

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 85th 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.

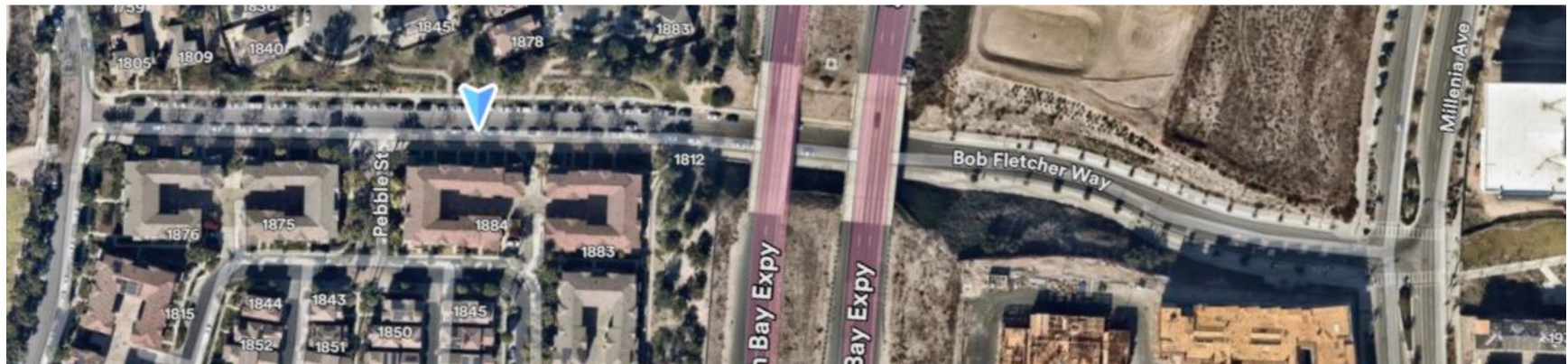
FISCAL IMPACT:

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 Pletcher Way Between Millenia Avenue and Wolf Canyon Loop



Segment #53

Bob Pletcher Way between Wolf Canyon Loop and Millenia
Avenue



**CITY OF CHULA VISTA
ENGINEERING & TRAFFIC SURVEY**

**Radar
Enforceable?
YES**

Street:	Bob Pletcher Way		
From:	Wolf Canyon Loop	To:	Millenia Avenue

Date of Speed Survey:	1/28/2025
Critical Speed (85th)	30 MPH
50th Percentile	26 MPH
Existing Posted Speed Limit	Not Posted
10 MPH Pace	21-30 MPH
Percent in Pace	77%

Street Classification:	Local (Undivided)
Length of Street Segment:	0.29 miles
Average Daily Traffic:	2935
Total Accidents (3 years):	0
Evaluation Period:	January 1, 2019 – December 31, 2021
Accident Rate (MVM):	0
California Statewide Urban Accident Rate (MVM, 2019-2021):	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					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
Total	50	50		GRAND TOTALS										100

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:	<u>4%</u>	<u>10%</u>	<u>13%</u>
* % In Pace:	<u>86%</u>	<u>72%</u>	<u>77%</u>
* % Under Pace:	<u>10%</u>	<u>18%</u>	<u>10%</u>
* Average Speed:	<u>25</u> MPH	<u>27</u> MPH	<u>26</u> MPH
* Pace Speed:	<u>21 - 30</u> MPH	<u>23 - 32</u> MPH	<u>21 - 30</u> MPH
<hr/>			
15th Percentile / Critical Speed:	21 MPH	22 MPH	21 MPH
<hr/>			
50th Percentile / Critical Speed:	26 MPH	26 MPH	26 MPH
<hr/>			
85th Percentile / Critical Speed:	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
Total		502	769	502	769	622	1042	622	1042	1124	1811
Combined Total		1271		1271		1664		1664		2935	
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%				

Counts Unlimited, Inc.

Page 2

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	1/29/25 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
Total		523	632	523	632	642	1056	642	1056	1165	1688
Combined Total		1155		1155		1698		1698		2853	
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

