

## TRAFFIC SAFETY COMMISSION AGENDA STATEMENT

Item 5.1  
Meeting Date 04/10/25

**ITEM TITLE:** RESOLUTION OF THE SAFETY COMMISSION OF THE CITY OF CHULA VISTA RECOMMENDING THAT THE CHULA VISTA CITY COUNCIL ESTABLISH SPEED LIMIT ON PALOMAR STREET BETWEEN BAY BOULEVARD AND WALNUT AVENUE/FRONTAGE ROAD, AND THAT SCHEDULE X OF THE REGISTER MAINTAINED IN THE OFFICE OF THE CITY ENGINEER BE AMENDED TO REFLECT THESE SPEED LIMITS

**SUBMITTED BY:** City Traffic Engineer

Staff completed Engineering and Traffic Surveys for a segment of Palomar Street in accordance with the California Vehicle Code, which indicates that the posting of speed limits be determined by an Engineering and Traffic Survey for each street with a posted speed limit within the City (with some exceptions). Based on the results of the speed survey, staff has determined that the speed limit on Palomar Street between Bay Boulevard and Walnut Avenue/Frontage Road is to be established to 30 mph. (see Attachment “A”, Location Plat).

**RECOMMENDATION:** That the Traffic Safety Commission concur with staff and recommend that the Chula Vista City Council establish the speed limit on Palomar Street between Bay Boulevard and Walnut Avenue/Frontage Road at 30 mph, and that Schedule X of the register maintained in the Office of the City Engineer be amended to reflect these speed limits

### **DISCUSSION:**

The California Vehicle Code (CVC) establishes minimum and maximum prima facie speed limits for all streets in the State. The minimum prima facie speed limit is 25 miles per hour (MPH) and the maximum speed limit is 65 MPH and an engineering and traffic survey (E&TS) is required to change the prima facie and/or update various speed limits in the City.

The CVC requires that local agencies review changes in local speed limits every five, seven, or fourteen years to determine if the existing street segment speed limits require updating due to the age of the engineering and traffic survey or due to changes in roadway and traffic conditions.

Currently, there is no posted speed limit on Palomar Street between Bay Boulevard and Walnut Avenue/Frontage Road.

City staff completed a speed survey for above segments in accordance with the California Vehicle Code. As described in the California Vehicle Code, the survey shall include:

- (1) Prevailing speeds as determined by traffic engineering measurements;
- (2) Accident records;
- (3) Traffic/roadside conditions not readily apparent to the driver.

1

### Physical Conditions

The following information describes the existing conditions along Palomar Street (Eastbound):

- Classification between Bay Boulevard and Walnut Avenue/Frontage Road – Major Collector (Divided).
- Length/Width – 1,320 feet (0.25 miles) long and 24' to 26' wide.
- Average Daily Traffic: 2,177
- Number of Lanes: Two lanes in eastbound direction
- Existing Speed Limit – Not Posted.
- 85% Percentile Speed: 29 mph.
- Striping – Two lanes of traffic and a yellow striped centerline.
- Parking – No parking for this eastbound segment of Palomar Street.
- Accident Rate History – The accident rate at this segment is 3.35 accidents per million vehicle miles, which is higher than the rate of 1.07 for similar roadways in the State of California (2021).

The following information describes the existing conditions along Palomar Street (Westbound):

- Classification between Bay Boulevard and Walnut Avenue/Frontage Road – Major Collector (Divided).
- Length/Width – 1,320 feet (0.25 miles) long and 24' to 26' wide.
- Average Daily Traffic: 1,528
- Number of Lanes: Two lanes in westbound direction
- Existing Speed Limit – Not Posted.
- 85% Percentile Speed: 29 mph.
- Striping – Two lanes of traffic and a yellow striped centerline.
- Parking – No parking for this westbound segment of Palomar Street.
- Accident Rate History – The accident rate at this segment is 4.78 accidents per million vehicle miles, which is higher than the rate of 1.07 for similar roadways in the State of California (2021).

### **CONCLUSION:**

When speed limits are appropriately established the following objectives are achieved:

- Meaningful, unambiguous enforcement
- Voluntary public compliance
- Clear identification of the unreasonable violator
- Elimination of unjustifiable “tolerances” of higher speed travel

Based on the 85<sup>th</sup> percentile speed of the roadway, as well as the collision rate outlined in the Engineering/Traffic Survey, staff has determined that the speed limit on Palomar Street between Bay Boulevard and Walnut Avenue/Frontage Road is to be established to 30 mph. Should the City Council establish the proposed 30 mph speed limit, Schedule X of the register maintained in the Office of the City Engineer be amended to reflect the speed limit:

1

- Palomar Street, beginning at Bay Boulevard and ending at Walnut Avenue/Frontage Road, proposed Speed Limit to be 30 mph.

