

BUDGET COMMITTEE - JANUARY 12, 2009

TRAFFIC SIGNAL AT HIGHWAY #7 AND BRADWICK DRIVE

(Referred Item)

Council at its meeting of December 8, 2008, adopted the following Committee of the Whole recommendation of December 1, 2008 (Item 11, CW Report No. 61):

- 1) That the installation of the traffic signal at Highway #7 and Bradwick Drive be referred to the Budget Committee; and
- 2) That the following report of the Commissioner of Engineering and Public Works, dated December 1, 2008, be received.

Report of the Commissioner of Engineering and Public Works, dated December 1, 2008

Recommendation

The Commissioner of Engineering and Public Works recommends:

That this report be received for information purposes.

Economic Impact

There is no economic impact resulting from the recommendation of this report.

Communications Plan

The results of the Region of York intersection counts and the decision of Vaughan Council will be communicated to the petitioners by Engineering Services staff.

Purpose

To respond to Council direction regarding warrants for traffic signals at the intersection of Highway #7 and Bradwick Drive.

Background - Analysis and Options

At its January 29, 2007 meeting, Council directed:

- "1. That the Region of York be requested to conduct the necessary traffic studies to see if a traffic signal is warranted at the intersection of Highway #7 and Bradwick Drive."
- "2. That staff report back with findings of the Region of York to a future Committee of the Whole meeting."

The Extract from the Council meeting is attached for further information as Attachment No. 2 to this report.

Engineering Services staff contacted the Region of York to request that the Region determine if traffic signals are warranted at the intersection of Highway #7 and Bradwick Drive. Staff received correspondence from the Region of York that the traffic studies concluded that the intersection does not warrant traffic signals under the Region's policy. Refer to Attachment No. 1 for the area road network.

The warrant values from the March 2007 count are: Warrant 1 (minimum vehicle volumes) – 71%, Warrant 2 (delay to cross traffic) – 74% and Warrant 3 (collision hazard last 3 years) – 0%. Regional staff reviewed the intersection of Highway 7 and Bradwick Drive for the installation of traffic control signals extensively in 2006. The Region notes that the latest traffic study did not indicate an increase in traffic or pedestrian volumes from a traffic study completed a year earlier.

In accordance with the Regional policy, if Warrant 1 and Warrant 2 are satisfied by at least 70%, then the local municipality can request the Region to install the traffic signals at the expense of the local municipality. The Region would review the warrants annually for up to 5 years. Should the warrant be met within the 5 year period following the installation of the traffic signals, the Region will then reimburse the municipality the full cost of installation.

Installation costs are estimated at \$120,000 per location and ongoing maintenance costs are estimated at \$4,000 per location/annually.

Relationship to Vaughan Vision 2020

Enhance and Ensure Community Safety, Health & Wellness – to advocate for, protect and enhance community safety, health and wellness through education, design and enforcement.

This report is consistent with the priorities previously set by Council.

Regional Implications

Should Council wish to have signals installed under the provisions of the Regional Policy regarding unwarranted traffic signals, the Region of York would install the traffic signal at the City's cost and the City would pay for the maintenance of the traffic signal until the warrant is met as per the Region's policy. The Region would reimburse the City the original cost of the installation for permanent signals when the signals become warranted.

Conclusion

The Region of York has determined that the intersection of Highway #7 and Bradwick Drive does not meet the warrant for traffic signal installation. However, the Region's policy regarding the installation of unwarranted traffic signals paid by Local Municipalities is met. Should Council wish to proceed with the installation at the City's cost, appropriate funding would have to be allocated through the Budget process.

