

## **COMMITTEE OF THE WHOLE – JUNE 16, 2008**

### **STOP CONTROL RECONFIGURATION FOGAL/ZENWAY/OLD HUNTINGTON ROAD INTERSECTION**

#### **Recommendation**

The Commissioner of Engineering and Public Works recommends:

1. That Council enact the necessary by-law to remove the existing east/west stop controls on Fogal Road and Zenway Boulevard at the intersection of Fogal Road/Zenway Boulevard and Old Huntington Road;
2. That Council enact the necessary by-law to add new north/south stop controls on Old Huntington Road at the intersection of Fogal Road/Zenway Boulevard and Old Huntington Road;
3. That staff be authorized to amend the Subdivision Agreement with Vaughan West II Limited and Conair Consumer Products Inc. (Plan 65M- 3992) and Roybridge Holdings Limited (Plan 65M-3627) to provide for the early completion and assumption of Zenway Boulevard between Huntington Road and Highway 27 in order to establish an adequate collector road link to the Highway 427 Arterial Road Extension; and
4. That the Region of York be requested to enter into an agreement with the City to facilitate the remediation of any damage or accelerated deterioration of Zenway Boulevard between Old Huntington Road and Highway 27 resulting from the projected high traffic volumes that will be using Zenway Boulevard to access or egress the Highway 427 Arterial Road Extension.

#### **Economic Impact**

There are no immediate economic impacts resulting from the adoption of this report.

#### **Communications Plan**

A communication plan will be implemented in connection with the proposed change to the stop controls at the intersection of Fogal Road/Zenway Boulevard/Old Huntington Road in accordance with the Ontario Traffic Manual. In particular, the appropriately worded road side signage will be installed for a prescribed time frame informing motorists of the change in the stop controls at the intersection before the changes actually takes place.

#### **Purpose**

The purpose of this report is to seek Council's approval to change the stop control configuration at the intersection of Fogal Road/Zenway Boulevard/Old Huntington Road and authorization to amend the subdivision agreements with Vaughan West II Limited and Conair Consumer Products Inc. (Plan 65M- 3992) and Roybridge Holdings Limited (Plan 65M-3627), and enter into an agreement with the Region of York, with respect to the completion, assumption and potential future remediation of any damage or deterioration of Zenway Boulevard once the Highway 427 Arterial Road connection is closed in the future.

#### **Background - Analysis and Options**

Fogal Road between Highway 50 and Huntington Road is proposed to be widened and reconstructed in order to improve vehicular access to the Vaughan West Employment area and to establish a continuous collector road link to the Highway 427 Arterial Road extension as shown

on Attachment No. 1. The Highway 427 Arterial Road extension is currently under construction and is expected to be opened for traffic at the end of July or early August 2008.

Currently, the existing stop controls at the intersection of Fogal Road/Zenway Boulevard and Old Huntington Road are located on the Fogal Road and Zenway Boulevard legs of the intersection as shown on Attachment No.1. Once the Highway 427 Arterial Road Extension is completed and connected to Zenway Boulevard, the predominant traffic movement will be in an east/west direction along Zenway/Fogal Road. Accordingly, it is recommended that the stop controls at the intersection of Fogal Road/Zenway Boulevard and Old Huntington Road be changed to remove the existing east/west stop controls on Fogal Road and Zenway Boulevard and to install new north/south stop controls on Old Huntington Road. This will result in Fogal Road and Zenway Boulevard becoming the through road and will facilitate the efficient movement of traffic to and from the future interim Highway 427 terminus.

#### Advanced Completion of Zenway Boulevard

Zenway Boulevard between Huntington and Hwy 27 has been constructed in phases through development over the last few years. Zenway is currently constructed to base course asphalt over its entire length. Settlements are evident at many locations along the roadway, especially at the east end. The existing condition and pavement structure of Zenway Boulevard is currently inadequate to accommodate or support the expected high/heavy traffic volumes that will use the road after the Highway 427 Arterial Road connection is made. Accordingly, it is recommended that the developer be requested to advance the completion of the road, including the completion and inspection of the underground services, curb and road settlement repair and the placement of the top course of asphalt.

