

COMMITTEE OF THE WHOLE - SEPTEMBER 18, 2006

TRAFFIC CONTROL SIGNAL REQUEST AT WESTON RD. & VALERIA BLVD.

RECOMMENDATION:

Councillor Bernie DiVona, in consultation with Mayor Michael DiBiase recommends:

- 1) That the report dated July 27, 2006 from the Region of York be received and referred to the Commissioner of Engineering for his review and consideration to determine the option of signalizing the intersection at our own cost with full reimbursement by the Region of York within 5 years if and when the traffic warrant signal becomes warranted.
- 2) That the review be conducted in such a manner that it will be included for consideration within the 2007 Capital Budget.
- 3) That the 2007 Capital Budget project for signalized intersection detail the locations for all proposed traffic signalization and warrant components or criteria used in selection of any installation.

Economic Impact

Not applicable

Purpose

To request installation of a traffic control signal at the intersection of Weston Rd. and Valeria Blvd.

Background - Analysis and Options

The Region of York conducted a review conclude that there is "recognition that this intersection is close to satisfying the municipal warrant and therefore the City of Vaughan has the option of signalization".

Copy of the letter from York Region Transportation and Works Department is attached.

Relationship to Vaughan Vision 2007

This report recommends a change from the priorities previously set by Council and the necessary resources have not been allocated.

Conclusion

Based on our review, it is recommended that signalization at the intersection of Weston Rd. and Valeria Blvd. be implemented at our own cost with full reimbursement from the Region of York within 5 years if and when the traffic signals becomes warranted.

Attachments

1. Location Map
2. Letter from York Region and Transportation Department

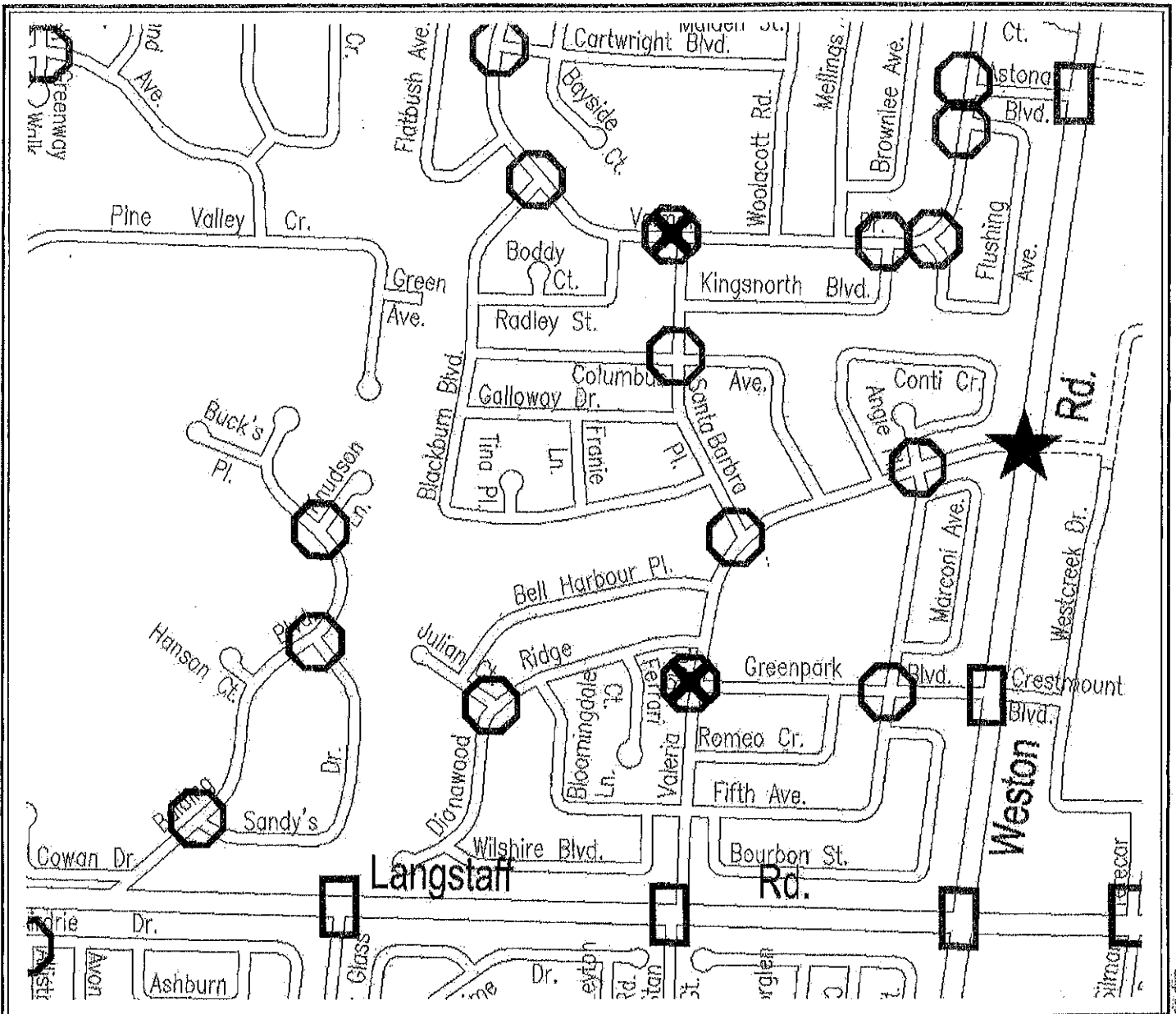
Report prepared by:

