

**COMMITTEE OF THE WHOLE – JANUARY 22, 2007**

**MISTY MEADOW DRIVE AND TWINBERRY CRESCENT/IRISH MOSS COURT  
PROPOSED ALL-WAY STOP CONTROL**

**Recommendation**

The Commissioner of Engineering and Public Works recommends:

That an all-way stop control not be installed at the intersection of Misty Meadow Drive and Twinberry Crescent/Irish Moss Court.

**Economic Impact**

Not Applicable.

**Purpose**

To review the feasibility of installing an all-way stop control at the intersection of Misty Meadow Drive and Twinberry Crescent/Irish Moss Court, as directed by Council.

**Background - Analysis and Options**

At its June 26, 2006 meeting, the Committee of the Whole recommended:

- “1. That the recommendation contained in the following report of the Commissioner of Engineering and Public Works, dated June 19, 2006 be approved;**
- 2. That staff review the feasibility of installing a four-way stop at Misty Meadow Drive and Twinberry Crescent; and**
- 3. That the deputation of Ms. Jenny Fiorini, 62 Misty Meadow Drive, Woodbridge, L4L 3V7, be received.”**

Misty Meadow Drive is a two-lane, local roadway with a 20.0 metre right-of-way and an existing speed limit of 40 km/h. Twinberry Crescent is a two-lane, local roadway with 20.0 metre right-of-way and a statutory speed limit of 50 km/h. Irish Moss Court is a two-lane, residential court with a 17.0 metre right-of-way and a statutory speed limit of 50 km/h. (See Attachment No. 1).

Staff conducted a traffic study on Wednesday, September 20, 2006 to determine the feasibility of implementing an all-way stop control at the intersection of Misty Meadow Drive and Twinberry Crescent/ Irish Moss Court. Traffic volumes were collected during the peak time periods of 7:00 a.m. to 9:00 a.m., and 4:00 p.m. to 6:00 p.m. On the day of the study, the weather was sunny and a few cloudy periods. The data collected was compared to the Provincial Warrant for All-way Stop Control with the following results:

- |   |           |     |
|---|-----------|-----|
| • Warrant 1 – Minimum Vehicular Volumes | Warranted | 41% |
| • Warrant 2 – Collision Hazard          | Warranted | 0%  |
| • Warrant 3 – Sight Restriction         | Warranted | 0%  |

All-way stop controls are recommended when one of the above warrants are satisfied 100% or more. Existing traffic volumes fulfill 41% of the warrant requirements. There have been no vehicle collisions at this intersection susceptible to prevention by an all-way stop control over the last twelve-month period. There are no sight distance restrictions at this intersection. Based on

this review, staff does not recommend the implementation of an all-way stop control for the intersection of Misty Meadow Drive and Twinberry Crescent/ Irish Moss Court.

**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 safety (1.1.3).

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

**Conclusion**

Based on this review, an all-way stop control for the intersection of Misty Meadow Drive and Twinberry Crescent/ Irish Moss Court is not recommended.

**Attachments**

1. Location Map

**Report prepared by:**

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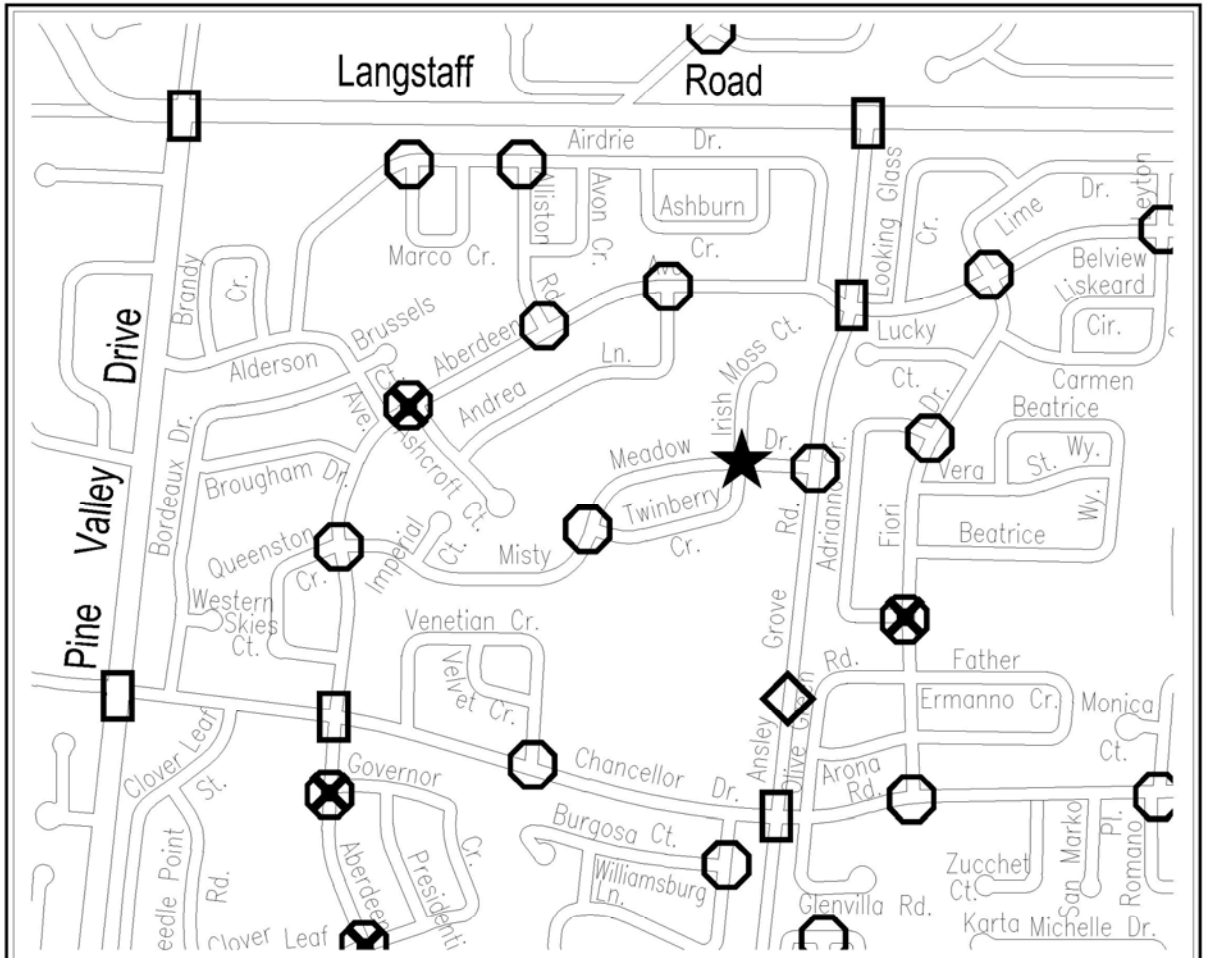
Respectfully submitted,

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

Gary Carroll, P. Eng.  
Director of Engineering Services






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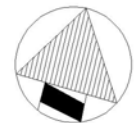
# ATTACHMENT No. 1



## MISTY MEADOW DRIVE and TWINBERRY CRESCENT / IRISH MOSS COURT PROPOSED ALL - WAY STOP CONTROL

### LEGEND

-  INTERSECTION UNDER REVIEW
-  EXISTING TRAFFIC SIGNALS
-  EXISTING ALL-WAY STOP CONTROL
-  EXISTING SCHOOL CROSSING GUARD
-  EXISTING PEDESTRIAN SIGNAL



NOT TO SCALE