It is important to note that Zenway Boulevard has been design and constructed as a local industrial collector roadway. This road design was approved prior to the implementation of the Highway 427 Arterial Road connection. Once the Highway 427 Arterial connection is made, Fogal Road and Zenway Boulevard will experience traffic volumes much greater than what the design of the road was intended to accommodate. Accordingly, staff is concerned that the normal life cycle of this industrial road may be significantly shortened as a result of the heavy traffic volumes. In addition, since the curb and top course asphalt is being advanced many years before it would normally be required to accommodate the arterial connection, there is a real potential for the curb and road surface to be damaged through the development of the future industrial buildings along the roadway. The developers have expressed the same concerns and are as a result asking that the City assume the entire length of Zenway Boulevard including the underground services as a precondition of advancing the placement of the top course of asphalt. Since the placement of the top asphalt is being advanced primarily to accommodate a Regional purpose, it would seem reasonable that the Regions in turn take on the responsibility to remediate any damage or deterioration of Zenway Boulevard after the interim Highway 427 Arterial Road terminus connection is closed in the future.

To advance the completion and assumption of Zenway Boulevard between Huntington Road and Highway 27, it will be necessary for the City to amend the Subdivision agreement with Vaughan West II Limited and Conair Consumer Products Inc. (Plan 65M- 3992) and Roybridge Holdings Limited (Plan 65M-3627). In addition, since the completion of Zenway Boulevard is being advanced to accommodate a Regional purpose, it is recommended that the Region of York be requested to enter into an agreement with the City to facilitate the remediation of any damage or shortened life span of Zenway Boulevard caused by the projected high traffic volumes that will be using Zenway Boulevard to access and egress the Highway 427 Arterial Road Extension.

## **Relationship to Vaughan Vision 2020**

In consideration of the strategic priorities related to Vaughan Vision 2020, the recommendations of this report will assist in:

- The pursue of excellence in service delivery;
- Enhancing and ensuring Community Safety;
- To advocate for, protect and enhance community safety, health and wellness through education, design and enforcement;
- Promoting effective governance; and
- Planning and managing growth, and economic vitality.

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

## **Regional Implications**

This report is recommending that the Region of York enter into an agreement with the City to facilitate the remediation of any damage or accelerated deterioration to Zenway Boulevard between Old Huntington Road and Highway 27 resulting from the projected high traffic volumes that will be using Zenway Boulevard to access and egress the Highway 427 Arterial Road Extension.

## **Conclusion**

The Highway 427 Arterial Road extension from Highway No. 7 to Zenway Boulevard is currently under construction and is expected to be opened for traffic at the end of July or early August 2008. The traffic volumes on Zenway Boulevard are projected to increase significantly once the Highway 427 Arterial Road is completed. To provide for the efficient east-west movement of traffic on Fogal Road and Zenway Boulevard, it is recommended that the existing stop controls at the intersection of Fogal Road/Zenway Boulevard and Old Huntington Road be changed to remove the existing east/west stop controls on Fogal Road and Zenway Boulevard and to install new north/south stop controls on Old Huntington Road.

In addition, Zenway Boulevard between Old Huntington Road and Highway 27 will need to be completed early to accommodate the projected high traffic volumes which will be using Zenway to access and egress the Highway 427 Arterial Road Extension. To advance the completion and assumption of Zenway Boulevard, it will be necessary for the City to amend the Subdivision agreement with Vaughan West II Limited and Conair Consumer Products Inc. (Plan 65M- 3992) and Roybridge Holdings Limited (Plan 65M-3627).

Staff is concerned that the projected heavier than normal traffic volumes on Zenway Boulevard may result in damage to the road or premature deterioration of the road surface. Accordingly, it is recommended that the Region of York be requested to enter into an agreement with the City to provide for any necessary remediation of Zenway Boulevard after the Highway 427 Arterial Road connection is closed in the future.

