



CITY OF GREATER SUDBURY ALL-WAY STOP WARRANTS

Location: Greenbriar Drive at Scarlett Road
 Date of TM Count: November 20, 2023
 Type of Intersection: T
 Roadway Type: Local
 AADT of Main Road: 1000

Date: November 20, 2023
 Analyst: RP

All-Way Stop Warrant Summary

Warrant #1	Minimum Vehicle Volume	59	%
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/hr	350/hr	250/hr	147	59%
Veh + Pedestrian volume from side street is ≥	200/hr	140/hr	N/A	72	N/A
Traffic Split	70/30	70/30	70/30	51/49	100%

Warrant #2 - Collision History

Roadway Type	Arterial/Major Collector	Minor Collector	Local	Total Number of Collisions	Percent Compliance
Total Collisions over a 3 year period	12*	9*	6*	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.