

# EXHIBIT: C2



## CITY OF GREATER SUDBURY ALL-WAY STOP WARRANTS

Location: Bouchard Street at Marcel Street Date: October 25, 2011  
 Date of TM Count: 10/04/2011 Analyst: JR  
 Type of Intersection: Cross  
 Roadway Type: Arterial/Major Collector  
 AADT of Main Road: 10000

### All-Way Stop Warrant Summary

Warrant #1	Minimum Vehicle Volume	<u>30.0</u>	%
Warrant #2	Collision History	<u>16.7</u>	%
Warrant #3	Traffic Control Signals	<u>No</u>	Y/N

**All-Way Stop Warranted?** **No** Y/N

#### Warrant #1 - Minimum Vehicle Volume

Roadway Type	Arterial/Major Collector	Minor Collector	Local	Vehicles per hour	Percent Compliance
AADT	> 5000	1000 - 5000	< 1000		
Count Period	7 hours	4 peak hours	4 peak hours		
Total vehicle volume from all approaches is ≥	500/hr	350/hr	250/hr	930	100.0%
Veh + Pedestrian volume from side street is ≥	200/hr	140/hr	N/A	87	43.4%
Traffic Split	70/30	70/30	70/30	91 / 9	30.0%

#### 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*	3*	2*	2/3	16.7%

**Warrant #3** Traffic Control Signals are warranted and urgently needed, signs to be used as interim measures. **No** Y/N

\* 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.