

# EXHIBIT: D



## CITY OF GREATER SUDBURY ALL-WAY STOP WARRANTS

Location: Balsam Street at Power Street Date: March 3, 2011  
 Date of TM Count: May 25, 2010 Analyst: JR  
 Type of Intersection: Cross  
 Roadway Type: Minor Collector  
 AADT of Main Road: 3998

### All-Way Stop Warrant Summary

Warrant #1 Minimum Vehicle Volume  %  
 Warrant #2 Collision History  %  
 Warrant #3 Traffic Control Signals  Y/N

All-Way Stop Warranted?  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	461	100.0%
Veh + Pedestrian volume from side street is ≥	200/hr	140/hr	N/A	185	100.0%
Traffic Split	70/30	70/30	70/30	62 / 38	100.0%

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*	1	33.3%

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