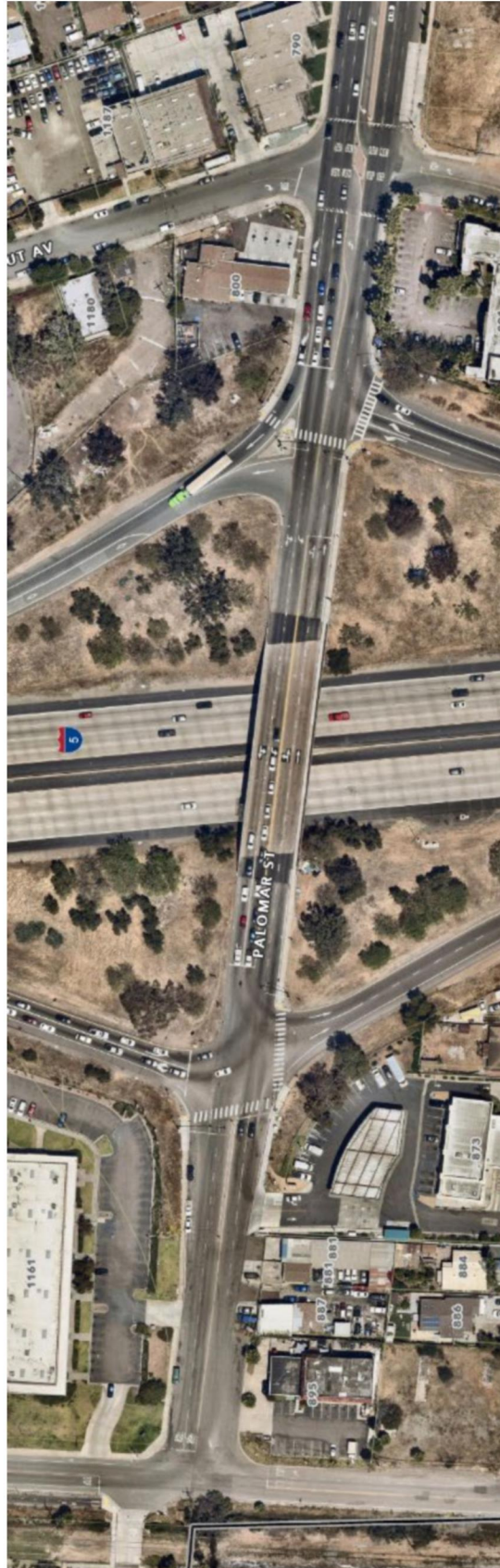
**FISCAL IMPACT:**

The establishment of the speed limit would require the posting of new speed limit signs and speed limit pavement legends. This work will be funded by an existing Traffic Engineering Capital Improvement Project, TRF-0332, Signing and Striping Program.

Attachments:

1. Location Plat
2. Speed Surveys

# Attachment “A” Palomar Street



Palomar Street



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## Segment #73

Palomar Street (WB) between Walnut Avenue/Frontage Road  
and Bay Boulevard



# CITY OF CHULA VISTA ENGINEERING & TRAFFIC SURVEY

Radar  
Enforceable?  
YES

<b>Street:</b>	Palomar Street (WB)		
<b>From:</b>	Walnut Avenue/Frontage Road	<b>To:</b>	Bay Boulevard

<b>Date of Speed Survey:</b>	12/17/2024
<b>Critical Speed (85th)</b>	29 MPH
<b>50th Percentile</b>	23 MPH
<b>Existing Posted Speed Limit</b>	Not Posted
<b>10 MPH Pace</b>	18-27 MPH
<b>Percent in Pace</b>	72%

<b>Street Classification:</b>	Major Collector (Divided)
<b>Length of Street Segment:</b>	0.25 miles
<b>Average Daily Traffic:</b>	1,528
<b>Total Accidents (3 years):</b>	2
<b>Evaluation Period:</b>	January 1, 2019 – December 31, 2021
<b>Accident Rate (MVM):</b>	4.78
<b>California Statewide Urban Accident Rate (MVM, 2019-2021):</b>	1.07

**Justification:** Speed limit shall be established at the nearest 5 mph increment of the 85th-percentile speed of free flowing traffic. (CVC 22358.6(a); CA-MUTCD Section 2B.13, Standard 12a)

## TRAFFIC ENGINEER'S RECOMMENDATIONS/AUTHORITY:

Posted Speed Limit: **Post at 30 MPH**

This survey was prepared in accordance with the requirements of Section 627 of the California Vehicle Code using methods prescribed in Section 2B.13 of the California Manual on Uniform Traffic Control Devices. Based on the measured critical speeds, it is appropriate and justified to recommend the posted speed limit be 30 MPH along the subject segment of the road.

## APPROVALS:

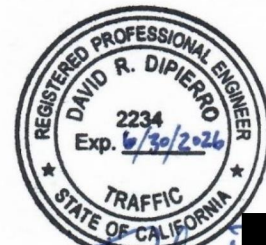
- ☐ Recertification of the existing speed zone per Sections 22357, 22358, and 40802 of the California Vehicle Code
- ☒ Establishment of new speed zone

APPROVED:



DATE: February 20, 2025.

David DiPierro, TE  
STC Traffic, Inc.



City of Chula Vista  
Radar Speed Survey

			MPH	Vehicles Surveyed								TOT.
Speed	EB	WB		Eastbound				Westbound				VEH.
55	0	0	55									0
54	0	0	54									0
53	0	0	53									0
52	0	0	52									0
51	0	0	51									0
50	0	0	50									0
49	0	0	49									0
48	0	0	48									0
47	0	0	47									0
46	0	0	46									0
45	0	0	45									0
44	0	0	44									0
43	0	0	43									0
42	0	0	42									0
41	0	0	41									0
40	0	0	40									0
39	0	0	39									0
38	0	0	38									0
37	0	0	37									0
36	1	0	36	X								1
35	0	2	35					X	X			2
34	0	1	34					X				1
33	1	0	33	X								1
32	5	2	32	X	X	X	X	X	X			7
31	2	6	31	X	X			X	X	X	X	8
30	6	1	30	X	X	X	X	X	X			7
29	3	6	29	X	X	X		X	X	X	X	9
28	5	3	28	X	X	X	X	X	X			8
27	3	8	27	X	X	X		X	X	X	X	11
26	1	1	26	X				X				2
25	4	6	25	X	X	X	X	X	X	X	X	10
24	5	7	24	X	X	X	X	X	X	X	X	12
23	4	9	23	X	X	X		X	X	X	X	13
22	17	15	22	X	X	X	X	X	X	X	X	32
21	13	7	21	X	X	X	X	X	X	X	X	20
20	10	9	20	X	X	X	X	X	X	X	X	19
19	8	6	19	X	X	X	X	X	X	X		14
18	5	4	18	X	X	X	X	X	X			9
17	3	3	17	X	X	X		X	X	X		6
16	3	4	16	X	X	X		X	X	X	X	7
15	1	0	15	X								1
14	0	0	14									0
13	0	0	13									0
12	0	0	12									0
11	0	0	11									0
10	0	0	10									0
9	0	0	9									0
8	0	0	8									0
7	0	0	7									0
6	0	0	6									0
5	0	0	5									0
Total	100	100		GRAND TOTALS								200

