

**SANTA CLARA COUNTY ROADS AND AIRPORTS DEPARTMENT
WARRANTS FOR ALL-WAY STOP SIGN INSTALLATION
(Low Volume Streets)**

Location:

Date: 4/30/2018

Hill Road
Major Street

Barrett Avenue
Minor Street

All-way stop sign installation may be considered if any of the following conditions exist:

1. Volume	ADT	Yes/No	Warranted
a) The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least 300 veh/hr. for any 8-hrs of an average day (24-hr equivalent of 2400 veh/day, minimum) if 70% 1680	6197	YES	NO
b) The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least 200 units/hr. for the same 8-hrs. (1600 veh/day, minimum) if 70% 1120	912	NO	
c) When the 85th percentile approach speed exceeds 40 mph (65 km/h), the minimum vehicular volume warrant is 70% of the above requirements.	85 th % 47	YES	
2. Collisions Five or more collisions of types susceptible to correction by stop signs within a 12-month period, with satisfactory observance and enforcement of less restrictive control.	No. of Coll. 0	NO	NO
3. 80% Values for Volumes and Accidents (only if all below are met):	ADT		
a) 80% of 2400 veh/day = 1920	6197	YES	NO
b) 80% of 1600 veh/day = 1280	912	NO	
c) 80% of five accidents = 4	0	NO	
4. Visibility The straight line sight distance on one or more approaches of the major street for vehicles or pedestrians crossing the intersection is less than 160 feet (50 m).	Distance Good	NO	NO
5. Residential Area Volume warrants to be reduced to 60% of the values above if all of the following conditions are met:			Yes/No
a) Both streets have residential frontage with existing 25 MPH (40 km/h) speed limits.		Yes/No	NO
b) Neither street is an adopted through street.		Yes/No	
c) Neither street exceeds 40 feet (12.5 m) of roadway width.		Yes/No	
d) No existing stop sign or signal is located on the more heavily traveled street within a distance of 800 feet (250 m).		Yes/No	
e) The intersection has four legs, with streets extending 800 feet (250 m) or more away from the intersection on at least three sides.		Yes/No	
f) Installation of All-way stop is compatible with overall traffic circulation needs for the residential area.		Yes/No	

Warranted: Yes No

** SEE EXISTING CONDITIONS COMMENTS (DATA INPUT SHEET)

Prepared By Clarence Salim, PE
Reviewed By Ananth Prasad, PE
PE# C59176 Exp. 06/30/19

Date: 4/30/2018
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