

## TRAFFIC SAFETY COMMISSION AGENDA STATEMENT

Item 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 THE SPEED LIMIT ON BOB PLETCHER WAY BETWEEN MILLENIA AVENUE TO WOLF CANYON LOOP AT 25 MPH, 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 an Engineering and Traffic Survey for a segment of Bob Pletcher Way 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).

**RECOMMENDATION:** That the Traffic Safety Commission concur with staff and recommend that the Chula Vista City Council establish a 25 MPH speed limit along Bob Pletcher Way between Millenia Avenue and Wolf Canyon Loop, 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 to ten 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 along Bob Pletcher Way between Millenia Avenue and Wolf Canyon Loop.

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) Traffic/roadside conditions not readily apparent to the driver.

### Physical Conditions

The following information describes the existing conditions along of Bob Pletcher Way:

- Classification Between Millenia Avenue and Wolf Canyon Loop – Local.
- Length/Width – 1,531 feet (0.29 miles) long and 34' to 36' wide.
- Average Daily Traffic: 2,935
- Number of Lanes: One travel lane (1 per direction).
- Existing Speed Limit – None.
- 85% Percentile Speed: 30 mph.
- Striping – Two lanes of traffic.
- Parking – Parking is allowed along both sides of this segment west of SR-125.
- Horizontal Alignment – Horizontal Curve just west of Millenia Avenue.
- Accident Rate History – The accident rate at this segment is 0.0 accidents per million vehicle miles.

### **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, staff has determined that a 25 MPH speed limit along Bob Pletcher Way between Millenia Avenue and Wolf Canyon Loop is recommended.

Should the City Council establish the proposed 25 mph speed limit, Schedule X of the register maintained in the Office of the City Engineer be amended to reflect the speed limit decrease:

- Bob Pletcher Way between Millenia Avenue to Wolf Canyon Loop, proposed speed limit at 25 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 Survey

# Bob Fletcher Way Between Millenia Avenue and Wolf Canyon Loop



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## Segment #53

Bob Pletcher Way between Wolf Canyon Loop and Millenia Avenue



CITY OF CHULA VISTA
ENGINEERING & TRAFFIC SURVEY

Radar
Enforceable?
YES

Table with 2 columns: Field (Street, From, To) and Value (Bob Pletcher Way, Wolf Canyon Loop, Millenia Avenue)

Table with 2 columns: Metric (Date of Speed Survey, Critical Speed, 50th Percentile, Existing Posted Speed Limit, 10 MPH Pace, Percent in Pace) and Value (1/28/2025, 30 MPH, 26 MPH, Not Posted, 21-30 MPH, 77%)

Table with 2 columns: Metric (Street Classification, Length of Street Segment, Average Daily Traffic, Total Accidents, Evaluation Period, Accident Rate, California Statewide Urban Accident Rate) and Value (Local (Undivided), 0.29 miles, 2935, 0, January 1, 2019 - December 31, 2021, 0, 1.16)

Justification: When the nearest 5 mph increment of the 85th-percentile speed would require a rounding down, the speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed (CVC 22358.6(b); CAMUTCD Section 2B.13, Standard 12a, Option 1) - CVC 627(c)(2); CA-MUTCD Section 2B.13, Option 29B (safety of bicyclists, vulnerable pedestrian groups - school).

TRAFFIC ENGINEER'S RECOMMENDATIONS/AUTHORITY:

Posted Speed Limit: Post at 25 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 and conditions not readily apparent, it is appropriate and justified to recommend the posted speed limit be 25 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: [Redacted] DATE: February 20, 2025.

David DiPierro, TE
STC Traffic, Inc.

Reviewed by City Engineer or Designee: [Redacted] Date: 4/3/2025

## 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	0	1	36						X			1
35	0	1	35						X			1
34	0	2	34						X X			2
33	1	1	33	X					X			2
32	1	4	32	X					X X X X			5
31	0	2	31						X X			2
30	4	3	30	X X X X					X X X			7
29	3	1	29	X X X					X			4
28	11	6	28	X X X X X X X X X X X X					X X X X X X X			17
27	4	4	27	X X X X					X X X X			8
26	2	7	26	X X					X X X X X X X X			9
25	4	4	25	X X X X					X X X X			8
24	3	3	24	X X X					X X X			6
23	3	2	23	X X X					X X			5
22	5	3	22	X X X X X					X X X			8
21	4	1	21	X X X X					X			5
20	3	2	20	X X X					X X			5
19	0	2	19						X X			2
18	2	0	18	X X								2
17	0	1	17						X			1
16	0	0	16									0
15	0	0	15									0
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
<b>Total</b>	<b>50</b>	<b>50</b>		<b>GRAND TOTALS</b>								<b>100</b>