Location: Palomar Street  
Between: Bay Boulevard - Walnut Avenue  
Weather: Clear  
Date: 12/17/24  
Time From: 1:20  
Time To: 2:15  
Existing Speed Limit: N/P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	27%	21%	22%
% In Pace:	72%	72%	71%
% Under Pace:	1%	7%	7%
Average Speed:	23 MPH	24 MPH	23 MPH
Pace Speed:	16 - 25 MPH	18 - 27 MPH	18 - 27 MPH
15th Percentile / Critical Speed:	19 MPH	19 MPH	19 MPH
50th Percentile / Critical Speed:	22 MPH	23 MPH	22 MPH
85th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH



Radar Survey Conducted By:  
Counts Unlimited, Inc.  
PO Box 1178  
Corona, CA 92880  
T 951-268-6268 F 951-268-6267

# Counts Unlimited, Inc.

City of Chula Vista  
Palomar Street  
B/ Bay Boulevard - Walnut Avenue  
48 Hour Directional Volume Count

PO Box 1178  
Corona, CA 92878  
Phone: (951) 268-6268  
email: counts@countsunlimited.com

CVA07778  
Site Code: 232-24986

Start Time	12/18/24 Wed	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	37			2	37				
12:15		6	34			2	22				
12:30		2	32			1	25				
12:45		3	37	11	140	0	32	5	116	16	256
01:00		0	32			0	32				
01:15		1	30			0	30				
01:30		1	29			0	24				
01:45		1	37	3	128	1	32	1	118	4	246
02:00		0	47			0	24				
02:15		0	38			3	24				
02:30		3	48			1	30				
02:45		1	<b>60</b>	4	193	4	27	8	105	12	298
03:00		1	<b>56</b>			0	17				
03:15		0	<b>43</b>			1	<b>24</b>				
03:30		0	<b>71</b>			0	<b>30</b>				
03:45		0	51	1	221	1	<b>39</b>	2	110	3	331
04:00		3	53			4	<b>29</b>				
04:15		1	38			4	15				
04:30		1	40			1	28				
04:45		3	40	8	171	10	17	19	89	27	260
05:00		5	58			4	16				
05:15		6	35			8	13				
05:30		8	41			12	16				
05:45		5	42	24	176	6	18	30	63	54	239
06:00		6	50			21	16				
06:15		17	22			17	15				
06:30		20	25			25	8				
06:45		16	16	59	113	20	10	83	49	142	162
07:00		12	30			21	8				
07:15		25	16			23	20				
07:30		20	15			30	6				
07:45		27	10	84	71	39	8	113	42	197	113
08:00		31	6			<b>36</b>	3				
08:15		37	11			<b>54</b>	1				
08:30		24	6			<b>23</b>	13				
08:45		31	9	123	32	<b>52</b>	5	165	22	288	54
09:00		35	8			25	7				
09:15		33	12			28	6				
09:30		36	7			25	5				
09:45		38	1	142	28	28	3	106	21	248	49
10:00		36	2			22	8				
10:15		26	4			27	6				
10:30		28	1			27	3				
10:45		<b>40</b>	3	130	10	34	1	110	18	240	28
11:00		<b>42</b>	1			36	3				
11:15		<b>41</b>	1			34	0				
11:30		<b>60</b>	2			25	3				
11:45		31	3	174	7	24	4	119	10	293	17
Total		763	1290	763	1290	761	763	761	763	1524	2053
Combined Total		2053		2053		1524		1524		3577	
AM Peak	-	10:45	-	-	-	08:00	-	-	-	-	-
Vol.	-	183	-	-	-	165	-	-	-	-	-
P.H.F.		0.763				0.764					
PM Peak	-	-	02:45	-	-	-	03:15	-	-	-	-
Vol.	-	-	230	-	-	-	122	-	-	-	-
P.H.F.			0.810				0.782				
Percentage		37.2%	62.8%			49.9%	50.1%				

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City of Chula Vista  
Palomar Street  
B/ Bay Boulevard - Walnut Avenue  
48 Hour Directional Volume Count

PO Box 1178  
Corona, CA 92878  
Phone: (951) 268-6268  
email: counts@countsunlimited.com

CVA07778  
Site Code: 232-24986

Start Time	12/19/24 Thu	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		5	57			0	46				
12:15		2	44			1	41				
12:30		0	52			0	32				
12:45		2	27	9	180	1	22	2	141	11	321
01:00		0	49			1	38				
01:15		1	40			0	30				
01:30		3	48			1	31				
01:45		2	52	6	189	1	42	3	141	9	330
02:00		1	50			1	34				
02:15		0	38			0	30				
02:30		1	69			0	23				
02:45		2	55	4	212	0	40	1	127	5	339
03:00		0	50			3	22				
03:15		2	49			2	33				
03:30		0	69			3	29				
03:45		0	50	2	218	1	18	9	102	11	320
04:00		1	48			3	30				
04:15		3	39			5	18				
04:30		2	49			7	21				
04:45		2	42	8	178	6	23	21	92	29	270
05:00		4	62			4	18				
05:15		10	52			5	8				
05:30		5	40			8	14				
05:45		9	40	28	194	6	18	23	58	51	252
06:00		12	26			13	10				
06:15		12	23			22	9				
06:30		10	20			16	10				
06:45		17	20	51	89	24	4	75	33	126	122
07:00		9	22			17	6				
07:15		19	21			32	12				
07:30		20	6			22	9				
07:45		25	9	73	58	38	7	109	34	182	92
08:00		29	10			39	8				
08:15		30	9			48	12				
08:30		39	7			30	9				
08:45		25	11	123	37	34	6	151	35	274	72
09:00		36	5			40	3				
09:15		27	4			22	2				
09:30		39	3			26	8				
09:45		39	3	141	15	18	8	106	21	247	36
10:00		38	5			24	6				
10:15		35	3			19	6				
10:30		38	6			23	3				
10:45		37	8	148	22	20	7	86	22	234	44
11:00		40	2			30	1				
11:15		41	2			33	4				
11:30		50	3			31	0				
11:45		53	1	184	8	35	2	129	7	313	15
Total		777	1400	777	1400	715	813	715	813	1492	2213
Combined Total		2177		2177		1528		1528		3705	
AM Peak	-	11:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	184	-	-	-	155	-	-	-	-	-
P.H.F.		0.868				0.807					
PM Peak	-	-	02:30	-	-	-	12:00	-	-	-	-
Vol.	-	-	223	-	-	-	141	-	-	-	-
P.H.F.			0.808				0.766				
Percentage		35.7%	64.3%			46.8%	53.2%				
ADT/AADT		ADT 3,641		AADT 3,641							

# City of Chula Vista

## Engineering and Traffic Speed Survey

Prepared in accordance with CVC 627, 22357, and 22358, and Revision 8 of the 2014 California Manual on Uniform Traffic Control Devices, effective January 11, 2024.