## **Attachments**

1. Attachment No. 1 – Location Plan

**Report prepared by:**

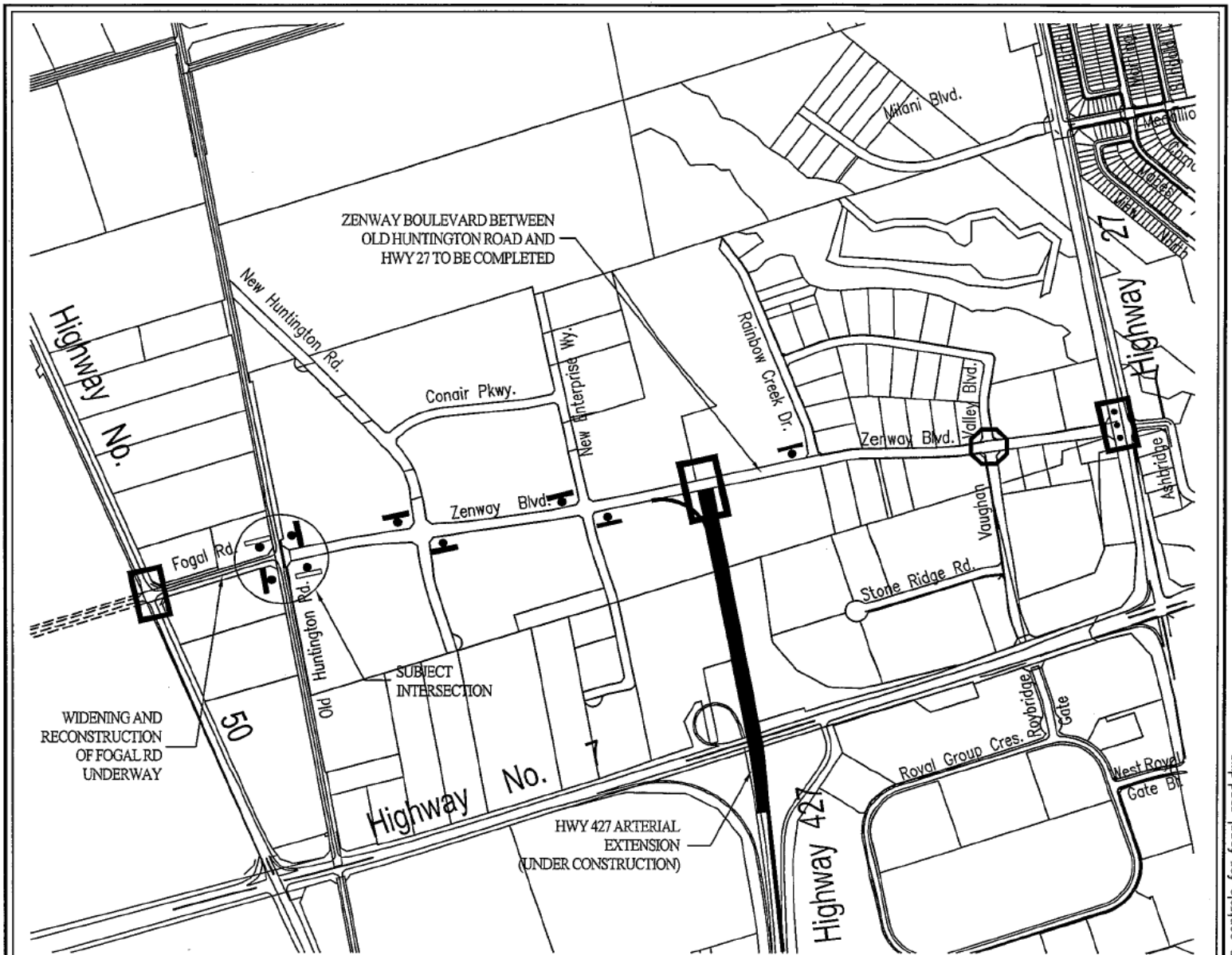
Andrew Pearce, Director of Development/Transportation Engineering, ext. 8255

Respectfully submitted,

Bill Robinson, P. Eng.  
Commissioner of Engineering and Public Works







Andrew Pearce, C.E.T.  
Director of Development/  
Transportation Engineering

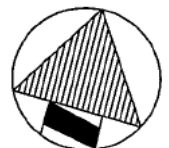
# ATTACHMENT No. 1



## STOP CONTROL RECONFIGURATION FOGAL/ZENWAY/OLD HUNTINGTON INTERSECTION

### LEGEND

- |  |                               |  |               |
|--|-------------------------------|--|---------------|
|  | EXISTING TRAFFIC SIGNALS      |  | PROPOSED ROAD |
|  | EXISTING ALL-WAY STOP CONTROL |  |               |
|  | EXISTING STOP SIGNS           |  |               |
|  | PROPOSED STOP SIGNS           |  |               |
|  | PROPOSED TRAFFIC SIGNALS      |  |               |



NOT TO SCALE