**Location:** Bob Pletcher Way  
**Between:** W/ State Route 125  
**Weather:** Clear  
**Date:** 1/28/25  
**Time From:** 3:00  
**Time To:** 3:20  
**Existing Speed Limit:**   N / P   MPH

	Eastbound	Westbound	Combined Statistics
* % Over Pace:	4%	10%	13%
* % In Pace:	86%	72%	77%
* % Under Pace:	10%	18%	10%
* Average Speed:	25 MPH	27 MPH	26 MPH
* Pace Speed:	21 - 30 MPH	23 - 32 MPH	21 - 30 MPH
<b>15th Percentile / Critical Speed:</b> 21 MPH                      22 MPH                      21 MPH			
<b>50th Percentile / Critical Speed:</b> 26 MPH                      26 MPH                      26 MPH			
<b>85th Percentile / Critical Speed:</b> 29 MPH                      32 MPH                      30 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  
 Bob Pletcher Way  
 B/ Wolf Canyon Loop - Millenia Avenue  
 48 Hour Directional Volume Count

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

CVA001  
 Site Code: 232-25010

Start Time	1/28/25 Tue	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	10			3	11				
12:15		0	8			2	25				
12:30		2	10			2	14				
12:45		2	5	4	33	0	11	7	61	11	94
01:00		1	5			0	12				
01:15		0	10			2	19				
01:30		0	15			0	18				
01:45		0	10	1	40	0	16	2	65	3	105
02:00		0	10			1	21				
02:15		1	6			0	27				
02:30		1	5			0	39				
02:45		1	32	3	53	1	53	2	140	5	193
03:00		0	30			3	59				
03:15		1	26			0	34				
03:30		0	64			1	47				
03:45		1	38	2	158	0	62	4	202	6	360
04:00		1	95			0	40				
04:15		0	28			1	33				
04:30		0	24			2	46				
04:45		6	38	7	185	0	23	3	142	10	327
05:00		7	27			2	38				
05:15		7	32			2	29				
05:30		7	29			4	27				
05:45		2	18	23	106	1	32	9	126	32	232
06:00		7	27			3	24				
06:15		6	23			6	29				
06:30		8	12			5	22				
06:45		8	12	29	74	4	30	18	105	47	179
07:00		16	19			40	20				
07:15		27	12			27	24				
07:30		28	8			35	18				
07:45		35	16	106	55	40	22	142	84	248	139
08:00		48	14			85	15				
08:15		43	11			127	18				
08:30		44	7			79	19				
08:45		68	6	203	38	23	15	314	67	517	105
09:00		41	3			9	12				
09:15		13	5			8	5				
09:30		9	1			12	6				
09:45		6	3	69	12	7	6	36	29	105	41
10:00		10	4			10	2				
10:15		7	1			9	7				
10:30		8	1			8	1				
10:45		4	1	29	7	13	3	40	13	69	20
11:00		8	3			11	3				
11:15		4	1			9	2				
11:30		6	2			11	3				
11:45		8	2	26	8	14	0	45	8	71	16
<b>Total</b>		<b>502</b>	<b>769</b>	<b>502</b>	<b>769</b>	<b>622</b>	<b>1042</b>	<b>622</b>	<b>1042</b>	<b>1124</b>	<b>1811</b>
<b>Combined Total</b>		<b>1271</b>		<b>1271</b>		<b>1664</b>		<b>1664</b>		<b>2935</b>	
AM Peak	-	08:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	203	-	-	-	331	-	-	-	-	-
P.H.F.	-	0.746	-	-	-	0.652	-	-	-	-	-
PM Peak	-	-	03:30	-	-	-	03:00	-	-	-	-
Vol.	-	-	225	-	-	-	202	-	-	-	-
P.H.F.	-	-	0.592	-	-	-	0.815	-	-	-	-
Percentage		39.5%	60.5%			37.4%	62.6%				

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 B/ Wolf Canyon Loop - Millenia Avenue  
 48 Hour Directional Volume Count

