

## **Traffic Control Signals – Bermondsey Road and Hollinger Road/Northline Road**

**Date:** November 30, 2016  
**To:** Toronto and East York Community Council  
**From:** Acting Director, Transportation Services, Toronto and East York District  
**Wards:** Ward 31, Beaches-East York

### **SUMMARY**

---

As the Toronto Transit Commission (TTC) operates a transit service on Bermondsey Road and Hollinger Road, City Council approval of this report is required.

Transportation Services is requesting approval to install traffic control signals at the intersection of Bermondsey Road and Hollinger Road/Northline Road. The installation of traffic control signals is technically justified and will provide a safe and convenient access for vehicles and pedestrians crossing Bermondsey Road.

### **RECOMMENDATIONS**

---

The Acting Director, Transportation Services recommends that:

1. City Council authorize the installation of traffic control signals at the intersection of Bermondsey Road and Hollinger Road/Northline Road.

### **FINANCIAL IMPACT**

---

The estimated cost of installing traffic control signals at the intersection of Bermondsey Road and Hollinger Road/Northline Road is \$200,000.00. This installation would be subject to the availability of funding and competing priorities.

### **DECISION HISTORY**

---

This report addresses a new initiative.

## COMMENTS

---

Bermondsey Road is a minor arterial road that operates two-way traffic. It has a pavement width of about 9.8 metres south of Hollinger Road/Northline Road and pavement width of about 13.4 metres north of Hollinger Road/Northline Road. It has a posted speed limit of 40 km/h and a daily, two-way volume of about 16,000 vehicles. An exclusive northbound left-turn lane and an exclusive southbound right-turn lane are designated at the intersection with Hollinger Road and Northline Road.

Hollinger Road and Northline Road are stop controlled at the intersection with Bermondsey Road. Hollinger Road intersects the west side of Bermondsey Road and is a collector roadway that operates two-way traffic on a pavement width of about 9.1 meters. It has a posted speed limit of 40 km/h and a daily two-way volume of about 6,000 vehicles. Northline Road intersects the east side of Bermondsey Road and is a local road that operates two-way traffic on a pavement width of about 9.1 metres. It has a regulatory speed limit of 50 km/h and daily two-way volume of about 1,200 vehicles.

TTC service at this intersection is provided by the '91 Woodbine' bus and there are east-west stops located on Hollinger Road, west of the intersection.

Adjacent traffic control signals are located about 230 metres to the north, at the intersection of Bermondsey Road and Sunrise Drive and 480 metres to the south, at the intersection of Bermondsey Road and O'Connor Drive.

### Traffic Control Signals

Traffic volume counts were undertaken on Bermondsey Road and Hollinger Road/Northline Road in September 2016. Based on the eight hour vehicular and pedestrian traffic counts, and the collision history, the technical justifications for the installation of traffic control signals are satisfied to the following extent:

<b>Justification 1:</b>	Minimum Vehicular Volume	91 percent;
<b>Justification 2:</b>	Delay to Cross Traffic	93 percent; and
<b>Justification 3:</b>	Collision Hazard	20 percent.

To meet the technical requirements for the installation of traffic control signals, one of the "Minimum Vehicle Volume" or "Delay to Cross Traffic" justifications must be 100 percent satisfied, or any two of the three justifications must be at least 80 percent satisfied.

Based on the above results, the installation of traffic control signals are justified at the intersection of Bermondsey Road and Hollinger Road/Northline Road.

## **Collision Review**

The Collision Hazard justification is based on the number of collisions potentially preventable by the installation of traffic control signals. Collision statistics provided by the Toronto Police Service for the three-year period ending June 30, 2016 disclosed that five collisions were reported at the intersection of Bermondsey Road and Hollinger Road/Northline Road. Of these five collisions, three were considered to be potentially preventable by the installation of traffic control signals and none involved a pedestrian.

Based on our review, Transportation Services recommends the installation of traffic control signals at the intersection of Bermondsey Road and Hollinger Road/Northline Road. This installation is technically justified and will provide a safer crossing environment for vehicles and pedestrians. Comments on the proposed installation of traffic control signals at this intersection have been requested from the TTC but have not been received.

Councillor Janet Davis has been advised of the recommendations of this report.