Street

**Palomar Street (WB) between Walnut Ave/Frontage Rd and Bay Blvd**

Direction

85th Percentile **29** mph

Block Range

Posted Speed Limit **N/P** mph

Street Class

Radar Enforceable **Yes**

Speeds Were Collected

**12/17/24**

Speeds Were Collected

**1:20 pm**

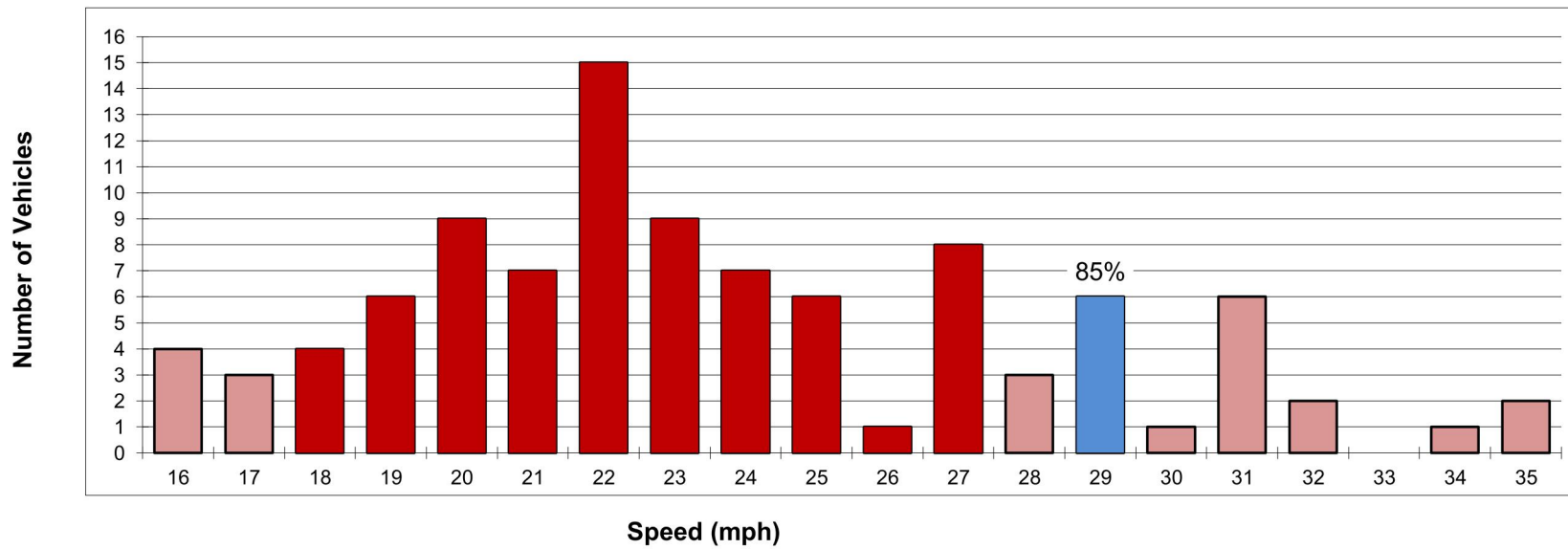
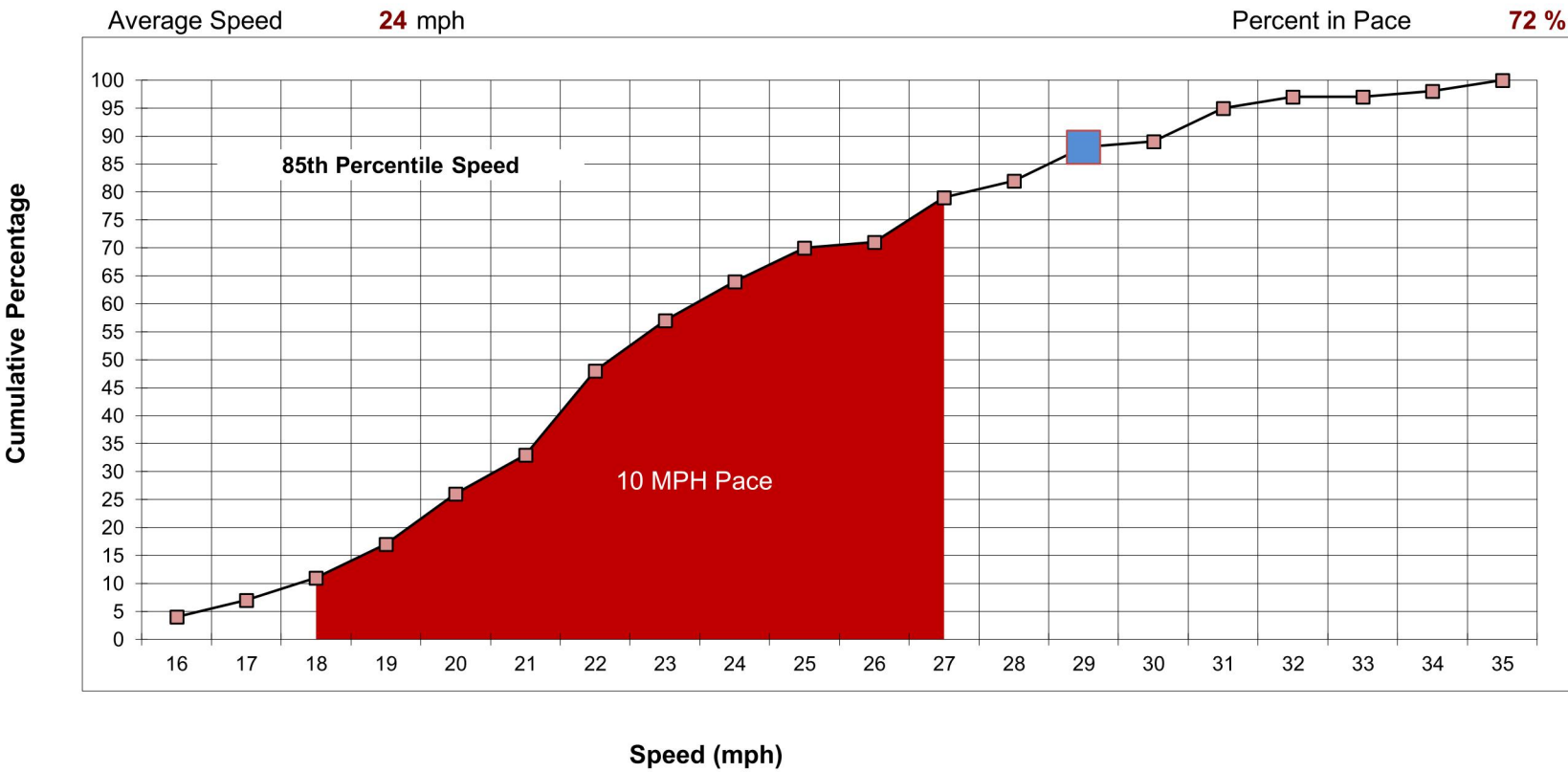
Observer

