

San Diego County Traffic Advisory Committee



Committee Secretary
5510 Overland Avenue #410, Room 470, M.S. 0-334
San Diego, California 92123-1239
(858) 694-3843

Represented Agencies

County of San Diego Fire Authority
California Department of
Transportation
California Highway Patrol
Independent Insurance Agents
& Brokers of San Diego
San Diego County Bicycle Coalition
San Diego County Department of
Public Works
San Diego County Office of Education
Pacific Safety Center
San Diego County Sheriff's
Department

May 31, 2023

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the June 9, 2023 meeting of the Traffic Advisory Committee (TAC).

This TAC meeting on June 9, 2023, will be conducted with a virtual meeting platform option. Please join us in person or use this link below to join the meeting:

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 231 253 107 456

Passcode: KUH8bk

Or call in (audio only)

[+1 619-343-2539,,342251336#](#) United States, San Diego

Phone Conference ID: 342 251 336#

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Your community group may have previously provided formal input on these matters and your group's recommendations would be included as part of the Chief Administrative Officer's report to the Board of Supervisors along with TAC recommendations. The Board of Supervisors will make a final decision as to what action will be taken after reviewing TAC recommendations and community group input, when available.

If your community planning/sponsor group representative would like to attend the TAC meeting and participate in the discussion of an item on this agenda, or if you do have any questions or need additional information regarding this procedure, please contact me at (858) 694-3843. TAC staff is available to provide background information on items and to answer questions you may have.

Very truly yours,

Kenton R. Jones, Secretary
San Diego County Traffic Advisory Committee

KRJ:bb
Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**June 9, 2023 ~ 9:00 AM
5510 Overland Ave, Room 271
San Diego CA, 92123**

AGENDA

- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes**
- IV. Announcements / Public Forum**
- V. Items for Review**

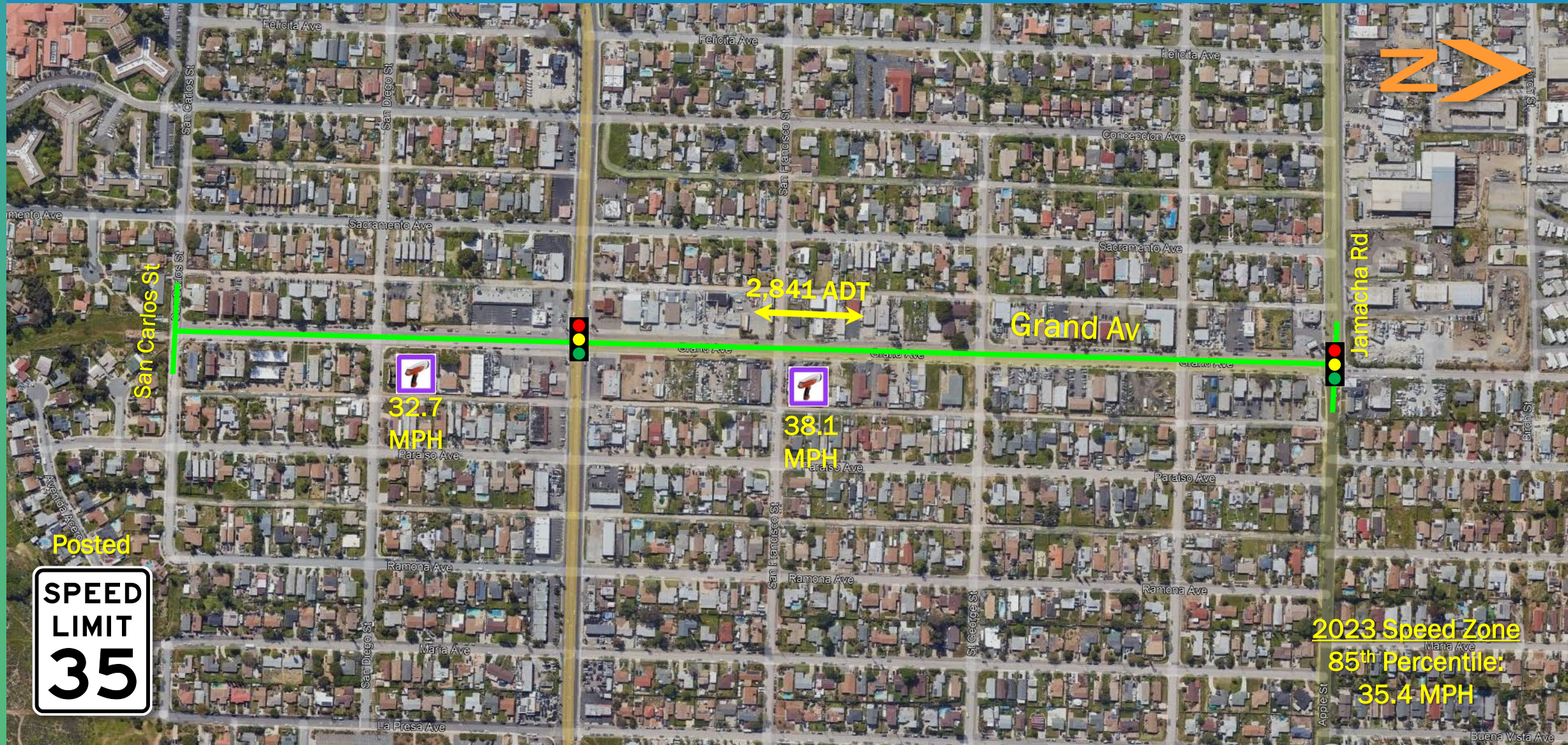
SUBJECT	LOCATION	AREA/ COMMUNITY GROUP
<u>SUPERVISORIAL DISTRICT 1</u>		
1-A. RADAR CERTIFICATION	GRAND AVENUE SAN CARLOS ST TO JAMACHA RD	LA PRESA/ SPRING VALLEY CPG
 <u>SUPERVISORIAL DISTRICT 4</u>		
4-A. INTERSECTION CONTROLS	HILTON HEAD ROAD & INVERARY DRIVE	HILLSDALE/ VALLE DE ORO CPG
 <u>SUPERVISORIAL DISTRICT 5</u>		
5-A. RADAR CERTIFICATION	FRUITVALE ROAD MAC TAN RD TO COLE GRADE ROAD	VALLEY CENTER/ VALLEY CENTER CPG
5-B. RADAR CERTIFICATION	SUNSET DRIVE ESCONDIDO C/L TO ESCONDIDO C/L	SAN PASQUAL/ N/A