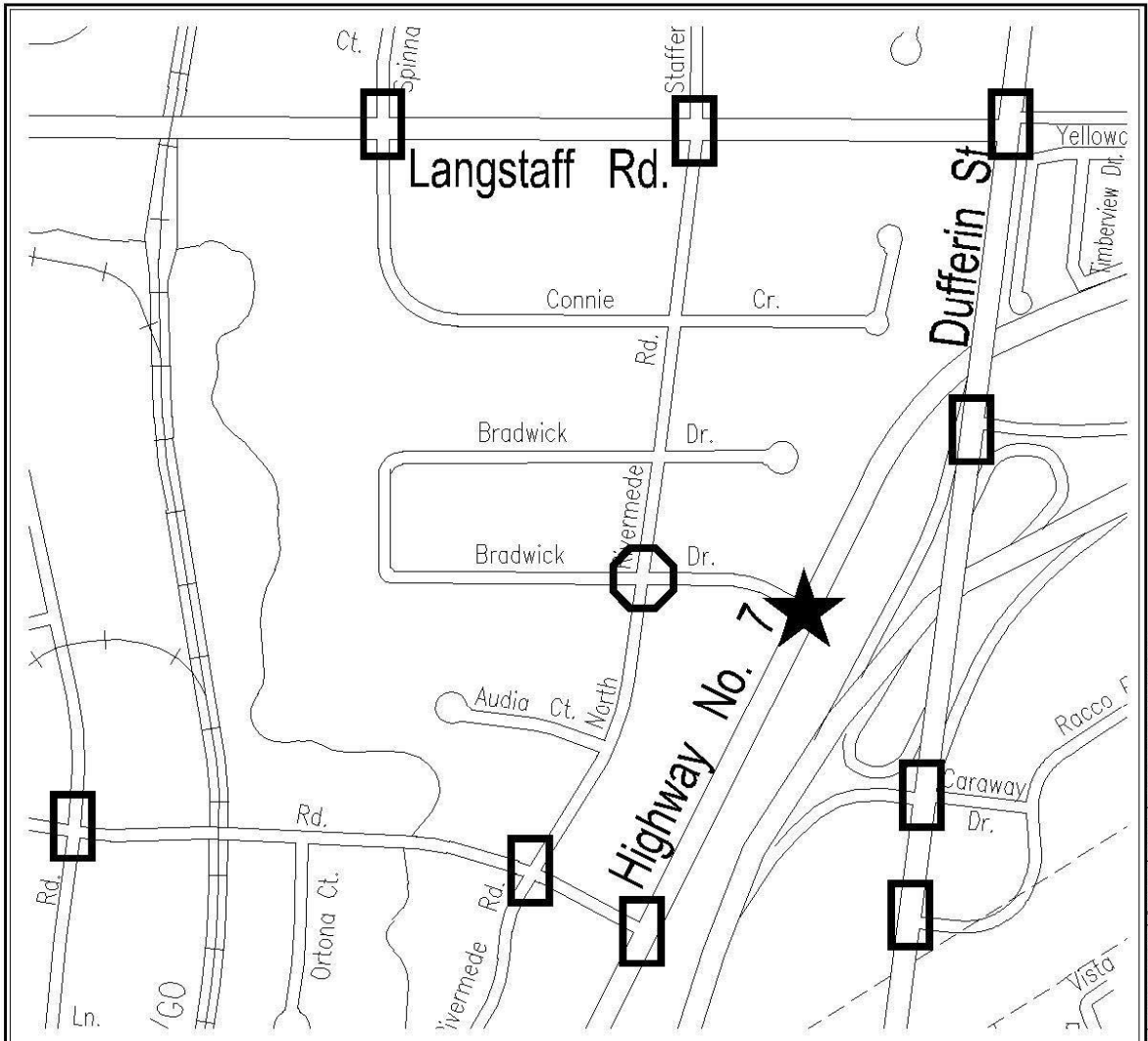
Attachments

1. Location Map
2. Extract – Traffic Signal at Highway 7 & Bradwick Drive Item 6, Report No. 1 Committee of the Whole adopted by Council on January 29, 2007.

Report prepared by:




Mark Ranstoller, Senior Traffic Technologist, Ext. 3141
Mike Dokman, Supervisor, Traffic Engineering, Ext. 3118

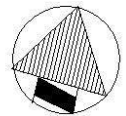
ATTACHMENT No. 1



BRADWICK DRIVE AND HIGHWAY 7 PROPOSED TRAFFIC SIGNAL

LEGEND

-  PROPOSED TRAFFIC SIGNAL
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL



NOT TO SCALE

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JANUARY 29, 2007

Item 6, CW Report No. 1 – Page 2

Attachments

1. Petition for installation of above-noted traffic signal.

Report prepared by:

Cindy Furfaro-Benning, Council Executive Assistant

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)