**Counts Unlimited**

Condition(s) Not Apparent

Range of Speeds **16** to **35**

Speed (MPH)	No. (cars)	Pct. (%)	Cum. Pct. (%)
15	0	0	0
16	4	4	4
17	3	3	7
18	4	4	11
19	6	6	17
20	9	9	26
21	7	7	33
22	15	15	48
23	9	9	57
24	7	7	64
25	6	6	70
26	1	1	71
27	8	8	79
28	3	3	82
29	6	6	88
30	1	1	89
31	6	6	95
32	2	2	97
33	0	0	97
34	1	1	98
35	2	2	100
36	0	0	100
37	0	0	100
38	0	0	100
39	0	0	100
40	0	0	100
41	0	0	100
42	0	0	100
43	0	0	100
44	0	0	100
45	0	0	100
46	0	0	100
47	0	0	100
48	0	0	100
49	0	0	100
50	0	0	100
51	0	0	100
52	0	0	100
53	0	0	100
54	0	0	100
55	0	0	100
56	0	0	100
57	0	0	100





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## Segment #74

Palomar Street (EB) between Bay Boulevard and Walnut  
Avenue/Frontage Road



# CITY OF CHULA VISTA ENGINEERING & TRAFFIC SURVEY

Radar  
Enforceable?  
YES

Street:	Palomar Street (EB)		
From:	Bay Boulevard	To:	Walnut Avenue/Frontage Road

Date of Speed Survey:	12/17/2024
Critical Speed (85th)	29 MPH
50th Percentile	22 MPH
Existing Posted Speed Limit	Not Posted
10 MPH Pace	16-25 MPH
Percent in Pace	72%

Street Classification:	Major Collector (Divided)
Length of Street Segment:	0.25 miles
Average Daily Traffic:	2,177
Total Accidents (3 years):	2
Evaluation Period:	January 1, 2019 – December 31, 2021
Accident Rate (MVM):	3.35
California Statewide Urban Accident Rate (MVM, 2019-2021):	1.07

**Justification:** Speed limit shall be established at the nearest 5 mph increment of the 85th-percentile speed of free flowing traffic. (CVC 22358.6(a); CA-MUTCD Section 2B.13, Standard 12a)

## TRAFFIC ENGINEER'S RECOMMENDATIONS/AUTHORITY:

Posted Speed Limit: **Post at 30 MPH**

This survey was prepared in accordance with the requirements of Section 627 of the California Vehicle Code using methods prescribed in Section 2B.13 of the California Manual on Uniform Traffic Control Devices. Based on the measured critical speeds, it is appropriate and justified to recommend the posted speed limit be 30 MPH along the subject segment of the road.

## APPROVALS:

☐ Recertification of the existing speed zone per Sections 22357, 22358, and 40802 of the California Vehicle Code

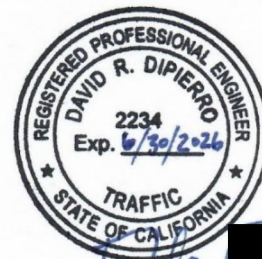
☒ Establishment of new speed zone

APPROVED:



David DiPierro, TE  
STC Traffic, Inc.

DATE: February 20, 2025.



# City of Chula Vista

## Radar Speed Survey

			MPH	Vehicles Surveyed								TOT.
Speed	EB	WB		Eastbound				Westbound				VEH.
55	0	0	55									0
54	0	0	54									0
53	0	0	53									0
52	0	0	52									0
51	0	0	51									0
50	0	0	50									0
49	0	0	49									0
48	0	0	48									0
47	0	0	47									0
46	0	0	46									0
45	0	0	45									0
44	0	0	44									0
43	0	0	43									0
42	0	0	42									0
41	0	0	41									0
40	0	0	40									0
39	0	0	39									0
38	0	0	38									0
37	0	0	37									0
36	1	0	36	X								1
35	0	2	35					X	X			2
34	0	1	34					X				1
33	1	0	33	X								1
32	5	2	32	X	X	X	X	X	X			7
31	2	6	31	X	X			X	X	X	X	8
30	6	1	30	X	X	X	X	X	X			7
29	3	6	29	X	X	X		X	X	X	X	9
28	5	3	28	X	X	X	X	X	X			8
27	3	8	27	X	X	X		X	X	X	X	11
26	1	1	26	X				X				2
25	4	6	25	X	X	X	X	X	X	X	X	10
24	5	7	24	X	X	X	X	X	X	X	X	12
23	4	9	23	X	X	X		X	X	X	X	13
22	17	15	22	X	X	X	X	X	X	X	X	32
21	13	7	21	X	X	X	X	X	X	X	X	20
20	10	9	20	X	X	X	X	X	X	X	X	19
19	8	6	19	X	X	X	X	X	X	X		14
18	5	4	18	X	X	X	X	X	X			9
17	3	3	17	X	X	X		X	X	X		6
16	3	4	16	X	X	X		X	X	X	X	7
15	1	0	15	X								1
14	0	0	14									0
13	0	0	13									0
12	0	0	12									0
11	0	0	11									0
10	0	0	10									0
9	0	0	9									0
8	0	0	8									0
7	0	0	7									0
6	0	0	6									0
5	0	0	5									0
Total	100	100		GRAND TOTALS								200

Location: Palomar Street

Between: Bay Boulevard - Walnut Avenue

Weather: Clear

Date: 12/17/24

Time From: 1:20

Time To: 2:15

Existing Speed Limit: N/P MPH

	Eastbound	Westbound	Combined Statistics
% Over Pace:	27%	21%	22%
% In Pace:	72%	72%	71%
% Under Pace:	1%	7%	7%
Average Speed:	23 MPH	24 MPH	23 MPH
Pace Speed:	16 - 25 MPH	18 - 27 MPH	18 - 27 MPH
15th Percentile / Critical Speed:	19 MPH	19 MPH	19 MPH
50th Percentile / Critical Speed:	22 MPH	23 MPH	22 MPH
85th Percentile / Critical Speed:	29 MPH	29 MPH	29 MPH



Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

# Counts Unlimited, Inc.

City of Chula Vista  
Palomar Street  
B/ Bay Boulevard - Walnut Avenue  
48 Hour Directional Volume Count

PO Box 1178  
Corona, CA 92878  
Phone: (951) 268-6268  
email: counts@countsunlimited.com

CVA07778  
Site Code: 232-24986

Start Time	12/18/24 Wed	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	37			2	37				
12:15		6	34			2	22				
12:30		2	32			1	25				
12:45		3	37	11	140	0	32	5	116	16	256
01:00		0	32			0	32				
01:15		1	30			0	30				
01:30		1	29			0	24				
01:45		1	37	3	128	1	32	1	118	4	246
02:00		0	47			0	24				
02:15		0	38			3	24				
02:30		3	48			1	30				
02:45		1	<b>60</b>	4	193	4	27	8	105	12	298
03:00		1	<b>56</b>			0	17				
03:15		0	<b>43</b>			1	<b>24</b>				
03:30		0	<b>71</b>			0	<b>30</b>				
03:45		0	51	1	221	1	<b>39</b>	2	110	3	331
04:00		3	53			4	<b>29</b>				
04:15		1	38			4	15				
04:30		1	40			1	28				
04:45		3	40	8	171	10	17	19	89	27	260
05:00		5	58			4	16				
05:15		6	35			8	13				
05:30		8	41			12	16				
05:45		5	42	24	176	6	18	30	63	54	239
06:00		6	50			21	16				
06:15		17	22			17	15				
06:30		20	25			25	8				
06:45		16	16	59	113	20	10	83	49	142	162
07:00		12	30			21	8				
07:15		25	16			23	20				
07:30		20	15			30	6				
07:45		27	10	84	71	39	8	113	42	197	113
08:00		31	6			<b>36</b>	3				
08:15		37	11			<b>54</b>	1				
08:30		24	6			<b>23</b>	13				
08:45		31	9	123	32	<b>52</b>	5	165	22	288	54
09:00		35	8			25	7				
09:15		33	12			28	6				
09:30		36	7			25	5				
09:45		38	1	142	28	28	3	106	21	248	49
10:00		36	2			22	8				
10:15		26	4			27	6				
10:30		28	1			27	3				
10:45		<b>40</b>	3	130	10	34	1	110	18	240	28
11:00		<b>42</b>	1			36	3				
11:15		<b>41</b>	1			34	0				
11:30		<b>60</b>	2			25	3				
11:45		31	3	174	7	24	4	119	10	293	17
Total		763	1290	763	1290	761	763	761	763	1524	2053
Combined Total		2053		2053		1524		1524		3577	
AM Peak	-	10:45	-	-	-	08:00	-	-	-	-	-
Vol.	-	183	-	-	-	165	-	-	-	-	-
P.H.F.		0.763				0.764					
PM Peak	-	-	02:45	-	-	-	03:15	-	-	-	-
Vol.	-	-	230	-	-	-	122	-	-	-	-
P.H.F.			0.810				0.782				
Percentage		37.2%	62.8%			49.9%	50.1%				

# Counts Unlimited, Inc.

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City of Chula Vista  
Palomar Street  
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CVA07778  
Site Code: 232-24986

Start Time	12/19/24 Thu	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		5	57			0	46				
12:15		2	44			1	41				
12:30		0	52			0	32				
12:45		2	27	9	180	1	22	2	141	11	321
01:00		0	49			1	38				
01:15		1	40			0	30				
01:30		3	48			1	31				
01:45		2	52	6	189	1	42	3	141	9	330
02:00		1	50			1	34				
02:15		0	38			0	30				
02:30		1	69			0	23				
02:45		2	55	4	212	0	40	1	127	5	339
03:00		0	50			3	22				
03:15		2	49			2	33				
03:30		0	69			3	29				
03:45		0	50	2	218	1	18	9	102	11	320
04:00		1	48			3	30				
04:15		3	39			5	18				
04:30		2	49			7	21				
04:45		2	42	8	178	6	23	21	92	29	270
05:00		4	62			4	18				
05:15		10	52			5	8				
05:30		5	40			8	14				
05:45		9	40	28	194	6	18	23	58	51	252
06:00		12	26			13	10				
06:15		12	23			22	9				
06:30		10	20			16	10				
06:45		17	20	51	89	24	4	75	33	126	122
07:00		9	22			17	6				
07:15		19	21			32	12				
07:30		20	6			22	9				
07:45		25	9	73	58	38	7	109	34	182	92
08:00		29	10			39	8				
08:15		30	9			48	12				
08:30		39	7			30	9				
08:45		25	11	123	37	34	6	151	35	274	72
09:00		36	5			40	3				
09:15		27	4			22	2				
09:30		39	3			26	8				
09:45		39	3	141	15	18	8	106	21	247	36
10:00		38	5			24	6				
10:15		35	3			19	6				
10:30		38	6			23	3				
10:45		37	8	148	22	20	7	86	22	234	44
11:00		40	2			30	1				
11:15		41	2			33	4				
11:30		50	3			31	0				
11:45		53	1	184	8	35	2	129	7	313	15
Total		777	1400	777	1400	715	813	715	813	1492	2213
Combined Total		2177		2177		1528		1528		3705	
AM Peak	-	11:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	184	-	-	-	155	-	-	-	-	-
P.H.F.		0.868				0.807					
PM Peak	-	-	02:30	-	-	-	12:00	-	-	-	-
Vol.	-	-	223	-	-	-	141	-	-	-	-
P.H.F.			0.808				0.766				
Percentage		35.7%	64.3%			46.8%	53.2%				
ADT/AADT		ADT 3,641		AADT 3,641							

# City of Chula Vista

## Engineering and Traffic Speed Survey

Prepared in accordance with CVC 627, 22357, and 22358, and Revision 8 of the 2014 California Manual on Uniform Traffic Control Devices, effective January 11, 2024.

