

COMMITTEE OF THE WHOLE – OCTOBER 4, 2004

MONTEBELLO AVENUE PROPOSED 40 KM SPEED LIMIT AND PROPOSED ALL-WAY STOP CONTROL

Recommendation

The Commissioner of Engineering and Public Works recommends:

1. That an all-way stop control not be installed at the intersection of Montebello Avenue and Amelynn Crescent/Century Grove Boulevard;
2. That the speed limit on Montebello Avenue between Monte Carlo Drive and Forest Fountain Drive not be reduced to 40 km/h from the statutory 50 km/h.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Montebello Avenue and Amelynn Crescent/Century Grove Boulevard, as well as reducing the speed limit on Montebello Avenue from Monte Carlo Drive to Forest Fountain Drive, in response to direction from Council.

Background - Analysis and Options

At its meeting on June 28, 2004 Council directed:

“That staff be requested to investigate the need for and feasibility of installing an all-way stop control at the easterly intersection of Montebello Avenue and Amelynn Crescent and to report to a Committee of the Whole meeting as soon as possible, and,

That staff be requested to investigate the need for and feasibility of reducing the speed limit along Montebello Avenue, between Monte Carlo Drive and Forest Fountain Drive from the statutory 50 km/hr limit to a 40 km/hr limit and to report to a Committee of the Whole meeting as soon as possible.”

Montebello Avenue and Amelynn Crescent/Century Grove Boulevard are local residential roads. The speed limit on both streets is a statutory 50 km/h. Existing stop controls are located on Amelynn Crescent and Century Grove Road at Montebello Ave. The area is shown on Attachment No. 1.

Staff conducted a turning movement count on September 9, 2004 at the intersection during peak travel periods. The count was conducted from 7:00am to 9:00am and 4:00pm to 6:00pm. The collected traffic volumes compared to the Provincial Warrant for All-way Stop Control are as shown below.

- | | |
|---|---------------|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted 16% |
| • Warrant 2 – Accident Hazard | Warranted 0% |
| • Warrant 3 – Sight Restriction | Warranted 0% |

For an all-way stop control to be warranted, one or more of the 3 warrants must be satisfied 100% or more. The results of the turning movement counts do not meet the requirements of the Provincial Warrant for All-Way Stop Control. The above results reflect the highest peak traffic hour at this intersection.

In addition, radar speed studies were conducted on September 9, 2004 from 9:00 to 10:00 am and from 3:00 to 4:00 pm on Montebello Avenue west of Amelynn Crescent/Century Grove Boulevard. The following table summarizes the results of this investigation.

| DATE | TIME | LOCATION | DIRECTION | AVERAGE SPEED |
|-------------------|------------------|--------------------------|-----------|---------------|
| September 9, 2004 | 9:00am – 10:00am | West of Amelynn Crescent | Eastbound | 41 |
| | 9:00am – 10:00am | West of Amelynn Crescent | Westbound | 43 |
| September 9, 2004 | 3:00pm – 4:00pm | West of Amelynn Crescent | Eastbound | 42 |
| | 3:00pm – 4:00pm | West of Amelynn Crescent | Westbound | 42 |

The average speeds on Montebello Avenue range from 41 to 43 km/h indicating a high level of compliance with the existing speed limit. Therefore, no changes to the statutory 50 km/h speed limit are recommended.

There are no sight distance restrictions noted at this intersection. There were also no reported vehicle collisions at this intersection. Montebello Avenue is designated as a through street with the stop control located on the side streets.

Relationship to Vaughan Vision 2007

This traffic study is consistent with Vaughan Vision 2007 as to identify and implement innovative traffic management alternatives to improve general traffic safety (1.1.3).

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

Conclusion

Based on staff's review, it is recommended that an all-way stop control not be installed at the intersection of Montebello Avenue and Amelynn Crescent/Century Grove Boulevard. It is also recommended that no changes are made to the statutory 50 km/h speed limit on Montebello Avenue from Monte Carlo Drive to Forest Fountain Drive.

Attachments

1. Location Map

Report prepared by

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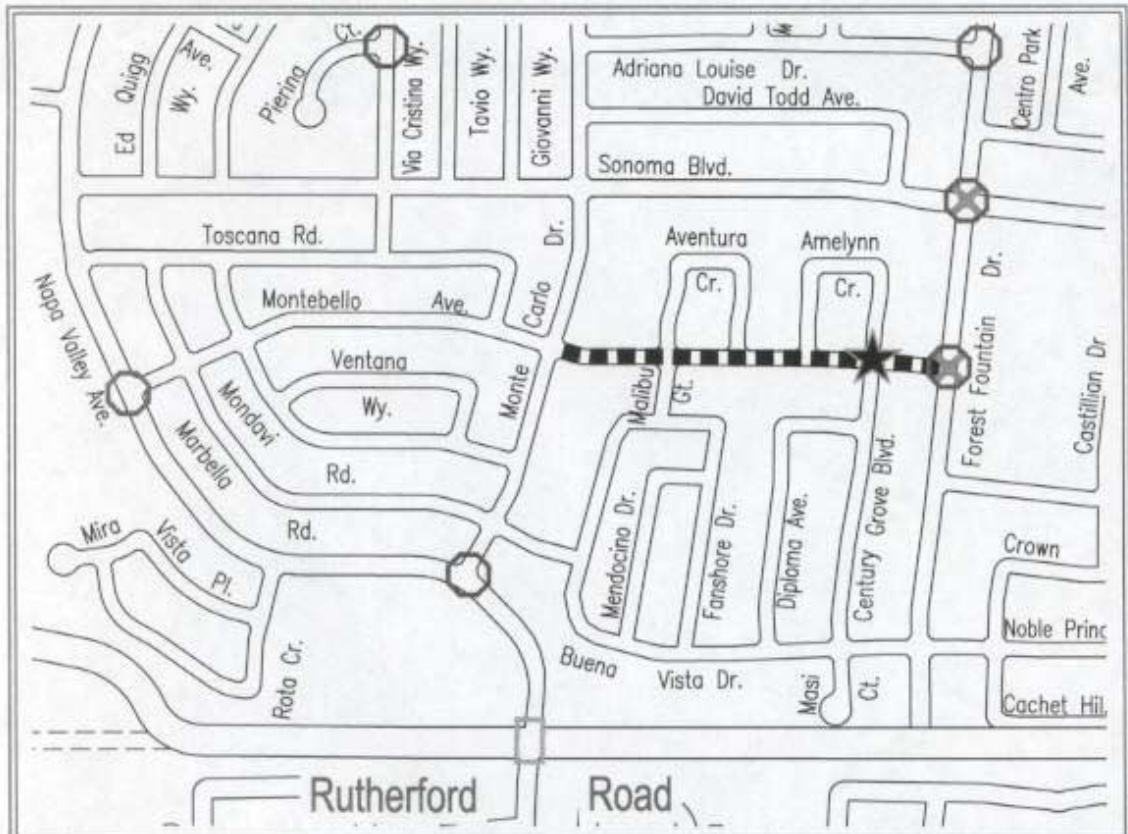
Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services






:MR

ATTACHMENT No. 1



MONTEBELLO AVENUE PROPOSED 40km/hr SPEED LIMIT and PROPOSED ALL-WAY STOP CONTROL

LEGEND

-  INTERSECTION UNDER REVIEW
-  ROADWAY UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SUPERVISED SCHOOLCROSSING



NOT TO SCALE

CITY OF WAUGHAN - ENGINEERING DEPARTMENT

DRAFTSPERSON: SMM

Drawing name: R:\ENGINEERING\TRANSPORT\Montebello.dwg