

COMMITTEE OF THE WHOLE – DECEMBER 9, 2002

NAPA VALLEY AVENUE ALLWAY STOP CONTROL REQUESTS

Recommendation

The Commissioner of Engineering and Public Works recommends:

That allway stop controls be installed at the following intersections:

- Napa Valley Avenue and Sunset Ridge/Lorna Jackson School access; and
- Napa Valley Avenue and Casa Vista Drive/St. Stephens School access.

Purpose

A request was received from the Sonoma Heights Ratepayers Neighbourhood Traffic Committee to review the feasibility of implementing allway stop controls on Napa Valley Avenue, specifically the section between Sonoma Boulevard and Monte Carlo Drive (north intersection).

Background - Analysis and Options

The Sonoma Heights Ratepayers Neighbourhood Traffic Committee has expressed concerns regarding the safety of children walking to and from school and excessive vehicle speeds along the curve on this section of Napa Valley Avenue. The traffic committee suggested the implementation of allway stop controls on Napa Valley Avenue at Monte Carlo Drive (north intersection), Sunset Ridge/Lorna Jackson School access, Casa Vista Drive/St. Stephens School access, Fontesalva Avenue and Sonoma Boulevard.

Napa Valley Avenue is a primary road through the Woodbridge Expansion Area. The speed limit has recently been reduced from 50 km/h to 40 km/h. There are two schools on the south side of Napa Valley Avenue between Fontesalva Avenue and Sunset Ridge: St. Stephens Catholic Elementary School and Lorna Jackson Public School. There are existing crossing guards at the intersections of Napa Valley Avenue and Casa Vista Drive (north side), and at Napa Valley Avenue and Sunset Ridge/Lorna Jackson Public School Access (west side). There are existing allway stop controls on Napa Valley Avenue at Silver Oaks Boulevard, Forest Fountain Drive, Amarone Avenue, Montebello Avenue and Monte Carlo Drive (south intersection). Refer to Attachment No.1.

Staff conducted traffic studies at the intersections of Sonoma Boulevard, Monte Carlo Drive (north intersection), Fontesalva Avenue, Casa Vista Drive/St. Stephens School access and Sunset Ridge/Lorna Jackson Public School access during the time periods of 7:30 am to 9:00 am and 3:00 pm to 5:30 pm. The results of the traffic studies are summarized below:

| Intersection | Warrant Analysis | Date of Traffic Study |
|---|------------------|-----------------------|
| 1. Sunset Ridge/Lorna Jackson School access | 100% | October 22, 2002 |
| 2. Casa Vista/St. Stephens School access | 100% | November 5, 2002 |
| 3. Fontesalva Avenue | 75% | November 6, 2002 |
| 4. Monte Carlo Drive (north intersection) | 61% | October 31, 2002 |
| 5. Sonoma Boulevard | 40% | October 21, 2002 |

There are no sight distance restrictions noted at the above intersections. Staff reviewed the vehicle collision history and concluded there are no reported vehicle collisions susceptible to correction by the installation of an allway stop control. Accordingly, staff recommends the installation of an allway stop control at the intersections of Napa Valley Avenue and Sunset Ridge/Lorna Jackson School access and at Napa Valley Avenue and Casa Vista Drive/St. Stephens School access.

Staff will continue to monitor the traffic volumes at the intersection of Napa Valley Avenue and Fontesalva Avenue as development growth occurs. An allway stop control will be recommended should it be warranted in the future.

Traffic volumes at the intersection of Napa Valley Avenue and Sonoma Boulevard are relatively low since it is a three-way intersection and residents have two options available to exit the subdivision (eastbound to Clarence Street and southbound to Rutherford Road).

Traffic volumes at the Napa Valley Avenue and Monte Carlo Drive (north intersection) are also relatively low. The intersection is located approximately 170 metres east of Sunset Ridge and approximately 120 metres west of Amarone Avenue. The close proximity of the three intersections may contribute to a high percent of non-compliance of the existing stop signs on Napa Valley Avenue. Therefore, staff does not recommend the installation of an allway stop control at Napa Valley Avenue and Monte Carlo Drive (north intersection).

Conclusion

Based on this review, it is recommended that an allway stop controls be installed at the intersections of Napa Valley Avenue and Sunset Ridge/Lorna Jackson School access, and Napa Valley Avenue and Casa Vista Drive/St. Stephens School access.

