra\Toronto and East York\Top\ts2015191te.top.doc - mb