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Start Time	1/29/25 Wed	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	6			2	16				
12:15		1	6			4	12				
12:30		1	6			0	16				
12:45		0	9	2	27	0	18	6	62	8	89
01:00		1	8			2	19				
01:15		0	11			0	21				
01:30		0	7			2	20				
01:45		0	6	1	32	1	16	5	76	6	108
02:00		0	2			0	18				
02:15		0	5			0	24				
02:30		0	6			0	36				
02:45		0	8	0	21	1	47	1	125	1	146
03:00		0	17			2	47				
03:15		0	26			0	39				
03:30		0	56			0	35				
03:45		1	29	1	128	1	77	3	198	4	326
04:00		0	62			1	29				
04:15		0	22			0	34				
04:30		0	22			0	35				
04:45		2	22	2	128	0	32	1	130	3	258
05:00		5	27			1	31				
05:15		7	22			2	38				
05:30		9	18			2	22				
05:45		7	26	28	93	4	44	9	135	37	228
06:00		10	23			2	38				
06:15		5	22			6	29				
06:30		13	21			6	24				
06:45		11	10	39	76	6	19	20	110	59	186
07:00		20	5			36	20				
07:15		27	15			32	18				
07:30		24	8			23	21				
07:45		28	10	99	38	38	17	129	76	228	114
08:00		52	14			100	24				
08:15		56	20			125	17				
08:30		50	11			75	18				
08:45		57	7	215	52	28	15	328	74	543	126
09:00		38	7			13	17				
09:15		11	5			7	11				
09:30		13	4			15	9				
09:45		5	1	67	17	18	11	53	48	120	65
10:00		10	4			7	8				
10:15		5	6			14	1				
10:30		5	4			9	2				
10:45		9	2	29	16	14	4	44	15	73	31
11:00		9	1			9	3				
11:15		10	1			11	2				
11:30		14	1			8	1				
11:45		7	1	40	4	15	1	43	7	83	11
<b>Total</b>		<b>523</b>	<b>632</b>	<b>523</b>	<b>632</b>	<b>642</b>	<b>1056</b>	<b>642</b>	<b>1056</b>	<b>1165</b>	<b>1688</b>
<b>Combined Total</b>		<b>1155</b>		<b>1155</b>		<b>1698</b>		<b>1698</b>		<b>2853</b>	
AM Peak	-	08:00	-	-	-	07:45	-	-	-	-	-
Vol.	-	215	-	-	-	338	-	-	-	-	-
P.H.F.	-	0.943	-	-	-	0.676	-	-	-	-	-
PM Peak	-	-	03:15	-	-	-	03:00	-	-	-	-
Vol.	-	-	173	-	-	-	198	-	-	-	-
P.H.F.	-	-	0.698	-	-	-	0.643	-	-	-	-
Percentage		45.3%	54.7%			37.8%	62.2%				
ADT/AADT		ADT 2,894		AADT 2,894							