Attachments

1. Location Map

Report prepared by

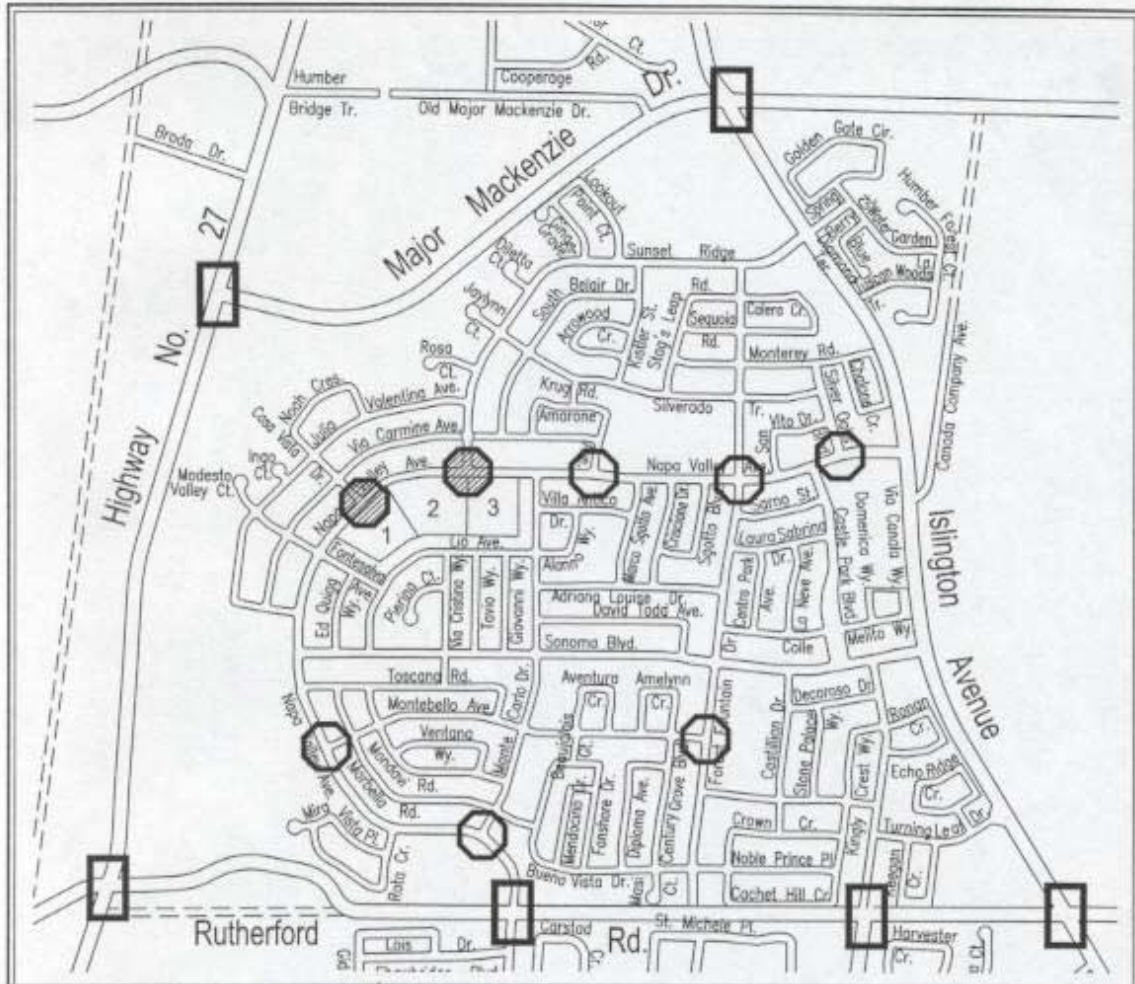
Mike Dokman, Senior Transportation Technologist, ext. 8031
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Respectfully submitted,

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

MD/fc

ATTACHMENT No. 1






NAPA VALLEY AVENUE PROPOSED ALLWAY STOP CONTROL

NOT TO SCALE



LEGEND

- | | | | |
|---|------------------------------|---|--|
|  | PROPOSED ALLWAY STOP CONTROL | 1 | ST. STEPHEN'S CATHOLIC ELEMENTARY SCHOOL |
|  | EXISTING TRAFFIC SIGNALS | 2 | NEIGHBOURHOOD PARK |
|  | EXISTING ALLWAY STOP CONTROL | 3 | LORNA JACKSON PUBLIC SCHOOL |

CITY OF VAUGHAN - ENGINEERING DEPARTMENT

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