COMMITTEE OF THE WHOLE – OCTOBER 4, 2004

FOSSIL HILL ROAD
PROPOSED ALL-WAY STOP CONTROLS

Recommendation

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control not be installed at the intersection of Fossil Hill Road and Maria Antonia Road.

Purpose

To review the feasibility of implementing an all-way stop control at the intersection of Fossil Hill Road and Maria Antonia Road, in response to direction from Council.

Background - Analysis and Options

At its meeting on September 27, 2004 Council directed:

1) ***"That clause 1 of the recommendation contained in the following report of Regional Councillor Jackson, dated September 20, 2004, be approved; and***

2) ***That an all-way stop control be installed at the intersection of Davos Road and Fossil Hill Road."***

Fossil Hill Road, Davos Road, and Maria Antonia Road are all primary feeder roads, and the speed limit is a statutory 50 km/h. Existing stop controls are located on Davos Road at Fossil Hill Road, and on Fossil Hill Road at Maria Antonia Road. The area is shown on Attachment No. 1.

Staff conducted turning movement counts on September 20, 2004 at both intersections during peak travel periods. The times that the counts were conducted were from 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m. The collected traffic volumes compared to the Provincial Warrant for All-way Stop Control are as shown below.

Fossil Hill Road and Davos Road

- Warrant 1 – Minimum Vehicular Volumes — Warranted 150%
- Warrant 2 – Accident Hazard — Warranted 17%
- Warrant 3 – Sight Restriction — Warranted 0%

Fossil Hill Road and Maria Antonia Road

- Warrant 1 – Minimum Vehicular Volumes — Warranted 75%
- 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 count at Fossil Hill Road and Davos Road meet the requirements of the Provincial Warrant for All-Way Stop Control. Council has directed that an all-way stop be installed at the intersection. Arrangements are underway to complete this work.

However, the results of the turning movement count at Fossil Hill Road and Maria Antonia Road do not meet the requirements of the Provincial Warrant for All-Way Stop Control. Staff will continue to monitor this intersection, as area development is not complete. The above results reflect the highest peak traffic hour at these intersections.

There are no sight distance restrictions noted at these intersections. There were two reported collisions at Fossil Hill Road and Davos Road, and no reported collisions at Fossil Hill Road and Maria Antonia Road.

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 Fossil Hill Road and Maria Antonia Road.

Attachments

1. Location Map

Report prepared by

Mark Ranstoller, Senior Transportation Technologist, ext. 8251
Mike Dokman, Supervisor, Traffic Engineering, ext. 8031

Respectfully submitted,

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

Gary Carroll, P. Eng.
Director of Engineering Services

:MR

ATTACHMENT No. 1