For information on joining the meeting via Microsoft Teams, please look for the meeting agenda on the Traffic Advisory Committee website at:

<https://www.sandiegocounty.gov/content/sdc/dpw/transportation/tacagenda.html>

Grand Avenue

San Carlos Street to Jamacha Road
0.74 miles



2023 Speed Zone
85th Percentile:
35.4 MPH

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 9, 2023

Item 1-A

SUPERVISORIAL DISTRICT: 1

SUBJECT: Radar Certification

LOCATION: Grand Avenue from San Carlos Street to Jamacha Road (a distance of 0.74 miles) LA PRESA (Thos. Bros. 1291-B4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Grand Avenue from San Carlos Street to Jamacha Road is currently posted with a 35 MPH speed limit. A preliminary review of prevailing speeds and roadway conditions could support radar certification of the 35 MPH speed limit.

Existing Traffic Devices

Grand Avenue is a striped 2-lane divided highway that is 64 feet wide. The road is striped with a two way left turn lane, bike lanes, and parking lane. Grand Avenue is posted with, bike lane signs, a 15 MPH speed advised dip, and a signal ahead sign. Grand Avenue, from Jamacha Boulevard to Jamacha Road, is a through highway classified as a Light Collector on the County General Plan Mobility Element Network. The road is posted with a 35 MPH speed limit.

Average Daily Traffic Volumes

Grand Avenue:

	<u>04/23</u>	<u>08/15</u>
100' S/o Jamacha Boulevard	1,825	
250' N/o Jamacha Boulevard	3,233	
250' S/o Jamacha Road	3,465	3,818

Speed Data

Grand Avenue:

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
100' N/o San Diego Street	(2023)	32.7 MPH	24-33	80.0%
	(2015)	37.0 MPH	29-38	86.0%
100' N/o San Francisco Street	(2023)	38.1 MPH	30-39	74.0%
	(2015)	40.0 MPH	29-38	77.0%
Speed Zone	(2023)	35.4 MPH	27-37	77.0%
	(2015)	37.5 MPH	29-38	81.5%

Collision Data

There have been 24 reported collisions, 9 of which involved an injury, along this segment of roadway in a 3-year period (2020-01-01 to 2022-12-31). These collisions result in a segment accident rate of 10.44 collisions per million vehicle miles. The statewide average is 1.68 collisions per million vehicle miles for similar suburban, conventional 2 lanes or less, roads with speeds less than 45 MPH.