# 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

### Bob Pletcher Way between Wolf Canyon Loop and Millenia Avenue

Direction

85th Percentile

**30**      **mph**

Block Range

Posted Speed Limit

**N/P**      **mph**

Street Class

Radar Enforceable

**Yes**

Speeds Were Collected

**01/28/25**

Speeds Were Collected

**3:00 pm**

Observer

**Counts Unlimited**

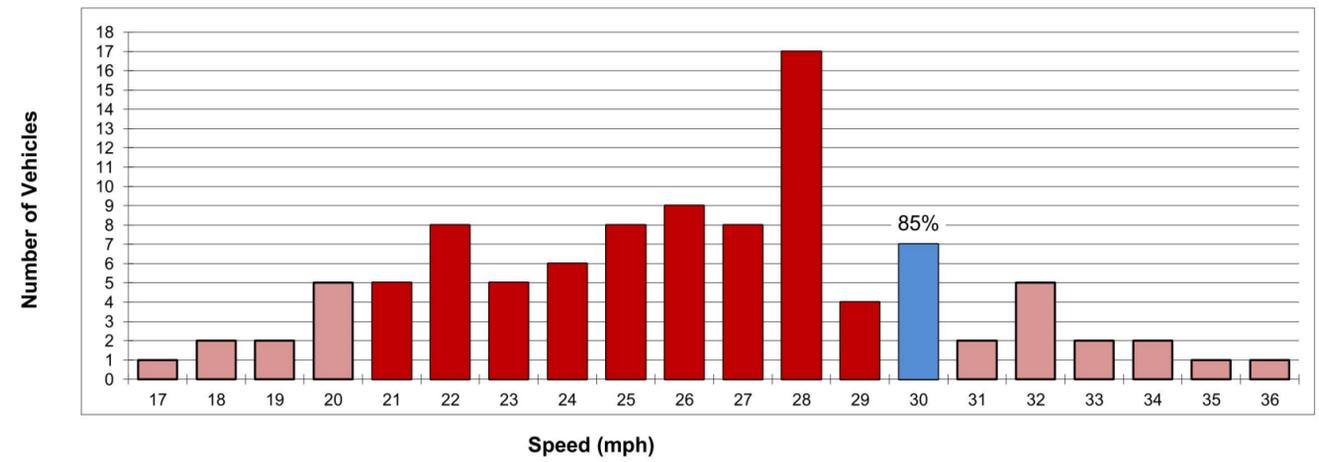
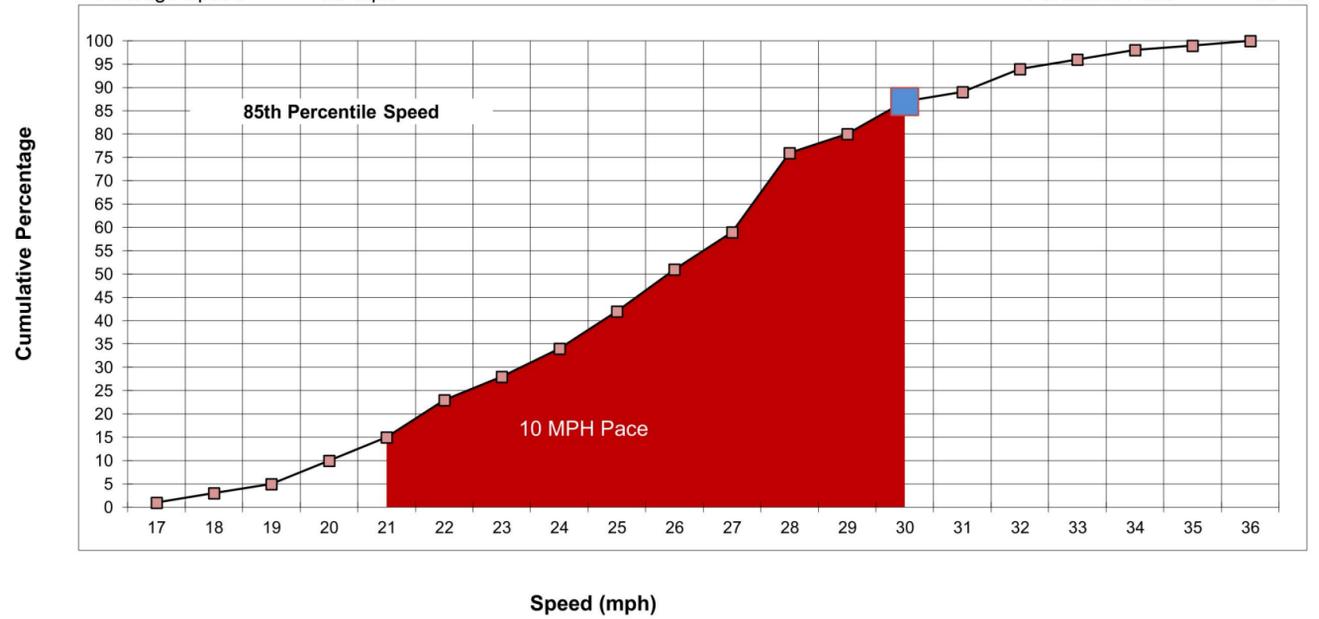
Condition(s) Not Apparent

Range of Speeds      **17** to      **36**

Speed (MPH)	No. (cars)	Pct. (%)	Cum. Pct. (%)
15	0	0	0
16	0	0	0
17	1	1	1
18	2	2	3
19	2	2	5
20	5	5	10
21	5	5	15
22	8	8	23
23	5	5	28
24	6	6	34
25	8	8	42
26	9	9	51
27	8	8	59
28	17	17	76
29	4	4	80
30	7	7	87
31	2	2	89
32	5	5	94
33	2	2	96
34	2	2	98
35	1	1	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      **26** mph

Percent in Pace      **77** %



RESOLUTION NO. TSC-2025-02

RESOLUTION OF THE TRAFFIC SAFETY COMMISSION OF THE CITY OF CHULA VISTA RECOMMENDING THAT THE CHULA VISTA CITY COUNCIL ESTABLISH THE SPEED LIMIT ON BOB PLETCHER WAY BETWEEN MILLENIA AVENUE TO WOLF CANYON LOOP AT 25 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 Bob Pletcher Way between Millenia Avenue to Wolf Canyon Loop 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 limits the Police Department such that it 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 referenced in the E&TS, staff has determined that speed limit on Bob Pletcher Way between Millenia Avenue to Wolf Canyon Loop be 25 mph; and

Resolution No. TSC 2025-02

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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 25 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:

- Bob Pletcher Way between Millenia Avenue to Wolf Canyon Loop, proposed speed limit at 25 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 Firsh, Caudillo, DeMarco, Luke, Marroquin, Orso-Delgado

NAYS: Commissioners: None

ABSENT: Commissioners: Flores

DocuSigned by:  
  
4376319A18AB4AE...  
Pedro Orso-Delgado, Chair

ATTEST:

Signed by:  
  
2E776F463EE148C  
Florence Picardal, Secretary