



# EXHIBIT: K

## CITY OF GREATER SUDBURY ALL-WAY STOP WARRANTS

Location:	<u>Niemi Road at Sugarbush Drive</u>	Date:	<u>December 04, 2013</u>
Date of TM Count:	<u>August 15, 2013</u>	Analyst:	<u>JR</u>
Type of Intersection:	<u>T</u>		
Roadway Type	<u>Minor Collector</u>		
AADT of Main Road:	<u>1000</u>		

### All-Way Stop Warrant Summary

Warrant #1	Minimum Vehicle Volume	<table border="1"><tr><td>13</td><td>%</td></tr></table>	13	%
13	%			
Warrant #2	Collision History	<table border="1"><tr><td>0</td><td>%</td></tr></table>	0	%
0	%			
Warrant #3	Traffic Control Signals	<table border="1"><tr><td>No</td><td>Y/N</td></tr></table>	No	Y/N
No	Y/N			

**All-Way Stop Warranted?**

<b>No</b>	Y/N
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#### Warrant #1 - Minimum Vehicle Volume

Roadway Type	Arterial/Major Collector	Minor Collector	Local	Vehicles per hour	Percent Compliance
AADT	> 5000	<b>1000 - 5000</b>	< 1000		
Count Period	7 hours	<b>4 peak hours</b>	4 peak hours		
Total vehicle volume from all approaches is ≥	500/hr	<b>350/hr</b>	250/hr	<b>87</b>	<b>25%</b>
Veh + Pedestrian volume from side street is ≥	200/hr	<b>140/hr</b>	N/A	<b>18</b>	<b>13%</b>
Traffic Split	70/30	<b>70/30</b>	70/30	<b>80/20</b>	<b>67%</b>

#### Warrant #2 - Collision History

Roadway Type	Arterial/Major Collector	Minor Collector	Local	Number of Collisions per year	Percent Compliance
Collisions per Year over 3 year period	4*	<b>3*</b>	2*	<b>0</b>	<b>0.0%</b>

**Warrant #3** **Traffic Control Signals are warranted and urgently needed, signs to be used as interim measures.**

<b>No</b>	Y/N
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\* Only those collisions susceptible to relief through multi-way stop control must be consider (i.e. right angle and turning types).

- If the intersection meets warrant # 1, then the all-way stop is recommended regardless of the remaining warrants.
- If the intersection does not meet warrant #1 and does not meet warrant #2, then the all-way stop is not recommended.
- If the intersection does not meet warrant #1 and does meet warrant #2, then the all-way stop is recommended.