Councillor Bernie DiVona, ext. 8339

Respectfully submitted,




Bernie di Vona
Councillor - Ward 3

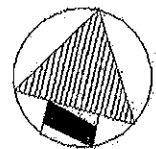
ATTACHMENT No. 1



WESTON ROAD AND VALERIA BOULEVARD PROPOSED TRAFFIC SIGNAL

LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNAL
-  EXISTING ALLWAY STOP CONTROL



NOT TO SCALE



Transportation and Works Department

Roads Branch, Operations

Fax: 905-895-7735

July 27, 2006

Ms. Becky Guiney
Communications Coordinator MAYOR'S OFFICE ASSISTANT
The City of Vaughan
2141 Major Mackenzie Drive
Vaughan ON L6A 1T1

Dear Ms. Guiney:

**Re: Traffic Control Signal Request
Weston Road (Y.R. 56) and Valeria Boulevard
City of Vaughan
File No. T09 GVA**

The Regional Municipality of York is in receipt of Mr. Vincenzo Lombardo's request for the installation of a traffic control signal at the intersection of Weston Road and Valeria Boulevard, in the City of Vaughan.

The Region's policy for the installation of traffic control signals is based on a series of guidelines established by the Ministry of Transportation and those approved by Regional Council. The guidelines consider various operational characteristics at the intersection consisting of the following components:

- Traffic and pedestrians using the intersection.
- Traffic and pedestrians entering and exiting the intersection.
- Collision history over 36 months at the intersection.
- Delay experienced by traffic exiting the intersection.

Table 1 summarizes the traffic signal warrant from the traffic data collected at the intersection of Weston Road at Valeria Boulevard on Wednesday, June 21, 2006.

Table 1
Traffic Signal Warrant Analysis

Warrant Component	Weston Road at Valeria Boulevard
Minimum Vehicular Delay	69 %
Delay to Cross Traffic	67 %
Collision Hazard (last 3 years)	0 %
"T" Intersection	Yes
Intersection Peak Hour Delay:	
Unsignalized	9.7 sec/veh
Signalized	9.4 sec/veh
Safety Performance	Not improved with signals
Paid by Local Municipality	Not warranted (<70%)

The Ministry of Transportation of Ontario guidelines indicate that an intersection meets the warrant conditions for traffic control signals when two of the warrant components are at or above 80% compliant, or one component is 100% compliant. In addition, Regional Council adopted a new policy on the installation of traffic control signals that takes safety performance and peak hour delay into consideration when conducting a traffic signal warrant. The safety warrant of this policy indicates that there would be no reduction in collisions if the intersection was to be signalized.

Regional staff conducted a minor street delay study at the intersection of Weston Road and Valeria Boulevard on Wednesday, July 5, 2006 between the hours of 8:00 a.m. to 9:00 a.m., the critical peak hour of the day. The results indicated that the average minor street stopped time is 35 seconds per vehicle and a maximum of two vehicles queued at once. Signalizing this intersection will create 120 seconds of delay on the minor street, which equates to four times the current delay experienced.

Regional staff recognizes that this intersection is close to satisfying the municipal warrant and therefore the City of Vaughan has the option of signalizing the intersection at their cost. Installation costs are estimated at \$120,000 per location and ongoing maintenance costs are estimated at \$4,000 per location/annually. Please notify us if and when the City of Vaughan Council agrees to cover the cost. The Region will reimburse the local municipalities 100% of the original installation cost planned within five years if and when the traffic signal becomes warranted.

Ms. Becky Guiney
Traffic Control Signal Request
File No. T09 GVA

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Should you have further questions or comments, please contact me at 905-895-1200, extension 5205 or Zoran Postic, Manager, Traffic Engineering and Road Safety at extension 5212.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Harrison", with a horizontal flourish extending to the right.

Brian Harrison, P.Eng.
Director, Operations

BH/nc/cr

Copy to: Anna Bellicoso, Temporary Council Executive Assistant, City of Vaughan
Mike Dokman, Supervisor Traffic Engineering, City of Vaughan

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