

## **Traffic Control Signals – Islington Avenue and Nordin Avenue / Athol Avenue**

**Date:** October 5, 2017  
**To:** Etobicoke York Community Council  
**From:** Director, Transportation Services, Etobicoke York District  
**Wards:** Ward 5 – Etobicoke Lakeshore

### **SUMMARY**

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The purpose of this report is to provide the results of a Traffic Control Signal Warrant study at the intersection of Islington Avenue and Nordin Avenue / Athol Avenue. Since the Toronto Transit Commission (TTC) provides service on Islington Avenue, City Council approval of this report is required. TTC staff has not been advised of the signal installation studies.

### **RECOMMENDATIONS**

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The Director, Transportation Services, Etobicoke York recommends that:

1. City Council NOT approve the installation of traffic control signals at the intersection of Islington Avenue and Nordin Avenue / Athol Avenue as the Traffic Control Signal Warrant is not achieved.

### **FINANCIAL IMPACT**

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There is no financial impact associated with this report. However, the financial cost of installing these new traffic control signals would be approximately \$180,000.00 should the installation be approved.

### **DECISION HISTORY**

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This report addresses a new initiative.

## COMMENTS

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Transportation Services staff received a request by the Ward 5 Councillor to conduct an assessment at the intersection of Islington Avenue and Nordin Avenue /Athol Avenue and determine the feasibility of installing traffic control signals. Currently there are no signalized intersections from this community onto Islington Avenue. As a result, drivers have difficulties and experience delays attempting to exit the community to travel northbound Islington Avenue. Concerns have been raised that further development along The Queensway in this area will only exacerbate this problem. A map of the area is Attachment 1.

Islington Avenue is classified as a "Major Arterial" road having two lanes in each direction. The roadway has an urban cross-section which includes curb and gutter with sidewalks on both sides of the street. The legal speed limit on Islington Avenue is 50 km/h.

Nordin Avenue is classified as a "Local" road with an urban cross-section which includes curb and gutter with sidewalks on both sides of the street. The speed limit on Nordin Avenue is 50 km/h.

Athol Avenue is classified as a "Local" road with a rural cross-section (ditched) with no sidewalks. The speed limit on Athol Avenue is 40 km/h.

The intersection is located approximately 370 metres north of the traffic control signals at Queensway and approximately 250 metres south of the signalized intersection at Jutland Road.

The Toronto Transit Commission (TTC) operates transit service on Islington Avenue (110 Islington) with bus stops currently located on the north and south approaches at Nordin Avenue / Athol Avenue.

To assess traffic conditions, an eight-hour turning movement count was conducted on a typical weekday (September 6, 2017) at the intersection. Our turning movement study results were applied to the Traffic Control Signal Warrant analysis. The study results are as follows:

Islington Avenue at Nordin Avenue/Athol Avenue

Minimum Vehicular Volume Warrant	37% compliance
Delay to Cross Traffic Warrant	40% compliance
Collision Hazard Warrant	13% compliance

In order to meet the warrants, 100 percent compliance is required in one of the categories or a minimum of 80 percent in the first two. The Collision Hazard warrant is based on the number of collisions susceptible to correction by the installation of traffic control signals and must be 100 percent satisfied.

In reviewing the most recent three year collision history for Islington Avenue and Nordin Avenue / Athol Avenue intersection, there have been two collisions of the type susceptible to correction by the installation of traffic control signals.

Therefore, in view of the above study results, the installation of Traffic Control Signals is not justified at the intersection of Islington Avenue and Nordin Avenue / Athol Avenue.

## **CONTACT**

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## **SIGNATURE**

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Steven T. Kodama, P.Eng.  
Director, Transportation Services - Etobicoke York District

## **ATTACHMENTS**

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1. Location Plan - Islington Avenue at Nordin Avenue / Athol Avenue

# Location Plan: Islington Avenue and Nordin Avenue / Athol Avenue

