

## Multi-Way Stop Rating System

D	Location: Mathews Street @ Whitfield Street
1.	Location: Mathews Street @ Whitfield Street
	Street Classification:  a. Street 1: Mathews Street (25 mph.) Classification: Local  b. Street 2: Whitfield Street (25 mph.) Classification: Local
3.	ISD (looking left) is: greater than the minimum requirement (280 ft) ISD (looking right) is: greater than the minimum requirement (280 ft)
4.	85th Percentile Speed on Main (Thru) Street: 33-34 mph (data collected 2/3/20 to 2/4  ARRANT ANALYSIS  32-34 mph (data collected 4/16/20 to 4/
W	ARRANT ANALYSIS 32-34 mph (data collected 4/11/20 to all
A.	As an interim measure prior to signalization:  WARRANT MET:YESNO
B.	Total Accidents Within a One-Year Time Period:  5 Preventable by Multi-Way (right and left turn collisions as well as right angle collisions):  WARRANT MET:YESNO
C.	Total Volumes for any 8 hours – The total vehicles entering the intersection from the major street approaches must average at least 300 vehicles per hour for any 8 hours (210 if 85 <sup>th</sup> percentile exceeds 40 mph)  WARRANT MET:YESNO
D.	The combined vehicular & pedestrian volume from the minor street must average at least 200 vehicles per hour for the same 8 hours (140 if the 85 <sup>th</sup> percentile exceeds 40 mph) with an average delay to minor street traffic of at least 30 seconds per vehicle during the peak hour  WARRANT MET:YESNO
	Where no single criterion is satisfied but where Criteria B, C and D are all satisfied to 80 percent of minimum values (excluding 85 <sup>th</sup> percentile speeds)  WARRANT MET:YESNO
	Other Criteria That May be Considered: A. The need to control LT conflicts:YN  B. The need to control vehicle/pedestrian conflicts near locations with high pedestrian volumes:YN  C. Locations with limited ISD:YN
RE	COMMENDATION:
	MULTI-WAY STOP IS NOT WARRANTED AT THIS INTERSECTION BASED ON
	VOLUME AND STUIT DISTANCE. SPEED HUMPS HAVE BELL RECOMMUNDED.

## Intersection Sight Distance (ISD) Requirements:

