

**Vineyards Parkway & Trilogy Parkway/Solera Street
MULTI-WAY STOP SIGN WARRANT**

Traffic Volumes for any 8 hours of an average day

Street Name	Hr 1	Hr 2	Hr 3	Hr 4	Hr 5	Hr 6	Hr 7	Hr 8	Total
Major Vineyards Pkwy	3-4	12-1	2-3	8-9	4-5	9-10	5-6	10-11	1982
Minor Trilogy Pkwy	83	75	72	56	97	73	88	62	606

Average 8-hour volume entering the intersection [Major + Minor] / 8 = 324
 Average 8-hour volume entering from minor street [Minor] / 8 = 76

Accidents	1	2	3	4
Type	Vehicle-Ped			
Date	11-6-23			

High Volume Streets (over 4,000 vehicles per day)

yes / no

1. Minimum Traffic Volumes

a. Average 8 consecutive-hour volume greater than 450

yes / no

b. Combined vehicle and pedestrian volume from side street average at least 150 for the same 8-hour period

yes / no

c. 85% speed greater than 40 MPH

yes / no

If yes, minimum volume requirement is 70% of above

70% volume satisfied

yes / no

a & b satisfied

yes / no

2. Accidents

Four accidents within a 12-month period susceptible of correction by a multi-way STOP

Four or more accidents

yes / no

3. Visibility

The stopping sight distance on the approaches to a major street is less than recommended for the given design speed. The design speed shall be considered to be the posted speed plus 10-mph.

yes / no

Warrant Satisfied (at least 2 of 3 conditions are satisfied)

yes / no

Moderate Volume Streets (4,000 or less vehicles per day) yes/no

Multi-way STOP control may be considered if any 2 of the following 4 conditions exist:

1. Minimum Traffic Volumes

a. Average 8-hour volume greater than 300-vph ~~yes~~/no

b. Combined vehicle and pedestrian volume from side street average at least 100 for the same 8-hour period yes/~~no~~

c. Use 60% of volume criteria if **all** of the following are met:

Both roadways have residential frontage with 25 MPH speed limits yes/~~no~~

Neither Streets exceeds 40 feet of roadway width yes/~~no~~

No STOP control or signal on major roadway with a distance of 800 feet ~~yes~~/no

Intersecting roadways extend 800 feet or more away from the intersection ~~yes~~/no

Intersection has 25 or more school age children crossing on an average day yes/~~no~~

>if yes, is 60% volume criteria satisfied yes/~~no~~

Minimum Volume satisfied (both a & b or c only) yes/~~no~~

2. Accidents

Four accidents within a 12-month period susceptible of correction by a Multi-way STOP

Four or more accidents yes/~~no~~

3. Visibility

The straight line of sight distance from the major roadway on one or more approaches for vehicles or pedestrians is less than 250 feet yes/~~no~~

