

COMMITTEE OF THE WHOLE - JUNE 18, 2007

**TRAFFIC STUDY
VAUGHAN MILLS ROAD AND HUMBERVIEW DRIVE**

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That report be received for information; and
2. That York Regional Police be requested to provide enforcement of the existing posted 40 km/h speed limit on Vaughan Mills Road.

Economic Impact

None.

Communication Plan

The residents be advised of Council's decision in this matter by means of a return letter to the appropriate party.

Purpose

To investigate the nature and extent of traffic related concerns on Vaughan Mills Road in the vicinity of Humberview Drive, in response to Council direction.

Background - Analysis and Options

At its meeting on September 11, 2006 Council directed:

“ ... that appropriate staff be directed to conduct a traffic study in the vicinity of Vaughan Mills Road and Humberview Drive, to establish the extent and nature of traffic related concerns reported by local residents, including but not limited to vehicular speeding along Vaughan Mills Road, resulting in danger to motorists entering the intersection from Humberview Drive; and that staff provide recommendations for addressing such concerns if the substance thereof is confirmed by the study.”

Vaughan Mills Road is a feeder road with a 23 metre right-of-way with 11.5 metres of pavement travel width. The speed limit on Vaughan Mills Road is posted at 40 km/h. Humberview Drive is a cul-de- sac with a 20 metre right-of way and 8.5 metres of pavement travel width and statutory 50 km/h speed limit

Staff conducted a radar study on Vaughan Mills Road on Thursday, November 6, 2006, between the peak periods of 8:00 – 9:00 am, and 4:00 – 5:00 pm. The weather on the day of the study was overcast. The collected average speeds are summarized in the table below:

Direction	Morning	Evening
Northbound	53 km/h	54 km/h
Southbound	54 km/h	53 km/h

Staff collected further traffic data using Automatic Traffic Recorders from Monday, April 30, 2007 through to Friday, May 4, 2007. The average northbound and southbound speed for the five days was 50 km/h.

Additional traffic calming measures are not recommended for this location as it is a primary emergency response route and the average speed is not greater than 10 km/h above the posted speed.

There is an existing centre median on Vaughan Mills Road south of Humberview Drive to the bridge. North of the intersection there are painted road narrowings on both sides of the roadway.

There are no sight restrictions at this intersection and there is more than 65 metres of visibility in either direction, the minimum standard.

In order for an all-way stop control to be considered, it would have to meet the minimum Provincial warrant for installation. The three warrants are:

- Warrant 1 – Minimum Vehicular Volumes
- Warrant 2 – Accident Hazard
- Warrant 3 – Sight Restriction

There were no collisions reported from June 2005 through to June 2006, the last year for which collision data is available. In order to meet the minimum vehicular warrant, 120 vehicles would have to enter the intersection from the side street in the highest peak hour. As there are only 28 homes on Humberview Drive, this warrant will not be achieved. Further, given the geometrics of the roadway (eg. beginning of a curve, start of a downgrade), this location is not appropriate for an all-way stop control. However, with the configuration of this intersection, it may be appropriate to consider installation of an intersection advisory sign, in both directions at this location.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to ensure that the enhancement of safety standards are adhered to (1.1.2) and that effective traffic calming measures meet the City's Neighbourhood Policy and Procedures and Warrants for traffic calming (3.3.1).

This report is consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Regional Implications

Not Applicable.

Conclusion

Based on staff's review, no further action is required on Vaughan Mills Road in the area of Humberview Drive. York Regional Police will be requested to enforce the existing 40 km/h speed limit on Vaughan Mills Road.

