

\*In accordance with latest CA MUTCD (2014)

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

**Location:** Sierra Road  
Major Street

Skyview Dr  
Minor Street

**Date:** 12/1/2020

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

|  | <u>ADT</u>          | <u>Yes/No</u> | <u>Warranted</u> |
|--|---------------------|---------------|------------------|
| <b>1. Volume</b>   |                     |               |                  |
| a) The vehicular volume entering the intersection from the major street approaches (total of both approaches) averages at least <b>300</b> veh/hr. for any 8-hrs of an average day (24-hr equivalent of <b>2400</b> veh/day, minimum) <span style="float:right">2400</span>      | 1503                | <u>NO</u>     | <u>NO</u>        |
| b) The combined vehicular, pedestrian, and bicycle volume entering the intersection from the minor street approaches (total of both approaches) averages at least <b>200</b> units/hr. for the same 8-hrs. ( <b>1600</b> veh/day, minimum) <span style="float:right">1600</span> | 97                  | <u>NO</u>     |                  |
| c) When the 85th percentile approach speed exceeds <b>40 mph</b> (65 km/h), the minimum vehicular volume warrant is 70% of the above requirements.   | 85 th %<br>29       | <u>NO</u>     |                  |
| <b>2. Collisions</b>   | <u>No. of Coll.</u> |               |                  |
| Five or more collisions of types susceptible to correction by stop signs within a <b>12-month</b> period, with satisfactory observance and enforcement of less restrictive control.  | 0                   | <u>NO</u>     | <u>NO</u>        |
| <b>3. 80% Values for Volumes and Accidents</b> (only if <b>all</b> below are met):   | <u>ADT</u>          |               |                  |
| a) 80% of 2400 veh/day = <span style="float:right">1920</span>   | 1503                | <u>NO</u>     | <u>NO</u>        |
| b) 80% of 1600 veh/day = <span style="float:right">1280</span>   | 97                  | <u>NO</u>     |                  |
| c) 80% of five accidents = <span style="float:right">4</span>  | 0                   | <u>NO</u>     |                  |
| <b>4. Visibility</b>   | <u>Distance</u>     |               |                  |
| The straight line sight distance on one or more approaches of the major street for vehicles or pedestrians crossing the intersection is less than <b>160 feet</b> (50 m).  | Good                | <u>NO</u>     | <u>NO</u>        |
| <b>5. Residential Area</b>   |                     |               | <u>Yes/No</u>    |
| Volume warrants to be reduced to 60% of the values above if <b>all</b> of the following conditions are met:  |                     |               | <u>NO</u>        |
| a) Both streets have residential frontage with existing <b>25 MPH</b> (40 km/h) speed limits.  |                     | Yes/No        |                  |
| b) Neither street is an adopted through street.  |                     | Yes/No        |                  |
| c) Neither street exceeds <b>40 feet</b> (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 <b>300 feet</b> (250 m).  |                     | Yes/No        |                  |
| e) The intersection has four legs, with streets extending <b>300 feet</b> (250 m) or more away from the intersection on at least three sides.  |                     | Yes/No        |                  |
| f) Installation of All-way stop is <b>compatible</b> with overall traffic circulation needs for the residential area.  |                     | Yes/No        |                  |

Warranted:  Yes  No

\*\* SEE EXISTING CONDITIONS COMMENTS (DATA INPUT SHEET)



**Prepared By** Peter Perez-Hernandez, EIT  
**Reviewed By** Clarence Salim, PE  
 PE# C78873 Exp. 03/31/22

<sup>DS</sup>  
PPH

**Date:** 12/1/2020  
**Date:** 2/8/2021