

Ontario Traffic Manual Book 5 – All-way Stop Control (AWSC) Warrant Criteria

		WARRANT CONDITIONS	URBAN ARTERIAL ROADS	RURAL ARTERIAL & MAJOR COLLECTOR ROADS	MINOR COLLECTOR / LOCAL ROADS
WARRANT 1	MINIMUM VOLUMES	a) TOTAL VEHICLE VOLUME PER HOUR FROM ALL APPROACHES	EXCEEDS 500 VEHICLES PER HOUR FOR EACH OF THE HIGHEST 8 HOURS OF THE DAY, AND	EXCEEDS 375 VEHICLES PER HOUR FOR EACH OF THE HIGHEST 8 HOURS OF THE DAY, AND	EXCEEDS 200 VEHICLES PER HOUR FOR EACH OF THE HIGHEST FOUR HOURS OF THE DAY, AND .
		b) COMBINED VEHICLE AND PEDESTRIAN VOLUME PER HOUR ON THE MINOR STREET	EXCEEDS 200 UNITS PER HOUR (ALL VEHICLES PLUS PEDESTRIANS WISHING TO ENTER THE INTERSECTION) ON THE MINOR STREET FOR EACH OF THE SAME 8 HOURS AS THE TOTAL VOLUME; OR EXCEEDS 150 UNITS PER HOUR (ALL VEHICLES PLUS PEDESTRIANS WISHING TO ENTER THE INTERSECTION) ON THE MINOR STREET FOR EACH OF THE SAME 8 HOURS AS THE TOTAL VOLUME, WITH AN AVERAGE DELAY (VEHICLES AND PEDESTRIANS) OF GREATER THAN 30 SECONDS FOR THE ENTIRE 8 HOUR PERIOD, AND	EXCEEDS 150 UNITS PER HOUR (ALL VEHICLES PLUS PEDESTRIANS WISHING TO ENTER THE INTERSECTION) ON THE MINOR STREET FOR EACH OF THE SAME 8 HOURS AS THE TOTAL VOLUME; OR EXCEEDS 120 UNITS PER HOUR (ALL VEHICLES PLUS PEDESTRIANS WISHING TO ENTER THE INTERSECTION) ON THE MINOR STREET FOR EACH OF THE SAME 8 HOURS AS THE TOTAL VOLUME, WITH AN AVERAGE DELAY (VEHICLES AND PEDESTRIANS) OF GREATER THAN 30 SECONDS FOR THE ENTIRE 8 HOUR PERIOD, AND	EXCEEDS 75 UNITS PER HOUR (ALL VEHICLES PLUS PEDESTRIANS WISHING TO ENTER THE INTERSECTION) ON THE MINOR STREET FOR EACH OF THE SAME 4 HOURS AS THE TOTAL VOLUME, AND
		c) MAJOR STREET vs. MINOR STREET TOTAL DAILY VOLUME SPLIT	70% / 30% FOR 4-WAY CONTROL OR 75% / 25% FOR 3-WAY CONTROL IS PERMISSIBLE *Major street is defined as vehicles only *Minor street is defined as vehicles plus any pedestrians wishing to cross the major roadway	70% / 30% FOR 4-WAY CONTROL OR 75% / 25% FOR 3-WAY CONTROL IS PERMISSIBLE *Major street is defined as vehicles only *Minor street is defined as vehicles plus any pedestrians wishing to cross the major roadway	70% / 30% FOR 4-WAY CONTROL OR 75% / 25% FOR 3-WAY CONTROL IS PERMISSIBLE *Major street is defined as vehicles only *Minor street is defined as vehicles plus any pedestrians wishing to cross the major roadway
WARRANT 2	COLLISION EXPERIENCE	MINIMUM NUMBER OF RIGHT-ANGLE/TURN COLLISIONS PER YEAR, OVER A 3 YEAR PERIOD	4	3	3