City: Spring Valley
Project #: CA23 040063 012

AM Peak Hour	7:00	8:15			8:30	PM Peak Hour	18:00	15:15			18:00
AM Pk Volume	76	43			115	PM Pk Volume	84	86			162
Pk Hr Factor	0.704	0.768			0.898	Pk Hr Factor	0.808	0.935			0.794
7 - 9 Volume	139	65	0	0	204	4 - 6 Volume	132	141	0	0	273
7 - 9 Peak Hour	7:00	8:00			7:45	4 - 6 Peak Hour	16:30	16:00			16:00
7 - 9 Pk Volume	76	37	0	0	109	4 - 6 Pk Volume	68	75	0	0	142
Pk Hr Factor	0.704	0.771	0.000	0.000	0.801	Pk Hr Factor	0.773	0.815	0.000	0.000	0.755

VOLUME

Grand Ave 250' N/O Jamacha Blvd

Day: Wednesday
Date: 4/12/2023

City: Spring Valley
Project #: CA23_040063_013

DAILY TOTALS				NB	SB	EB				WB	Total
				1,535	1,698					0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	5	5			10	12:00	21	22			43
0:15	3	2			5	12:15	30	29			59
0:30	7	2			9	12:30	23	32			55
0:45	3	18	0	9	3	12:45	28	102	31	114	59
1:00	3	5			8	13:00	29	36			65
1:15	1	2			3	13:15	25	26			51
1:30	2	4			6	13:30	28	26			54
1:45	5	11	3	14	8	13:45	41	123	35	123	76
2:00	2	0			2	14:00	27	17			44
2:15	0	3			3	14:15	25	33			58
2:30	1	0			1	14:30	32	34			66
2:45	3	6	0	3	3	14:45	23	107	30	114	53
3:00	0	0			0	15:00	41	19			60
3:15	0	0			0	15:15	29	35			64
3:30	1	2			3	15:30	23	44			67
3:45	2	3	2	4	4	15:45	34	127	43	141	77
4:00	0	2			2	16:00	25	36			61
4:15	1	5			6	16:15	31	53			84
4:30	2	3			5	16:30	26	36			62
4:45	2	5	3	13	5	16:45	22	104	33	158	55
5:00	4	6			10	17:00	36	34			70
5:15	7	7			14	17:15	31	37			68
5:30	6	6			12	17:30	41	31			72
5:45	12	29	8	27	20	17:45	24	132	29	131	53
6:00	9	10			19	18:00	27	21			48
6:15	6	5			11	18:15	22	24			46
6:30	11	11			22	18:30	24	31			55
6:45	15	41	20	46	35	18:45	20	93	33	109	53
7:00	14	14			28	19:00	17	27			44
7:15	16	22			38	19:15	23	31			54
7:30	8	19			27	19:30	23	19			42
7:45	13	51	26	81	39	19:45	14	77	18	95	32
8:00	16	24			40	20:00	18	20			38
8:15	17	18			35	20:15	12	14			26
8:30	22	22			44	20:30	29	16			45
8:45	19	74	22	86	41	20:45	15	74	8	58	23
9:00	24	34			58	21:00	16	7			23
9:15	9	24			33	21:15	14	11			25
9:30	21	31			52	21:30	9	5			14
9:45	23	77	7	96	30	21:45	12	51	13	36	25
10:00	31	20			51	22:00	7	11			18
10:15	20	27			47	22:15	7	3			10
10:30	25	20			45	22:30	6	5			11
10:45	20	96	25	92	45	22:45	9	29	3	22	12
11:00	12	21			33	23:00	5	5			10
11:15	35	29			64	23:15	3	6			9
11:30	23	32			55	23:30	1	3			4
11:45	21	91	28	110	49	23:45	5	14	2	16	7
TOTALS	502	581			1083	TOTALS	1033	1117			2150
SPLIT %	46.4%	53.6%			33.5%	SPLIT %	48.0%	52.0%			66.5%