4. Speed

Average speed for the approaches to the intersection exceed 30 MPH ~~yes~~/no

Warrant Satisfied (at least 2 of the 4 conditions are satisfied) yes/no

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404921 Operator: SMK Begin: 04/30/2024 11:00 AM End: 05/02/2024 11:00 AM Hours: 48.00 Period (min): 60	Location: Lane: west Street: Trilogy Parkway City: Brentwood County: CCC State: CA	Raw Count: 1,593 AADT Count: 797 AADT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Tue,04/30/2024				
[11:00 AM-12:00 PM]	61	17 MPH	113 F	---
[12:00 PM-01:00 PM]	42	16 MPH	118 F	---
[01:00 PM-02:00 PM]	38	18 MPH	122 F	---
[02:00 PM-03:00 PM]	69	17 MPH	124 F	---
[03:00 PM-04:00 PM]	68	17 MPH	120 F	---
[04:00 PM-05:00 PM]	71	18 MPH	99 F	---
[05:00 PM-06:00 PM]	51	16 MPH	91 F	---
[06:00 PM-07:00 PM]	43	17 MPH	88 F	---
[07:00 PM-08:00 PM]	35	16 MPH	82 F	---
[08:00 PM-09:00 PM]	101	15 MPH	79 F	---
[09:00 PM-10:00 PM]	8	16 MPH	75 F	---
[10:00 PM-11:00 PM]	4	15 MPH	73 F	---
[11:00 PM-12:00 AM]	0	0 MPH	72 F	---
Tue,04/30/2024	591	16 MPH	97 F	
Wed,05/01/2024				
[12:00 AM-01:00 AM]	0	0 MPH	70 F	---
[01:00 AM-02:00 AM]	2	18 MPH	68 F	---
[02:00 AM-03:00 AM]	0	0 MPH	68 F	---
[03:00 AM-04:00 AM]	0	0 MPH	66 F	---
[04:00 AM-05:00 AM]	3	17 MPH	64 F	---
[05:00 AM-06:00 AM]	1	18 MPH	63 F	---
[06:00 AM-07:00 AM]	8	13 MPH	64 F	---
[07:00 AM-08:00 AM]	21	16 MPH	72 F	---
[08:00 AM-09:00 AM]	34	16 MPH	81 F	---
[09:00 AM-10:00 AM]	51	16 MPH	91 F	---
[10:00 AM-11:00 AM]	44	18 MPH	100 F	---
[11:00 AM-12:00 PM]	58	17 MPH	108 F	---
[12:00 PM-01:00 PM]	43	16 MPH	117 F	---
[01:00 PM-02:00 PM]	42	17 MPH	122 F	---
[02:00 PM-03:00 PM]	55	17 MPH	122 F	---
[03:00 PM-04:00 PM]	66	19 MPH	120 F	---
[04:00 PM-05:00 PM]	74	17 MPH	100 F	---
[05:00 PM-06:00 PM]	74	20 MPH	93 F	---
[06:00 PM-07:00 PM]	58	21 MPH	90 F	---
[07:00 PM-08:00 PM]	36	17 MPH	84 F	---
[08:00 PM-09:00 PM]	132	16 MPH	81 F	---
[09:00 PM-10:00 PM]	13	16 MPH	77 F	---
[10:00 PM-11:00 PM]	7	16 MPH	75 F	---
[11:00 PM-12:00 AM]	2	18 MPH	73 F	---
Wed,05/01/2024	824	17 MPH	86 F	
Thu,05/02/2024				
[12:00 AM-01:00 AM]	2	8 MPH	72 F	---
[01:00 AM-02:00 AM]	1	12 MPH	70 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404921 Operator: SMK Begin: 04/30/2024 11:00 AM End: 05/02/2024 11:00 AM Hours: 48.00 Period (min): 60	Location: Lane: west Street: Trilogy Parkway City: Brentwood County: CCC State: CA	Raw Count: 1,593 AADT Count: 797 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Thu,05/02/2024														
[02:00 AM-03:00 AM]	3	14 MPH	68 F	---										
[03:00 AM-04:00 AM]	1	0 MPH	66 F	---										
[04:00 AM-05:00 AM]	3	18 MPH	66 F	---										
[05:00 AM-06:00 AM]	2	18 MPH	64 F	---										
[06:00 AM-07:00 AM]	9	18 MPH	64 F	---										
[07:00 AM-08:00 AM]	20	18 MPH	73 F	---										
[08:00 AM-09:00 AM]	48	18 MPH	86 F	---										
[09:00 AM-10:00 AM]	39	17 MPH	97 F	---										
[10:00 AM-11:00 AM]	50	16 MPH	106 F	---										
Thu,05/02/2024	178	17 MPH	76 F											
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">04/30/2024 11:00 AM</td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>05/02/2024 11:00 AM</td> <td style="text-align: center;">1593</td> <td style="text-align: center;">17 MPH</td> <td style="text-align: center;">87 F</td> <td></td> </tr> </table>					04/30/2024 11:00 AM					05/02/2024 11:00 AM	1593	17 MPH	87 F	
04/30/2024 11:00 AM														
05/02/2024 11:00 AM	1593	17 MPH	87 F											

