



## REPORT FOR ACTION

### Traffic Signal Operations - Vaughan Road and Winona Drive/Moir Avenue Intersection

**Date:** April 24, 2018  
**To:** Public Works and Infrastructure Committee  
**From:** General Manager, Transportation Services  
**Wards:** Ward 15, Eglinton-Lawrence; Ward 21, St. Paul's

#### SUMMARY

---

Transportation Services is recommending the implementation of an eastbound no-right-turn-on-red regulation from Vaughan Road to Winona Drive, removal of the eastbound stop sign control on Moir Avenue at Winona Drive, and a pedestrian crossing prohibition on Winona Drive, south of Moir Avenue. These proposals are required to accommodate signal operation changes, which will enhance safety and improve traffic flow at this intersection.

This report is submitted to Public Works and Infrastructure Committee as Winona Drive at Vaughan Road forms a shared boundary between the Toronto and East York Community Council and the North York Community Council.

#### RECOMMENDATIONS

---

The General Manager, Transportation Services recommends that:

1. City Council amend the location of the traffic control signals at Vaughan Road and Winona Drive to Vaughan Road and Winona Drive/Moir Avenue.
2. City Council prohibit eastbound right-turn-on-red movements at all times at the intersection of Vaughan Road and Winona Drive/Moir Avenue.
3. City Council rescind the existing eastbound stop control on Moir Avenue at Winona Drive in conjunction with the inclusion of Moir Avenue into the traffic signal operation at Vaughan Road and Winona Drive, as set out in Recommendation 1 above.
4. City Council prohibit pedestrian crossings on Winona Drive, between a point 5 metres south of the south curb line of Vaughan Road and a point 30.5 metres further south.

## **FINANCIAL IMPACT**

---

All costs associated with the necessary signage installation are available within the 2018 Operating Budget for Transportation Services.

The Acting Chief Financial Officer has reviewed this report and agrees with the financial impact information

## **DECISION HISTORY**

---

This report addresses a new initiative.

## **COMMENTS**

---

Vaughan Road and Winona Drive intersect to form a skewed five-leg intersection that is controlled by traffic signals. Vaughan Road is a two-lane minor arterial roadway with TTC bus service. Winona Drive is a north/south local road that forms a shared district boundary between Ward 21 (Toronto and East York District) and Ward 15 (North York District). Winona Drive operates one-way northbound, north of Vaughan Road, two-way south of Vaughan Road to Moir Avenue, then one-way southbound, south of Moir Avenue. Moir Avenue is a short two-way local road that intersects with the west side of Winona Drive, approximately eight metres south of Vaughan Road. A stop sign for eastbound traffic on Moir Avenue controls right-of-way at Winona Drive. There is no TTC service on Winona Drive or Moir Avenue.

Presently, traffic signals at Vaughan Road and Winona Drive operate under a fixed mode of control, whereby the main street (Vaughan Road) and side street (Winona Drive) signal phases cycle constantly, regardless of vehicle/pedestrian demand. To enhance traffic flow on Vaughan Road at this intersection, Transportation Services intends to modify the mode of control of the traffic signals. To facilitate this change, Moir Avenue traffic needs to be included in to the traffic signal operation and the existing eastbound stop sign control at Winona Drive removed. As a result, a green signal display will stay on for Vaughan Road unless a pedestrian wishes to cross Vaughan Road or a northbound vehicle is detected on Moir Avenue. As part of the signal installation a new pedestrian crossing will be added across Moir Avenue to ensure pedestrian safety by having pedestrians cross within the signalized crosswalk.

As a result of the intersection geometry and close proximity of Moir Avenue to the Vaughan Road/Winona Drive intersection, sight lines are poor between eastbound right-turning motorists on Vaughan Road and motorists entering the intersection on a northbound green signal from Moir Avenue, via Winona Drive. Therefore to reduce vehicle conflicts with the new signal operation, Transportation Services is recommending an eastbound no-right-turn-on-red regulation at all times for eastbound traffic on Vaughan Road at Winona Drive.

The proposed changes will improve safety at the intersection and facilitate modifications to the traffic signal operation which in turn will enhance traffic flow on Vaughan Road.

Ward 21 Councillor Joe Mihevc and Ward 15 Councillor Josh Colle have been advised of the recommendations of this report.

## **CONTACT**

---

Dave Twaddle, C.E.T.  
Acting Director  
Toronto and East York District  
Transportation Services  
Telephone: (416) 392-7714  
E-mail: [Dave.Twaddle@toronto.ca](mailto:Dave.Twaddle@toronto.ca)

Peter Hillier  
Acting Director  
North York District  
Transportation Services  
Telephone: (416) 395-7480  
E-mail: [Peter.Hillier@toronto.ca](mailto:Peter.Hillier@toronto.ca)

## **SIGNATURE**

---

\_\_\_\_\_  
Barbara Gray  
General Manager, Transportation Services

## **ATTACHMENT**

---

Attachment 1 - Drawing No. 421G-2946, dated April 2018

P:\2018\Cluster B\Tra\Toronto and East York\Top\Pw2018078te.top.doc - mb