DAILY TOTALS			NB	SB	EB			WB	Total	
			1,535	1,698				0		
AM Peak Hour	11:15	8:45			11:15	PM Peak Hour	17:00	15:30		
AM Pk Volume	100	111			211	PM Pk Volume	132	176		289
Pk Hr Factor	0.714	0.816			0.824	Pk Hr Factor	0.805	0.830		0.860
7 - 9 Volume	125	167	0	0	292	4 - 6 Volume	236	289	0	525
7 - 9 Peak Hour	8:00	7:15			8:00	4 - 6 Peak Hour	17:00	16:00		16:15
7 - 9 Pk Volume	74	91	0	0	160	4 - 6 Pk Volume	132	158	0	271
Pk Hr Factor	0.841	0.875	0.000	0.000	0.909	Pk Hr Factor	0.805	0.745	0.000	0.807

Day: Wednesday
Date: 4/12/2023

City: Spring Valley
Project #: CA23 040063 014

AM Peak Hour	9:45	8:45		11:30	PM Peak Hour	17:00	15:30		15:15
AM Pk Volume	107	114		204	PM Pk Volume	155	164		298
Pk Hr Factor	0.811	0.814		0.864	Pk Hr Factor	0.824	0.872		0.931
7 - 9 Volume	153	163	0	316	4 - 6 Volume	276	254	0	530
7 - 9 Peak Hour	7:45	7:15		7:45	4 - 6 Peak Hour	17:00	16:00		17:00
7 - 9 Pk Volume	89	87	0	170	4 - 6 Pk Volume	155	135	0	274
Pk Hr Factor	0.856	0.837	0.000	0.904	Pk Hr Factor	0.824	0.912	0.000	0.938



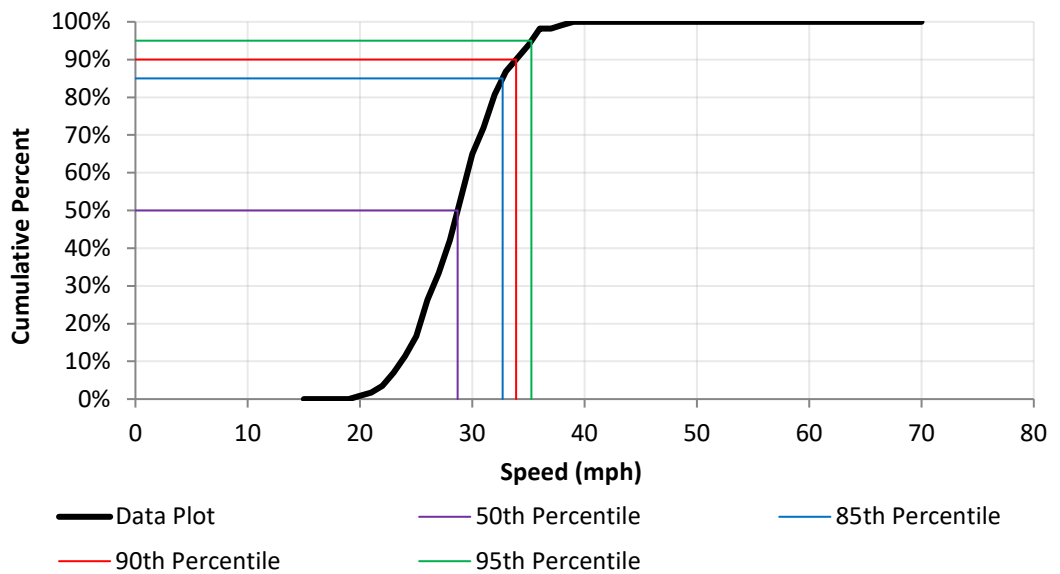
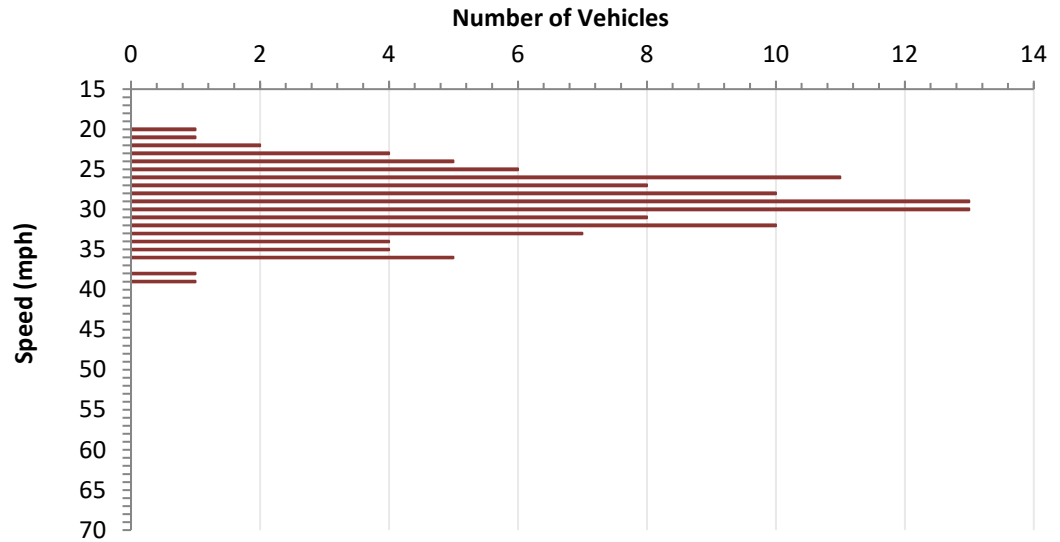
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Grand Av	From: San Carlos St	To: Jamacha Rd
Position:	100' N/o San Diego St	Direction:	NB/SB