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404244 Operator: SMK Begin: 04/30/2024 11:00 AM End: 05/02/2024 11:00 AM Hours: 48.00 Period (min): 60	Location: Lane: east Street: Solera Street City: Brentwood County: CCC State: CA	Raw Count: 521 AA DT Count: 261 AA DT Factor: 1 Speed Limit: 25		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
Tue,04/30/2024				
[11:00 AM-12:00 PM]	27	24 MPH	120 F	---
[12:00 PM-01:00 PM]	17	15 MPH	126 F	---
[01:00 PM-02:00 PM]	25	19 MPH	127 F	---
[02:00 PM-03:00 PM]	19	30 MPH	126 F	---
[03:00 PM-04:00 PM]	22	29 MPH	122 F	---
[04:00 PM-05:00 PM]	17	18 MPH	115 F	---
[05:00 PM-06:00 PM]	29	18 MPH	106 F	---
[06:00 PM-07:00 PM]	16	19 MPH	91 F	---
[07:00 PM-08:00 PM]	6	55 MPH	84 F	---
[08:00 PM-09:00 PM]	3	64 MPH	79 F	---
[09:00 PM-10:00 PM]	0	0 MPH	75 F	---
[10:00 PM-11:00 PM]	1	0 MPH	73 F	---
[11:00 PM-12:00 AM]	2	35 MPH	72 F	---
Tue,04/30/2024	184	24 MPH	101 F	
Wed,05/01/2024				
[12:00 AM-01:00 AM]	0	0 MPH	70 F	---
[01:00 AM-02:00 AM]	0	0 MPH	68 F	---
[02:00 AM-03:00 AM]	0	0 MPH	68 F	---
[03:00 AM-04:00 AM]	0	0 MPH	66 F	---
[04:00 AM-05:00 AM]	1	42 MPH	64 F	---
[05:00 AM-06:00 AM]	2	30 MPH	64 F	---
[06:00 AM-07:00 AM]	6	36 MPH	64 F	---
[07:00 AM-08:00 AM]	5	20 MPH	73 F	---
[08:00 AM-09:00 AM]	22	29 MPH	84 F	---
[09:00 AM-10:00 AM]	22	16 MPH	97 F	---
[10:00 AM-11:00 AM]	18	30 MPH	106 F	---
[11:00 AM-12:00 PM]	25	36 MPH	115 F	---
[12:00 PM-01:00 PM]	35	21 MPH	122 F	---
[01:00 PM-02:00 PM]	13	32 MPH	126 F	---
[02:00 PM-03:00 PM]	17	19 MPH	127 F	---
[03:00 PM-04:00 PM]	17	13 MPH	124 F	---
[04:00 PM-05:00 PM]	23	23 MPH	117 F	---
[05:00 PM-06:00 PM]	14	19 MPH	108 F	---
[06:00 PM-07:00 PM]	16	30 MPH	93 F	---
[07:00 PM-08:00 PM]	10	55 MPH	86 F	---
[08:00 PM-09:00 PM]	3	28 MPH	81 F	---
[09:00 PM-10:00 PM]	4	14 MPH	77 F	---
[10:00 PM-11:00 PM]	4	13 MPH	75 F	---
[11:00 PM-12:00 AM]	1	4 MPH	73 F	---
Wed,05/01/2024	258	25 MPH	90 F	
Thu,05/02/2024				
[12:00 AM-01:00 AM]	1	0 MPH	72 F	---
[01:00 AM-02:00 AM]	0	0 MPH	70 F	---

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404244 Operator: SMK Begin: 04/30/2024 11:00 AM End: 05/02/2024 11:00 AM Hours: 48.00 Period (min): 60	Location: Lane: east Street: Solera Street City: Brentwood County: CCC State: CA	Raw Count: 521 AADT Count: 261 AADT Factor: 1 Speed Limit: 25
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry										
Thu,05/02/2024														
[02:00 AM-03:00 AM]	1	18 MPH	68 F	---										
[03:00 AM-04:00 AM]	0	0 MPH	68 F	---										
[04:00 AM-05:00 AM]	0	0 MPH	66 F	---										
[05:00 AM-06:00 AM]	3	14 MPH	64 F	---										
[06:00 AM-07:00 AM]	1	12 MPH	66 F	---										
[07:00 AM-08:00 AM]	11	17 MPH	75 F	---										
[08:00 AM-09:00 AM]	15	42 MPH	88 F	---										
[09:00 AM-10:00 AM]	23	24 MPH	100 F	---										
[10:00 AM-11:00 AM]	24	30 MPH	113 F	---										
Thu,05/02/2024	79	26 MPH	77 F											
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04/30/2024 11:00 AM														
05/02/2024 11:00 AM	521	25 MPH	90 F											

