

APPENDIX A



CITY OF GREATER SUDBURY ALL-WAY STOP WARRANTS

Location: Attlee Avenue at Roland Street Date: 5/11/2020
 Date of TM Count: 11/25/2019 Analyst: SB
 Type of Intersection: Cross

All-Way Stop Warrant Summary

Warrant #1	Minimum Vehicle Volume	38%	%
Warrant #2	Collision History	0%	%
Warrant #3	Traffic Control Signals	NO	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	350	250	94	38%
Veh + Pedestrian volumes from side street is ≥	200/hr	140/hr	N/A		
Traffic Split	70/30	70/30	70/30	59/41	100%

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*	0	0%

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.