Date:	4/18/2023	Weather:	Clear	Project Number:	23-040064-009
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20	1	0.9%
21	1	1.8%
22	2	3.5%
23	4	7.0%
24	5	11.4%
25	6	16.7%
26	11	26.3%
27	8	33.3%
28	10	42.1%
29	13	53.5%
30	13	64.9%
31	8	71.9%
32	10	80.7%
33	7	86.8%
34	4	90.4%
35	4	93.9%
36	5	98.2%
37		
38	1	99.1%
39	1	100.0%
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
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56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	114	



DATA ANALYSIS

Average Speed	29.2	Range	20 - 39
50th Percentile	28.7	10 mph Pace	24 - 33
85th Percentile	32.7	Number in Pace	91
90th Percentile	33.9	Percent in Pace	80%
95th Percentile	35.3		



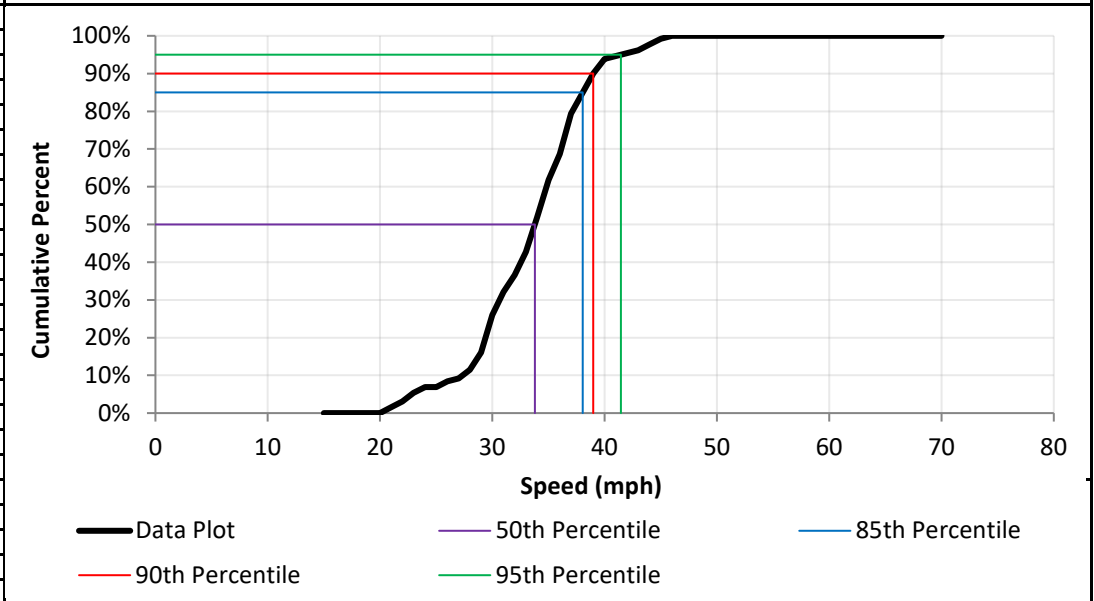
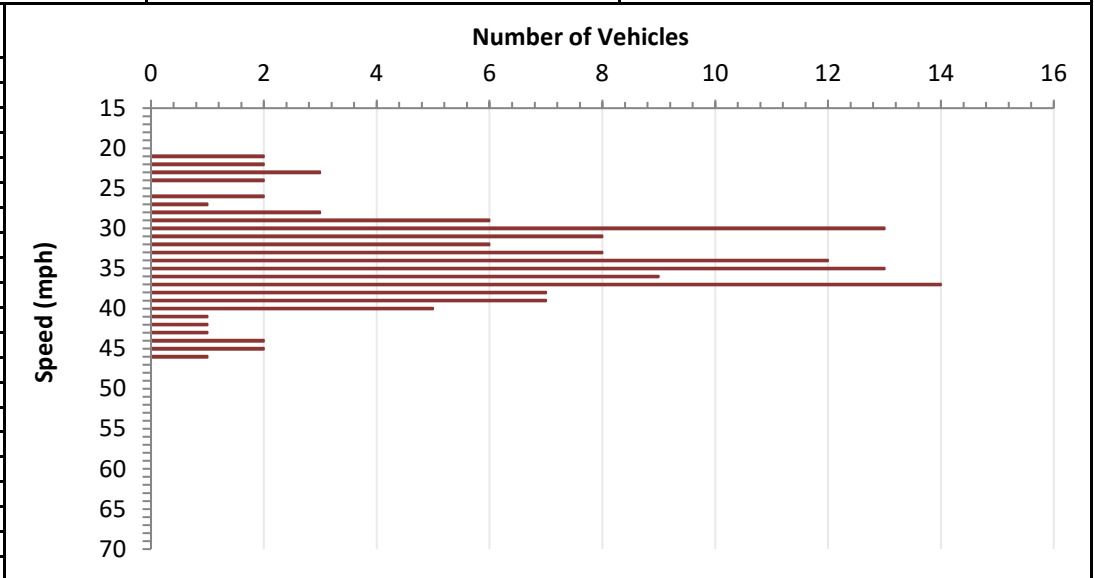
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Grand Av	From:	San Carlos St	To:	Jamacha Rd
Position:	100' N/o San Francisco St	Direction:	NB/SB		

Date:	4/18/2023	Weather:	Clear	Project Number:	23-040064-010
Time Start:	11:05 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:05 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	2	1.5%
22	2	3.1%
23	3	5.3%
24	2	6.9%
25		
26	2	8.4%
27	1	9.2%
28	3	11.5%
29	6	16.0%
30	13	26.0%
31	8	32.1%
32	6	36.6%
33	8	42.7%
34	12	51.9%
35	13	61.8%
36	9	68.7%
37	14	79.4%
38	7	84.7%
39	7	90.1%
40	5	93.9%
41	1	94.7%
42	1	95.4%
43	1	96.2%
44	2	97.7%
45	2	99.2%
46	1	100.0%
47		
48		
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62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	131	