Place Currently Not Set
Brentwood CA
Traffic Summary Week

Location: Trilogy Parkway
 4/30/2024 to 5/6/2024

Zone: Residential
 Travel Direction: E

	Tue 30 Apr	Wed 01 May	Thu 02 May	Fri 03 May	Sat 04 May	Sun 05 May	Mon 06 May	Weekday Average	Weekend Average
Midnight	0	0	1	0	0	0	0	0	0
1:00	0	2	1	0	0	0	0	0	0
2:00	0	0	1	0	0	0	0	0	0
3:00	0	0	1	0	0	0	0	0	0
4:00	0	2	3	0	0	0	0	1	0
5:00	0	2	1	0	0	0	0	0	0
6:00	0	12	16	0	0	0	0	5	0
7:00	0	20	29	0	0	0	0	9	0
8:00	0	46	58	0	0	0	0	20	0
9:00	0	45	69	0	0	0	0	22	0
10:00	26	46	59	0	0	0	0	26	0
11:00	50	59	18	0	0	0	0	25	0
12:00	34	47	0	0	0	0	0	16	0
13:00	33	47	0	0	0	0	0	16	0
14:00	46	38	0	0	0	0	0	16	0
15:00	34	48	0	0	0	0	0	16	0
16:00	56	59	0	0	0	0	0	23	0
17:00	32	45	0	0	0	0	0	15	0
18:00	26	49	0	0	0	0	0	15	0
19:00	33	49	0	0	0	0	0	16	0
20:00	53	76	0	0	0	0	0	25	0
21:00	10	11	0	0	0	0	0	4	0
22:00	3	5	0	0	0	0	0	1	0
23:00	0	2	0	0	0	0	0	0	0
Totals	436	710	257	0	0	0	0	280	0

Place Currently Not Set
Brentwood CA
Traffic Summary Week

Location: Trilogy Parkway-OPPOSING
 4/30/2024 to 5/6/2024

Zone: Residential
 Travel Direction: E

	Tue 30 Apr	Wed 01 May	Thu 02 May	Fri 03 May	Sat 04 May	Sun 05 May	Mon 06 May	Weekday Average	Weekend Average
Midnight	0	0	0	0	0	0	0	0	0
1:00	0	1	1	0	0	0	0	0	0
2:00	0	0	3	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0
4:00	0	3	2	0	0	0	0	1	0
5:00	0	1	3	0	0	0	0	0	0
6:00	0	20	10	0	0	0	0	6	0
7:00	0	23	21	0	0	0	0	8	0
8:00	0	26	26	0	0	0	0	10	0
9:00	0	41	42	0	0	0	0	16	0
10:00	17	31	34	0	0	0	0	16	0
11:00	45	33	10	0	0	0	0	17	0
12:00	32	21	0	0	0	0	0	10	0
13:00	28	37	0	0	0	0	0	13	0
14:00	46	37	0	0	0	0	0	16	0
15:00	38	40	0	0	0	0	0	15	0
16:00	34	42	0	0	0	0	0	15	0
17:00	31	43	0	0	0	0	0	14	0
18:00	24	30	0	0	0	0	0	10	0
19:00	27	37	0	0	0	0	0	12	0
20:00	45	58	0	0	0	0	0	20	0
21:00	8	8	0	0	0	0	0	3	0
22:00	3	4	0	0	0	0	0	1	0
23:00	0	2	0	0	0	0	0	0	0
Totals	378	538	152	0	0	0	0	213	0

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404244 Operator: SMK Begin: 04/23/2024 11:00 AM End: 04/24/2024 11:00 AM Hours: 24.00 Period (min): 60	Location: Trilogy Parkway Lane: north Street: Vineyards Parkway City: Brentwood County: CCC State: CA	Raw Count: 1,330 AADT Count: 1,330 AADT Factor: 1 Speed Limit: 35
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Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry
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Tue,04/23/2024