Street

**Palomar Street (EB) between Bay Blvd and Walnut Ave/Frontage Rd**

Direction

85th Percentile **29** mph

Block Range

Posted Speed Limit **N/P** mph

Street Class

Radar Enforceable **Yes**

Speeds Were Collected

**12/17/24**

Speeds Were Collected

**1:20 pm**

Observer

**Counts Unlimited**

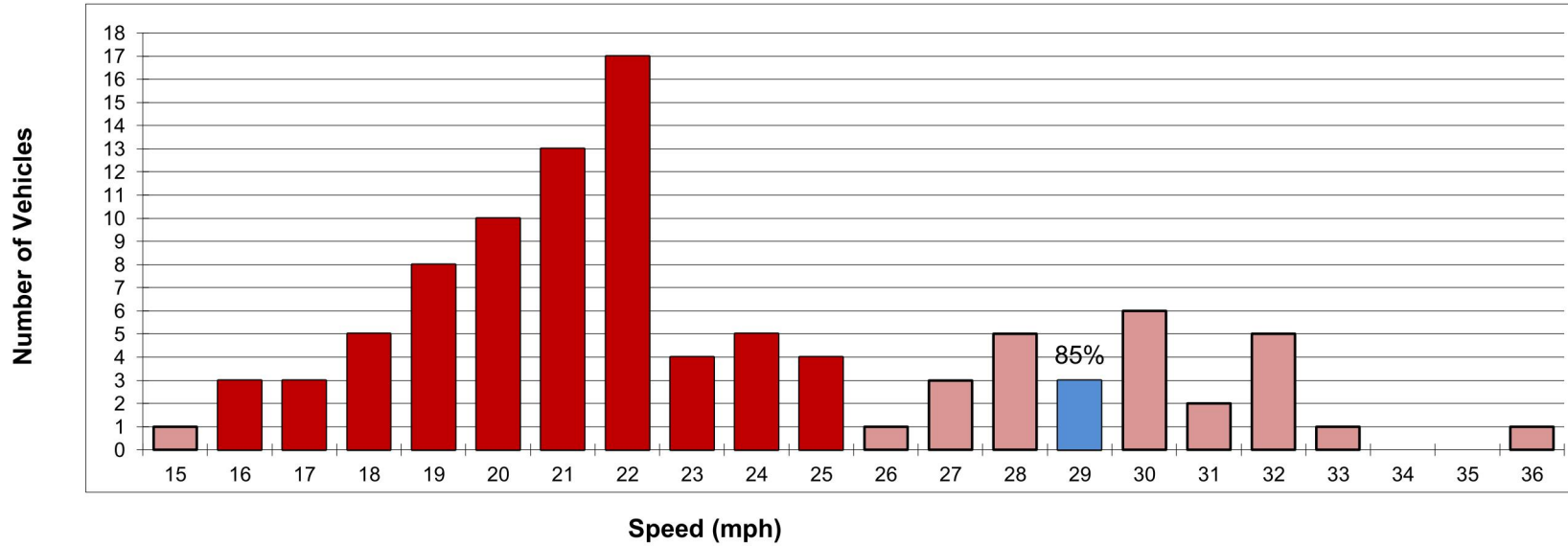
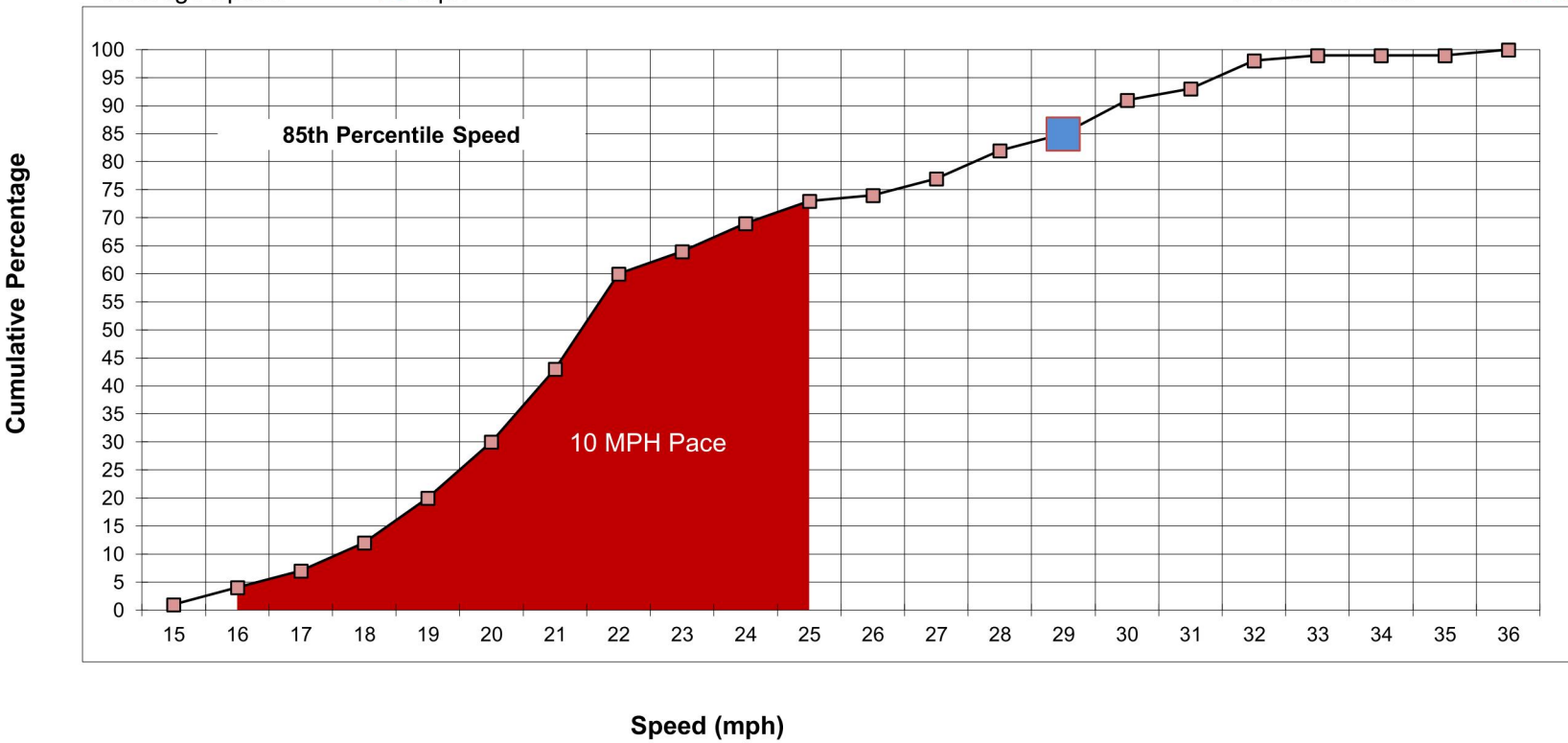
Condition(s) Not Apparent