DATA ANALYSIS

Average Speed	33.8	Range	21 - 46
50th Percentile	33.8	10 mph Pace	30 - 39
85th Percentile	38.1	Number in Pace	97
90th Percentile	39.0	Percent in Pace	74%
95th Percentile	41.5		

Hilton Head Road & Inverary Drive



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 9, 2023 **Item 4-A**

SUPERVISORIAL DISTRICT: 4

SUBJECT: Intersection Control

LOCATION: Hilton Head Road & Inverary Drive, HILLSDALE (Thos. Bros. 1272-B5)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

The intersection of Hilton Head Road and Inverary Drive has been identified by Traffic Engineering as meeting Option B, an intersection where there is a need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes, and Option D, at an intersection of two residential collectors of similar design and the all-way stop would enhance the traffic operations of said intersection, of the Multi-Way Stop Application optional criteria as described in the California Manual on Uniform Traffic Control Devices (CA MUTCD), Section 2B.07, therefore an all-way stop control should be considered.

Existing Traffic Devices

Hilton Head Road is a two-lane striped undivided through highway with a 40-foot pavement width. The roadway is striped with a no passing centerline. Hilton Head Road is signed with a playground speed limit adjacent to Hilton Head County Park. Hilton Head Road is unclassified on the County General Plan Mobility Element Network. The road has a posted 25 MPH speed limit.

