

City of Kawartha Lakes
All Way Stop Prelim-Warrant



Location: Hartley Rd and Lorneville Rd

Warrant	Description	Arterial/ Collector	Local	Actual Count	Meets Warrant?
Minimum Vehicle Volume	A. Total vehicular volume entering intersection from all approaches to exceed specified amount for each hour of an eight hour period and	500 veh/hr. *	350 Veh for highest hour *	<50 for highest hour	No
	B. Combined vehicle and pedestrian volume for minor street to average 200 units per hour for eight hour period.	200	N/A		N/A
	C. Average delay for vehicles entering intersection over eight hours.	30 seconds	N/A		No
Directional Split	Major/Minor directional split of vehicle entering intersection over eight hours not to exceed.	70/30 *	65/35 4- way 75/25 3- way *	79/21	No
Accident Criteria	A. Average reported accidents (susceptible to relief through multi-stop control) per year for a three year period.	4	4	0	No
	B. Adequate trail of less restrictive remedies has failed to reduce accident frequency.				N/A
Interim Measure	All way stops may be used as an interim measure where traffic signals are warranted.				N/A
Sight Distance	All way stops may be used where the minimum sight distance is not achieved.				No
Warrant Met?	The warrant is deemed to be met if the minimum vehicle volume AND directional split is met OR the accident criteria is met.				No
Recommendation:		Note: This is a preliminary warrant using roads needs AADT estimates which show that an actual 8 hours count would not be justified. Actual tube counts on Hartley Rd support the roads needs estimate.			

- Minimum Vehicle Volume (Arterial) must be Yes for A, B and C (Just 'A' for local roads)
- Accident Criteria must be Yes for A and B
- Must meet both Minimum Vehicle Volume AND Directional Split, or just Accident Criteria.