Attachments

1. Location Map

Report prepared by:

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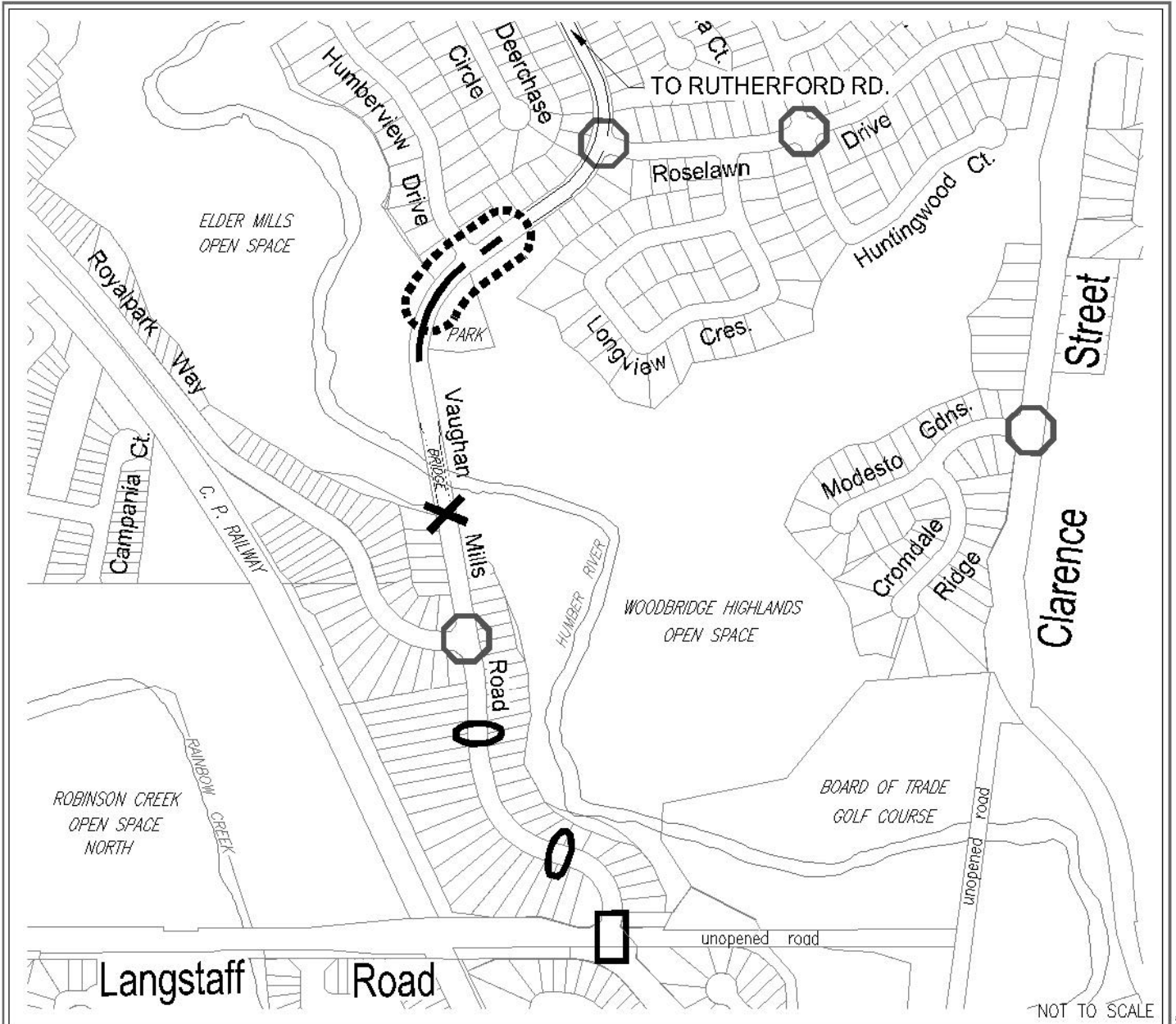
Respectfully submitted,

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

Gary P. Carroll, P. Eng.
Director of Engineering Services

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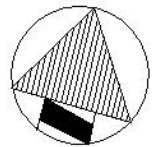
ATTACHMENT No. 1







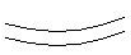


NOT TO SCALE

VAUGHAN MILLS ROAD TRAFFIC CALMING REVIEW

LEGEND



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|---|-------------------------------|---|----------------------------------|
|  | AREA UNDER REVIEW |  | EXISTING RAISED CENTRE MEDIANS |
|  | EXISTING TRAFFIC SIGNALS |  | EXISTING RAISED CROSS WALK |
|  | EXISTING ALL-WAY STOP CONTROL |  | EXISTING SPEED HUMP |
| | |  | EXISTING PAINTED ROAD NARROWINGS |