

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

Location:

Date: 4/23/2018

 Main Avenue
Major Street

 Elm Road
Minor Street

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

1. Volume	ADT	Yes/No	Warranted
a) Total vehicular volume entering the intersection from all approaches must average 500 vehicles per hour for any 6 hours of an average day.(24-hour equivalent of approximately 3000 vehicles) if 60% 1800	5897	<u>YES</u>	<u>YES</u>
b) In addition, the vehicular volume entering the intersection from the minor street or streets for the same 6 hours must average at least 1/3 of the total volume entering the intersection (200 per hour min.) if 60% 1179	1929	<u>YES</u>	
c) When the 85th percentile approach speed exceeds 64 km/h (40 MPH), the minimum vehicular volume warrant is 70% of the above requirements.	85 th % 40	<u>YES</u>	
2. Collisions Four 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. 1	<u>NO</u>	<u>NO</u>
3. 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 ft (50 m) for 25 mph (40 km/hr)	Distance Good	<u>NO</u>	<u>NO</u>
4. Residential Area Volume warrants to be reduced to 60% of the values above if all of the following conditions are met: a) Both streets have residential frontage with existing 40 km/h (25 MPH) speed limits. b) Neither street is an adopted through street. c) Neither street exceeds 40 ft. (12.5 m) of roadway width. d) No existing stop sign or signal is located on the more heavily traveled street within a distance of 800 ft. (250 m) e) The intersection has three legs, with streets extending 800 ft. (250 m) or more away from the intersection on at least two sides. f) Installation of a three-way stop is compatible with overall traffic circulation needs for the residential area.	Notes	Yes/No Yes/No Yes/No Yes/No Yes/No	Yes/No <u>YES</u>

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: 4/23/2018
Date: _____

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

Location: Half Road
Major Street
Mission View Drive
Minor Street

Date: 4/23/2018

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

1. Volume	ADT	Yes/No	Warranted
a) Total vehicular volume entering the intersection from all approaches must average 500 vehicles per hour for any 6 hours of an average day. (24-hour equivalent of approximately 3000 vehicles) if 60% 1800	7619	<u>YES</u>	YES
b) In addition, the vehicular volume entering the intersection from the minor street or streets for the same 6 hours must average at least 1/3 of the total volume entering the intersection (200 per hour min.) if 60% 1524	3586	<u>YES</u>	
c) When the 85th percentile approach speed exceeds 64 km/h (40 MPH), the minimum vehicular volume warrant is 70% of the above requirements.	85 th % 42	<u>YES</u>	
2. Collisions Four 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	<u>NO</u>	NO
3. 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 ft (50 m) for 25 mph (40 km/hr)	Distance Good	<u>NO</u>	NO
4. Residential Area Volume warrants to be reduced to 60% of the values above if all of the following conditions are met: a) Both streets have residential frontage with existing 40 km/h (25 MPH) speed limits. b) Neither street is an adopted through street. c) Neither street exceeds 40 ft. (12.5 m) of roadway width. d) No existing stop sign or signal is located on the more heavily traveled street within a distance of 800 ft. (250 m) e) The intersection has three legs, with streets extending 800 ft. (250 m) or more away from the intersection on at least two sides. f) Installation of a three-way stop is compatible with overall traffic circulation needs for the residential area.	Notes	Yes/No Yes/No Yes/No Yes/No Yes/No	Yes/No YES

Warranted: Yes No

** SEE EXISTING CONDITIONS COMMENTS (DATA INPUT SHEET)

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

Location: Half Road
Major Street
Elm Road
Minor Street

Date: 4/23/2018

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

1. <u>Volume</u>	ADT	Yes/No	Warranted
a) Total vehicular volume entering the intersection from all approaches must average 500 vehicles per hour for any 6 hours of an average day. (24-hour equivalent of approximately 3000 vehicles) if 60% 1800	4008	<u>YES</u>	YES
b) In addition, the vehicular volume entering the intersection from the minor street or streets for the same 6 hours must average at least 1/3 of the total volume entering the intersection (200 per hour min.) if 60% 802	1634	<u>YES</u>	
c) When the 85th percentile approach speed exceeds 64 km/h (40 MPH), the minimum vehicular volume warrant is 70% of the above requirements.	85 th % 42	<u>YES</u>	
2. <u>Collisions</u>	No. of Coll.		
Four 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.	0	<u>NO</u>	NO
3. <u>Visibility</u>	Distance		
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 ft (50 m) for 25 mph (40 km/hr)	Good	<u>NO</u>	NO
4. <u>Residential Area</u>	Notes		Yes/No
Volume warrants to be reduced to 60% of the values above if all of the following conditions are met:			
a) Both streets have residential frontage with existing 40 km/h (25 MPH) speed limits.		Yes/No	YES
b) Neither street is an adopted through street.		Yes/No	
c) Neither street exceeds 40 ft. (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 ft. (250 m)		Yes/No	
e) The intersection has three legs, with streets extending 800 ft. (250 m) or more away from the intersection on at least two sides.		Yes/No	
f) Installation of a three-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)**

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