Inverary Drive is an unstriped two-lane divided highway with a 40-foot pavement width. The roadway is divided by a planted median. The road is stop controlled at the intersection with Hilton Head Road. Inverary Drive is unclassified on the County General Plan Mobility Element Network. The road has a posted 25 MPH speed limit.

Average Daily Traffic Volumes

02/23

Hilton Head Road:

N/o Inverary Drive

1,089 SB

S/o Inverary Drive

803 NB

Inverary Drive:

E/o Hilton Head Road

697 EB

Collision Data

There have been 4 reported collision, 1 which involved an injury, at this intersection, within a past 5-year period (2018-03-31 to 2023-03-31). This collision results in an intersection

accident rate of 0.85 collisions per million vehicles entering. The statewide average for similar, suburban, tee intersections with some stop controls is 0.22 collisions per million vehicles entering.



County of San Diego

WILLIAM P. MORGAN, P.E.
INTERIM DIRECTOR

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVENUE, SUITE 410
SAN DIEGO, CA 92123-1237
(858) 694-2212
www.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: May 16, 2023

Item Title: All-Way Stop Control

Location: Hilton Head Road and Inverary Drive Intersection, El Cajon

CTE Recommendation: **Install an All-Way Stop Control** 

Conditions:

- Section 21354 "Stop Signs on Local Highways" of the California Vehicle Code (CVC) authorizes local agencies to designate any intersection under its exclusive jurisdiction as a stop intersection.
- Section 2B.07 "Multi-Way Stop Applications" of the California Manual on Uniform Traffic Control Devices (MUTCD) provides guidelines that should and/or may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Option B of Section 2B.07 - An All-Way Stop Control may be considered to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes, such as schools and parks. The subject intersection of Hilton Head Road and Inverary Drive is located within Hilton Head County Park.
- In addition, option D of section 2B.07 - An all-way stop control may be considered at an intersection of two residential collectors of similar design and the all-way stop would enhance the traffic operations of said intersection. Both Hilton Head Road and Inverary Drive are residential collectors.
- During the period of April 1, 2018, to March 31, 2023, there was 4 collisions in the intersection. These collisions resulted in an intersection accident rate of 0.85 vs the statewide average for similar intersections of 0.22 collision per million vehicles entering.

- Pursuant to CVC section 21354 coupled with traffic condition noted above in accordance with Section 2B.07 of the California MUTCD, it is my recommendation that an All-Way Stop Control is appropriate and safe for the intersection of Hilton Head Road and Inverary Drive.