## **CONTACT**

---

Ann S. Khan, P.Eng.  
Manager, Traffic Operations  
Transportation Services  
Toronto and East York District  
Telephone: 416-397-5021  
Fax: 416-392-1920  
e-mail: Ann.Khan@toronto.ca

## **SIGNATURE**

---

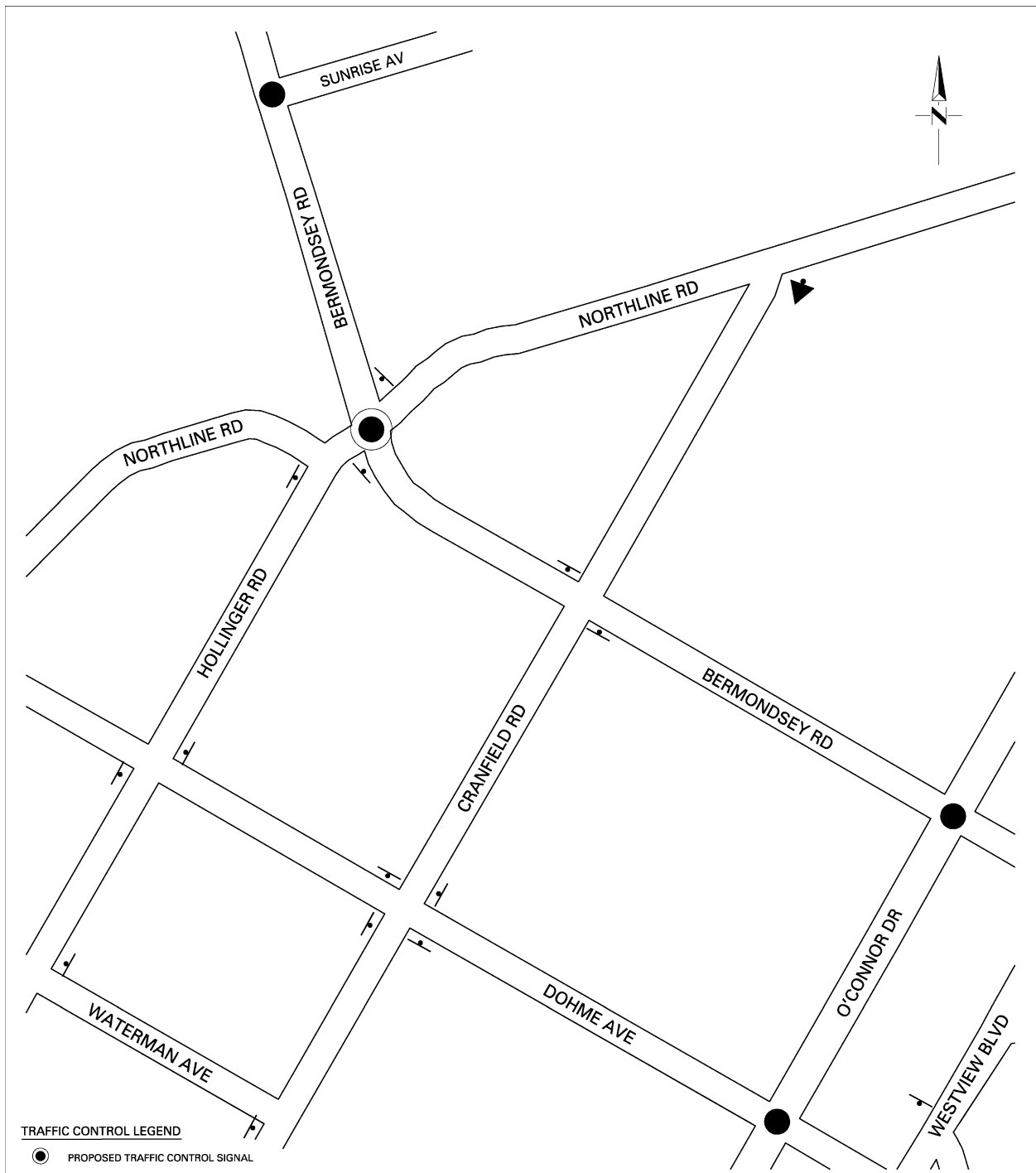
Dave Twaddle, C.E.T.  
Acting Director, Transportation Services  
Toronto and East York District

## **ATTACHMENTS**

---

1. Drawing No. 421G-2324, dated December 2016

P:\2016\Cluster B\Tra\Toronto and East York\Top\ts2016216te.top.doc - mb



- TRAFFIC CONTROL LEGEND**
- PROPOSED TRAFFIC CONTROL SIGNAL
  - ⊥ STOP SIGN
  - SIGNALIZED INTERSECTION
  - ▼ YIELD SIGN

**NOTE:**  
 INFORMATION ON THIS PLAN IS BASED  
 ON OFFICE RECORDS AND IS SUBJECT  
 TO FIELD VERIFICATION.

## BERMONDSEY RD & HOLLINGER RD / NORTHLINE RD: PROPOSED TRAFFIC CONTROL SIGNAL

M.S.  
 DWG. NO. 421G-2324      DECEMBER, 2016      TRANSPORTATION SERVICES      TORONTO & EAST YORK DISTRICT