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

Location:

Date: 4/23/2018

		Dutoi		
	Hill Road			
	Major Street			
	Fisher Avenue			
	Minor Street			
Three-way	stop sign installation may be considered if any of the following	conditions ex	ist:	
1. Volume		ADT	Yes/No	Warranted
a)	Total vehicular volume entering the intersection from all			
	approaches must average <u>500</u> vehicles per hour for any 6	2228		NO
	hours of an average day (24-hour equivalent of		YES	
	approximately <u>3000</u> vehicles) if 60% 1800		<u></u>	
(ס	In addition, the vehicular volume entering the intersection			
	from the minor street or streets for the same 6 hours			
	must average at least <u>1/3</u> of the total volume entering	115	NO	
	the intersection (200 per hour min.) if 60% 446			
c)	When the 85th percentile approach speed exceeds	85 th %		
· ·	64 km/h (40 MPH), the minimum vehicular volume			
	warrant is 70% of the above requirements.	47	YES	
2. Collisio		No. of Coll.		
Fo	ur or more collisions of types susceptible to correction by			NO
	op signs within a <u>12-month</u> period, with satisfactory	0	NO	
	servance and enforcement of less restrictive control.		<u></u>	
3. Visibilit		Distance		
	e straight line sight distance on one or more approaches			NO
	the major street for vehicles or pedestrians crossing the	Good	NO	
	ersection is less than <u>160 ft</u> (50 m) for 25 mph (40 km/hr)	Good	no	
	ntial Area			
	lume warrants to be reduced to 60% of the values above	Notes		Yes/No
	III of the following conditions are met:	Notes		resino
	Both streets have residential frontage with existing		Yes/No	YES
۵)	40 km/h (25 MPH) speed limits.		100,110	
b)	Neither street is an adopted through street.		Yes/No	
	Neither street exceeds <u>40 ft.</u> (12.5 m) of roadway width.		Yes/No	
	No existing stop sign or signal is located on the more		Yes/No	
u)	heavily traveled street within a distance of 800 ft. (250 m)		res/NO	
	The intersection has three legs, with streets extending		Yes/No	
e)			Tes/NO	
	800 ft. (250 m) or more away from the intersection on at			
5	least two sides.			
т)	Installation of a three-way stop is compatible with overall		Yes/No	
	traffic circulation needs for the residential area.	ļ		

Warranted: Yes XNo ** SEE EXISTING CONDITIONS COMMENTS (DATA INPUT SHEET)

Prepared By	Clarence Salim, PE	Date:	4/23/2018
Reviewed By	Ananth Prasad, PE	Date:	
	PE# C59176 Exp. 06/30/19		

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

Location:

Hill Road

Major Street

Date: 4/30/2018

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		Tes/NO	warranted
	street approaches (total of both approaches) averages at least	6197		NO
	<u>300</u> veh/hr, for any 8-hrs of an average day (24-hr equivalent of	0137	YES	NO
	<u>2400</u> veh/day, minimum) if 70% 1680	1		
	b) The combined vehicular, pedestrian, and bicycle volume entering	1		
	the intersection from the minor street approaches (total of both	1 .		
1	approaches) averages at least <u>200</u> units/hr. for the same 8-hrs.	912	NO	
	(<u>1600</u> veh/day, minimum) if 70% 1120	512		
	 c) When the 85th percentile approach speed exceeds <u>40 mph</u> (65 km/h), the minimum vehicular volume 	85 th %		
	warrant is 70% of the above requirements.	47	VEO	
2.	Collisions	47	YES	
	Five or more collisions of types susceptible to correction by	No. of Coll.		NO
	stop signs within a <u>12-month</u> period, with satisfactory	0	NO	NO
	observance and enforcement of less restrictive control.	U U	<u>NO</u>	
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	Distance		
	The straight line sight distance on one or more approaches			NO
	of the major street for vehicles or pedestrians crossing the	Good	NO	
-	intersection is less than 160 feet (50 m).			
5.	Residential Area			
	Volume warrants to be reduced to 60% of the values above if <u>all</u> of the following conditions are met:			Yes/No
		5. C		
	 a) Both streets have residential frontage with existing <u>25 MPH</u> (40 km/h) speed limits. 		Yes/No	NO
	 b) Neither street is an adopted through street. 			
	 c) Neither street exceeds <u>40 feet</u> (12.5 m) of roadway width. 		Yes/No	
	 d) No existing stop sign or signal is located on the more 		Yes/No Yes/No	
	heavily traveled street within a distance of 800 feet (250 m).		res/NO	
	e) The intersection has four legs, with streets extending		Yes/No	
	800 feet (250 m) or more away from the intersection on at		res/NO	
	least three sides.			
	f) Installation of All-way stop is <u>compatible</u> with overall		Yes/No	
	traffic circulation needs for the residential area.			

Warranted: Yes X No

** SEE EXISTING CONDITIONS COMMENTS (DATA INPUT SHEET)

Prepared By	Clarence Salim, PE	Date:	4/30/2018	
Reviewed By	Ananth Prasad, PE	Date:		
	PE# C59176 Exp. 06/30/19	-		