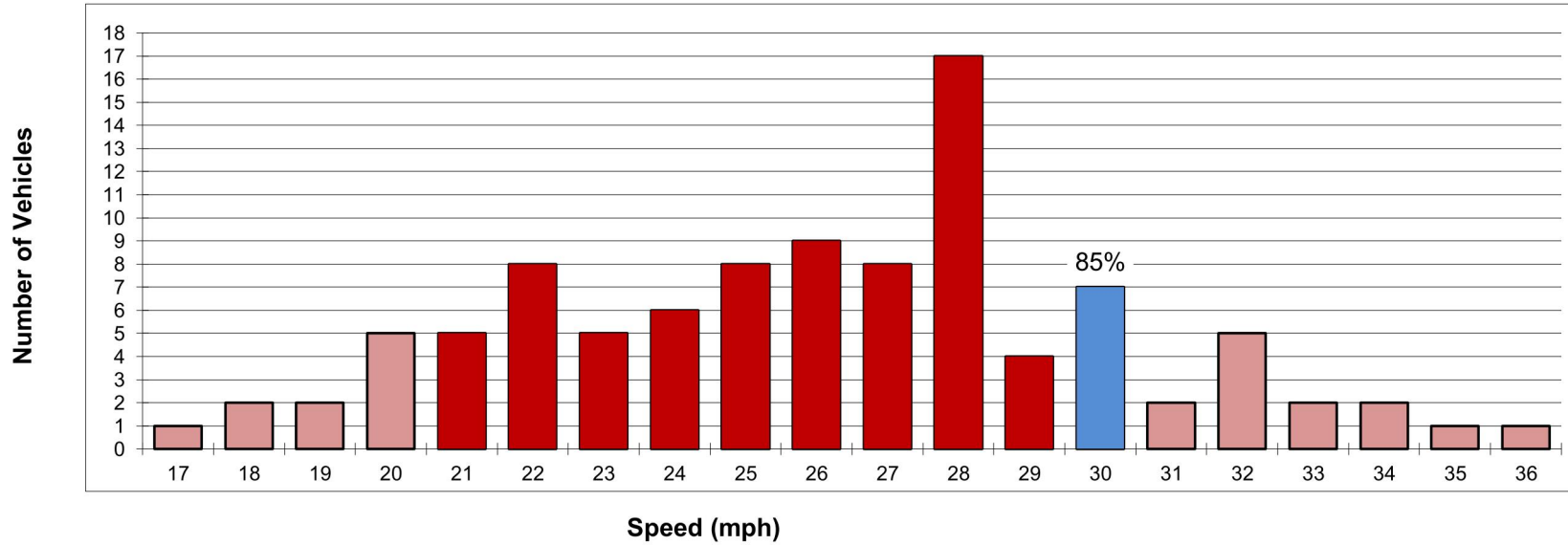
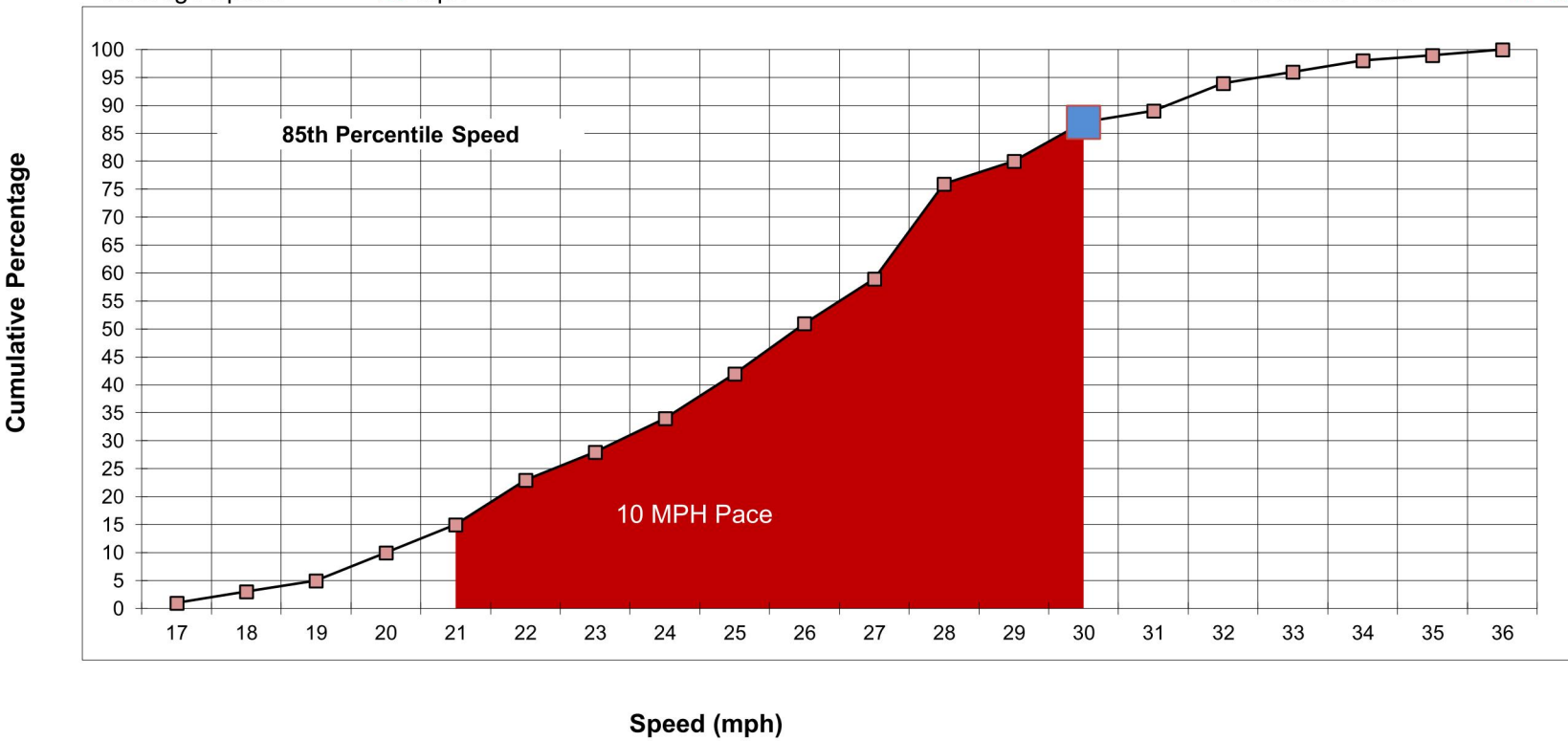
Condition(s) Not Apparent

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 85th 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 85th 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

Page 2

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 10th 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:

[Redacted Signature]

4376319A18AB4AE...

Pedro Orso-Delgado, Chair

ATTEST:

Signed by:

[Redacted Signature]

2E776F463EE148C

Florence Picardal, Secretary