

All-Way Stop Control: Invermay Avenue and King High Avenue

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| Date: | August 17, 2009 |
| To: | North York Community Council |
| From: | Director, Transportation Services Division, North York District |
| Wards: | Ward 10 – York Centre |
| Reference Number: | <i>ny09055</i> |

SUMMARY

This staff report is about a matter that the Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

To obtain approval to introduce an all-way stop control at the intersection of Invermay Avenue and King High Avenue.

The installation of an all-way stop control at the intersection of Invermay Avenue and King High Avenue will address the existing right-of-way conflicts for motorists and pedestrians.

RECOMMENDATIONS

Transportation Services Division, recommends that North York Community Council:

1. Amend Schedule XVIII of By-law 31001, of the former City of North York, by deleting Invermay Avenue as a through street, from the easterly limit of Faywood Boulevard to the westerly limit of Bathurst Street;
2. Amend Schedule XIX of By-law 31001, of the former City of North York, to require traffic to stop on all approaches to the intersection of Invermay Avenue and King High Avenue east intersection

FINANCIAL IMPACT

All costs associated with the installation of an all-way stop control are included within the Transportation Services Division, North York District's 2009 Operating Budget estimates.

ISSUE BACKGROUND

The Transportation Services Division, North York District was requested by Councillor Mike Feldman, on behalf of an area resident, to consider the installation of an all-way stop control at the intersection of Invermay Avenue and King High Avenue east intersection, in order to address existing right-of-way conflicts involving vehicles and pedestrians.

COMMENTS

Invermay Avenue and King High Avenue are classified as local roads. Invermay Avenue has a regulatory speed limit of 50 km/h with a 40 km/hr speed zone immediately east and west of the intersection with King High Avenue. King High Avenue has a posted speed limit of 40 km/hr. Currently northbound traffic on King High Avenue is required to stop at Invermay Avenue.

In order to assess existing traffic conditions, this division conducted an all-way stop study. During the completion of the study, staff recorded the total volume of traffic which utilized the intersection, observed delays and right-of-way conflicts and noted the intersection geometry.

The following table illustrates the results of the study:

| Invermay Avenue at King High Avenue | | Actual | Required | Satisfied (YES/NO) |
|-------------------------------------|---|---------|------------|-----------------------|
| A | Collision History (three year review) | 0/3 yrs | 6/3 yrs | NO |
| B1 | Total Vehicle Volumes | 151 | 250/avg hr | NO |
| B2 | Combined Vehicle & Pedestrian Volumes Crossing Major Road | 101 | 100/avg hr | YES |
| B3 | Percentage of Traffic on Major Road | 60 | =70 | YES |
| Overall Warrant | | | | Yes |

In order for the all way stop "Overall Warrant" to be warranted either Warrant A must be met or Warrant B1 or B2 combined with Warrant B3 must be achieved.

The results of the all-way stop study concluded that the warrants for the installation of an all-way stop control were satisfied based on the "Vehicle & Pedestrian Volumes Crossing Major Road" and the fact that the vehicle volume split does not exceed 70 percent.

In reviewing the most recent three-year collision history (January 1, 2006 to December 31, 2008), there have been 'zero' collisions susceptible to correction by the installation of an all-way stop control. Motorist and pedestrian sightlines were found to be clear and unobstructed for all approaches.

In view of the above, we recommend the installation of an all-way stop control at the intersection of Invermay Avenue and King High Avenue east intersection, in order to address the right-of-way concerns at this location.

Councillor Mike Feldman has been advised of the recommendations in this staff report.

CONTACT

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SIGNATURE

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Director

ATTACHMENTS

Attachment 1: Map – All Way Stop Control: Invermay Av and King High Av
(ny09055_map)