[11:00 AM-12:00 PM]	99	39 MPH	95 F	---
[12:00 PM-01:00 PM]	133	40 MPH	108 F	---
[01:00 PM-02:00 PM]	96	39 MPH	111 F	---
[02:00 PM-03:00 PM]	106	39 MPH	106 F	---
[03:00 PM-04:00 PM]	124	39 MPH	104 F	---
[04:00 PM-05:00 PM]	111	40 MPH	100 F	---
[05:00 PM-06:00 PM]	101	41 MPH	95 F	---
[06:00 PM-07:00 PM]	72	39 MPH	86 F	---
[07:00 PM-08:00 PM]	45	41 MPH	79 F	---
[08:00 PM-09:00 PM]	45	41 MPH	73 F	---
[09:00 PM-10:00 PM]	26	43 MPH	72 F	---
[10:00 PM-11:00 PM]	13	40 MPH	68 F	---
[11:00 PM-12:00 AM]	3	36 MPH	68 F	---

Tue,04/23/2024 974 40 MPH 90 F

Wed,04/24/2024

[12:00 AM-01:00 AM]	2	57 MPH	68 F	---
[01:00 AM-02:00 AM]	2	55 MPH	68 F	---
[02:00 AM-03:00 AM]	2	33 MPH	68 F	---
[03:00 AM-04:00 AM]	2	45 MPH	68 F	---
[04:00 AM-05:00 AM]	2	40 MPH	68 F	---
[05:00 AM-06:00 AM]	9	38 MPH	68 F	---
[06:00 AM-07:00 AM]	20	41 MPH	66 F	---
[07:00 AM-08:00 AM]	72	41 MPH	72 F	---
[08:00 AM-09:00 AM]	93	37 MPH	75 F	---
[09:00 AM-10:00 AM]	82	36 MPH	82 F	---
[10:00 AM-11:00 AM]	70	37 MPH	91 F	---

Wed,04/24/2024 356 38 MPH 72 F

04/23/2024 11:00 AM				
04/24/2024 11:00 AM	1330	39 MPH	82 F	

Date/Time/Volume/Average Speed/Temperature Report

Device ID: 404921 Operator: SMK Begin: 04/23/2024 11:00 AM End: 04/24/2024 11:00 AM Hours: 24.00 Period (min): 60	Location: Trilogy Parkway Lane: south Street: Vineyards Parkway City: Brentwood County: CCC State: CA	Raw Count: 1,846 AADT Count: 1,846 AADT Factor: 1 Speed Limit: 35		
Date And Time Range	Period Volume	Average Speed	Roadway Temperature	Roadway Surface Wet/Dry

Tue,04/23/2024

[11:00 AM-12:00 PM]	149	36 MPH	95 F	---
[12:00 PM-01:00 PM]	145	35 MPH	106 F	---
[01:00 PM-02:00 PM]	106	36 MPH	115 F	---
[02:00 PM-03:00 PM]	155	38 MPH	106 F	---
[03:00 PM-04:00 PM]	182	36 MPH	102 F	---
[04:00 PM-05:00 PM]	139	37 MPH	102 F	---
[05:00 PM-06:00 PM]	121	38 MPH	93 F	---
[06:00 PM-07:00 PM]	99	39 MPH	84 F	---
[07:00 PM-08:00 PM]	59	38 MPH	77 F	---
[08:00 PM-09:00 PM]	42	38 MPH	73 F	---
[09:00 PM-10:00 PM]	25	38 MPH	72 F	---
[10:00 PM-11:00 PM]	12	38 MPH	70 F	---
[11:00 PM-12:00 AM]	12	40 MPH	68 F	---

Tue,04/23/2024 1246 37 MPH 89 F

Wed,04/24/2024

[12:00 AM-01:00 AM]	3	41 MPH	68 F	---
[01:00 AM-02:00 AM]	3	29 MPH	70 F	---
[02:00 AM-03:00 AM]	2	23 MPH	70 F	---
[03:00 AM-04:00 AM]	3	53 MPH	68 F	---
[04:00 AM-05:00 AM]	3	43 MPH	68 F	---
[05:00 AM-06:00 AM]	29	36 MPH	68 F	---
[06:00 AM-07:00 AM]	50	40 MPH	66 F	---
[07:00 AM-08:00 AM]	92	37 MPH	72 F	---
[08:00 AM-09:00 AM]	148	33 MPH	75 F	---
[09:00 AM-10:00 AM]	164	36 MPH	81 F	---
[10:00 AM-11:00 AM]	103	33 MPH	90 F	---

Wed,04/24/2024 600 35 MPH 72 F

04/23/2024 11:00 AM				
04/24/2024 11:00 AM	1846	36 MPH	82 F	