Range of Speeds **15** to **36**

Speed (MPH)	No. (cars)	Pct. (%)	Cum. Pct. (%)
15	1	1	1
16	3	3	4
17	3	3	7
18	5	5	12
19	8	8	20
20	10	10	30
21	13	13	43
22	17	17	60
23	4	4	64
24	5	5	69
25	4	4	73
26	1	1	74
27	3	3	77
28	5	5	82
29	3	3	85
30	6	6	91
31	2	2	93
32	5	5	98
33	1	1	99
34	0	0	99
35	0	0	99
36	1	1	100
37	0	0	100
38	0	0	100
39	0	0	100
40	0	0	100
41	0	0	100
42	0	0	100
43	0	0	100
44	0	0	100
45	0	0	100
46	0	0	100
47	0	0	100
48	0	0	100
49	0	0	100
50	0	0	100
51	0	0	100
52	0	0	100
53	0	0	100
54	0	0	100
55	0	0	100
56	0	0	100
57	0	0	100

Average Speed **23** mph

Percent in Pace **72 %**





RESOLUTION NO. TSC-2025-01

RESOLUTION OF THE TRAFFIC SAFETY COMMISSION OF THE CITY OF CHULA VISTA RECOMMENDING THAT THE CHULA VISTA CITY COUNCIL ESTABLISH THE SPEED LIMIT ON PALOMAR STREET BETWEEN BAY BOULEVARD TO WALNUT AVENUE/FRONTAGE ROAD AT 30 MPH, AND THAT SCHEDULE X OF THE REGISTER MAINTAINED IN THE OFFICE OF THE CITY ENGINEER BE AMENDED TO REFLECT THE ESTABLISHED SPEED LIMIT

WHEREAS, staff completed an Engineering and Traffic Survey (E&TS) on a segment of Palomar Street between Bay Boulevard to Walnut Avenue/Frontage Road in accordance with the California Vehicle Code (CVC), which stipulates that posted speed limits be determined by an Engineering and Traffic Survey for each street with a posted speed limit within the City; and

WHEREAS, as described in the CVC, the E&TS shall include: 1) Prevailing speeds as determined by traffic engineering measurements; 2) Collision records; and 3) Traffic/roadside conditions not apparent to the driver; and

WHEREAS, the California Manual on Uniform Traffic Control Devices (CA MUTCD) states that the speed limit shall be established at the nearest 5 mph increment of the 85<sup>th</sup> percentile speed. Also, if the 5-mph reduction is applied, the E&TS shall document in writing the conditions and justification for the lower speed limit and be approved by a registered Civil or Traffic Engineer; and

WHEREAS, the CVC indicates that an E&TS may be valid (and thus enforceable by the Police Department) for a period of up to fourteen (14) years or a time when conditions of the roadway change, whichever is sooner; and

WHEREAS, with a valid E&TS, the posted speed limit on street can be enforced “prima facie,” which means that the Police Department can use RADAR/LIDAR technology to enforce the speed limit and the burden of proving whether the driver was proceeding at a safe speed is on the driver; and

WHEREAS, denial of this resolution perpetuates the expired status of the E&TS for Palomar Street such that the Police Department will be unable to enforce the posted speed limit using RADAR/LIDAR technology; and

WHEREAS, based on the 85<sup>th</sup> percentile speed of the roadway and the collision rate referenced in the E&TS, staff has determined that speed limit on Palomar Street between Bay Boulevard and Walnut Avenue/Frontage Road be 30 mph; and

Resolution No. TSC 2025-01

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NOW, THEREFORE, BE IT RESOLVED that the Traffic Safety Commission of the City of Chula Vista does hereby recommend that the City Council, establish the proposed 30 mph speed limit and that Schedule X of the register maintained in the Office of the City Engineer be amended to reflect the speed limit as follows:

- Palomar Street, beginning at Bay Boulevard and ending at Walnut Avenue/Frontage Road, proposed speed limit at 30 mph.

PASSED AND APPROVED by the Traffic Safety Commission of the City of Chula Vista, California, the 10<sup>th</sup> day of April 2025, by the following vote:

AYES: Commissioners: Becerra Firsht, Caudillo, DeMarco, Luke, Marroquin, and Orso-Delgado

NAYS: Commissioners: None

ABSENT: Commissioners: Flores

DocuSigned by:

[Redacted Signature]

4376319A18AB4AE...

Pedro Orso-Delgado, Chair

ATTEST:

Signed by:

[Redacted Signature]

2E776F463EE148C

Florence Picardal, Secretary