



**STAFF REPORT  
ACTION REQUIRED**

**All-Way Stop Controls Not Recommended – Minerva Avenue and Waltonice Road, Minerva Avenue and Andrew Avenue**

<b>Date:</b>	October 21, 2008
<b>To:</b>	Scarborough Community Council
<b>From:</b>	Director, Transportation Services, Scarborough District
<b>Wards:</b>	Ward 36– Scarborough Southwest
<b>Reference Number:</b>	P:\2008\Cluster B\TRA\Scarborough\sc08093 D08-3015705 (D07-1612) Minerva Waltonice Andrew awsc not warranted

**SUMMARY**

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This staff report is about a matter for which the Community Council has delegated authority from City Council to make a final decision.

This report reviews a request to install All-Way Stop Controls at the intersections of Minerva Avenue at Waltonice Road and Minerva Avenue at Andrew Avenue. The report shows that these intersections failed to meet the required technical warrants for this type of traffic control.

**RECOMMENDATIONS**

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**Transportation Services, Scarborough District, recommends that Scarborough Community Council:**

1. Not approve the installation of an All-Way Stop Control at the intersection of Minerva Avenue at Waltonice Road.
2. Not approve the installation of an All-Way Stop Control at the intersection of Minerva Avenue at Andrew Avenue.
3. Not amend the appropriate by-law accordingly.

## **Financial Impact**

There would be no financial impact associated with the staff recommendation; however, if All-Way Stop Controls were to be installed, the financial cost of installing the four addition stop signs, upgrading the existing signage and associated pavement markings is approximately \$2,750.00. The funding for these stop controls would be available in the Transportation Services 2008 Operating Budget, within Cost Centre TP0397.

## **ISSUE BACKGROUND**

Further to a request from Councillor Brian Ashton, Transportation Services staff reviewed the feasibility of installing All-Way Stop Controls at the intersections of Minerva Avenue at Waltonice Road and Minerva Avenue at Andrew Avenue. A petition was received by the Councillor from the area residents.

## **COMMENTS**

The following characteristics describe the intersections of Minerva Avenue at Waltonice Road and Minerva Avenue at Andrew Avenue:

- These intersections are located in the community west of Brimley Road and north of St Clair Avenue East.
- Minerva Avenue is a two-lane, east-west local roadway with a speed limit of 50 kilometres per hour and a daily traffic volume of approximately 570 vehicles per day. It has an 85<sup>th</sup> percentile speed of approximately 44 km/h (Wednesday, January 9, 2008).
- Waltonice Road and Andrew Avenue are both two lane north-south, local roads that intersect Minerva Avenue at right angles and are stop controlled on both northbound and southbound approaches. Both roads have a speed limit of 50 kilometres per hour.
- Land use in the area is residential single family.
- A new residential subdivision is under construction just to the west of the study area north of Jeanette Street.
- Sidewalks are only partially installed on the south side of Minerva Avenue, running east of Andrew Avenue to Brimley Road.

All-Way Stop Controls are not recommended at the intersections of Minerva Avenue at Waltonice Road and Minerva Avenue at Andrew Avenue, since the subject intersections failed to meet the warrants for an All-Way Stop Control installation, as adopted by Council for use in the city of Toronto.

### All-Way Stop Control Warrant Study

A traffic study conducted at the intersections of Minerva Avenue at Waltonice Road and Minerva Avenue and Andrew Avenue during the morning and afternoon peak hours of a typical weekday (Wednesday, December 5, 2007 and Thursday, December 6, 2007, respectively) produced the following results:

All-Way Stop Control Warrant	A Total Approach Vehicle Volume	B Vehicle/Pedestrian Volume Crossing Major Road	C Unit Volume Split* Major/Minor Roads
Minerva Avenue at Waltonice Road	42	16	64/36
Minerva Avenue at Andrew Avenue	61	34	53/47
Warrant Requirements For Study Period Average For Local Roads	≥ 250	≥ 100	≥ 30/70 or ≤ 70/30

\* "Unit Volume Split": Major Road Volume – Vehicles only.  
Minor Road Volume – Vehicles plus pedestrians crossing the major road.

For an All-Way Stop Control to be numerically justified, the traffic volume requirements for the "Study Period Average" must be completely satisfied in Categories A and C, or Categories B and C.

As outlined in the above table, the traffic volumes do not meet the requirements to install All-Way Stop Controls at the subject intersections at this time.

A review of the collision records at both intersections revealed that one collision was reported during the five-year period ending December 31, 2006. The subject collision occurred at the intersection of Minerva Avenue and Andrew Avenue in 2005, and this collision is considered one that would potentially be preventable by the installation of an All-Way Stop Control.

Accordingly, based on the above-mentioned traffic study results, All-Way Stop Controls are not recommended at the subject intersections.

## **CONTACT**

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## **SIGNATURE**

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## **ATTACHMENTS**

1. Location Plan ( Request for All-Way Stop Controls on Minerva Avenue at Andrew Avenue and Waltonice Road)