VOLUME

Hilton Head Rd & Inverary Dr

Day: Tuesday

Date: 2/14/2023

City: El Cajon

Project #: CA23_040032_005

DAILY TOTALS					NB	SB						EB	WB						Total
					803	1,089						0	697						2,589
AM Period	NB		SB		EB		WB		TOTAL	PM Period	NB		SB		EB		WB		TOTAL
00:00	3		3				2		8	12:00	15		15				4		34
00:15	6		2				2		10	12:15	12		13				9		34
00:30	0		2				3		5	12:30	11		18				10		39
00:45	4	13	0	7			1	8	5 28	12:45	12	50	12	58			7	30	31 138
01:00	1		1				1		3	13:00	13		16				11		40
01:15	4		1				1		6	13:15	14		9				9		32
01:30	3		3				1		7	13:30	13		23				4		40
01:45	1	9	0	5			2	5	3 19	13:45	11	51	16	64			18	42	45 157
02:00	1		0				0		1	14:00	10		28				17		55
02:15	1		1				0		2	14:15	11		15				17		43
02:30	0		1				0		1	14:30	24		26				9		59
02:45	0	2	0	2			0		0 4	14:45	12	57	23	92			13	56	48 205
03:00	0		0				2		2	15:00	16		19				13		48
03:15	0		1				0		1	15:15	17		18				17		52
03:30	1		2				1		4	15:30	17		19				14		50
03:45	0	1	0	3			1	4	1 8	15:45	19	69	34	90			11	55	64 214
04:00	1		0				4		5	16:00	14		14				9		37
04:15	1		2				0		3	16:15	24		35				13		72
04:30	0		2				1		3	16:30	16		21				17		54
04:45	2	4	0	4			1	6	3 14	16:45	18	72	19	89			8	47	45 208
05:00	1		3				2		6	17:00	19		22				18		59
05:15	1		6				3		10	17:15	10		13				14		37
05:30	0		9				0		9	17:30	15		26				9		50
05:45	2	4	7	25			2	7	11 36	17:45	9	53	18	79			8	49	35 181
06:00	3		12				3		18	18:00	8		18				7		33
06:15	7		11				4		22	18:15	15		19				11		45
06:30	5		9				4		18	18:30	12		18				10		40
06:45	2	17	8	40			6	17	16 74	18:45	10	45	19	74			12	40	41 159
07:00	4		11				10		25	19:00	16		18				7		41
07:15	10		14				14		38	19:15	16		10				10		36
07:30	11		20				21		52	19:30	9		14				4		27
07:45	13	38	28	73			15	60	56 171	19:45	12	53	6	48			2	23	20 124
08:00	11		24				16		51	20:00	9		10				3		22
08:15	15		21				19		55	20:15	11		12				6		29
08:30	12		16				14		42	20:30	7		11				4		22
08:45	7	45	19	80			20	69	46 194	20:45	14	41	10	43			4	17	28 101
09:00	13		16				15		44	21:00	9		9				6		24
09:15	11		14				15		40	21:15	6		5				6		17
09:30	9		6				6		21	21:30	6		11				3		20
09:45	10	43	7	43			16	52	33 138	21:45	6	27	11	36			2	17	19 80
10:00	9		15				12		36	22:00	11		3				1		15
10:15	7		13				8		28	22:15	8		8				4		20
10:30	8		9				12		29	22:30	7		7				5		19
10:45	10	34	9	46			8	40	27 120	22:45	1	27	3	21			5	15	9 63
11:00	6		17				9		32	23:00	5		3				2		10
11:15	7		13				9		29	23:15	2		5				0		7
11:30	7		8				5		20	23:30	4		3				1		8
11:45	17	37	13	51			12	35	42 123	23:45	0	11	5	16			0	3	5 30
TOTALS	247		379		303		929			TOTALS	556		710		394		1660		
SPLIT %	26.6%		40.8%		32.6%		35.9%			SPLIT %	33.5%		42.8%		23.7%		64.1%		

DAILY TOTALS					NB	SB						EB	WB						Total
					803	1,089						0	697						2,589
AM Peak Hour	11:45		07:30		07:30	07:30				PM Peak Hour	16:15		15:45		13:45		16:15		
AM Pk Volume	55		93		71	214				PM Pk Volume	77		104		61		230		
Pk Hr Factor	0.809		0.830		0.845	0.955				Pk Hr Factor	0.802		0.743		0.847		0.799		
7 - 9 Volume	83		153	0	129	365				4 - 6 Volume	125		168	0	96		389		
7 - 9 Peak Hour	07:45		07:30		07:30	07:30				4 - 6 Peak Hour	16:15		16:15		16:30		16:15		
7 - 9 Pk Volume	51		93	0	71	214				4 - 6 Pk Volume	77		97	0	57		230		
Pk Hr Factor	0.850		0.830	0.000	0.845	0.955				Pk Hr Factor	0.802		0.693	0.000	0.792		0.799		

Fruitvale Road

Mac Tan Road to Cole Grade Road
1.77 miles



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 9, 2023

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Fruitvale Road from Mac Tan Road to Cole Grade Road (a distance of 1.77 miles) VALLEY CENTER (Thos. Bros. 1070-G7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Fruitvale Road from Mac Tan Road to Cole Grade Road is currently posted with a 50 MPH, radar enforced, speed limit. A preliminary review of prevailing speeds and roadway conditions could support radar certification of the 50 MPH speed limit.

Existing Traffic Devices

Fruitvale Road is a striped 2-lane undivided highway that is 30 to 36 feet wide. The road is striped with passing and no-passing centerline and intermittent white edgeline. Fruitvale Road is posted with school zone signage, including a school loading zone. The road is classified as a Light Collector on the County General Plan Mobility Element Network. The road is posted with a 50 MPH radar enforced speed limit.

Average Daily Traffic Volumes

Fruitvale Road:

	<u>04/23</u>	<u>6/16</u>
200' W/o Mac Tan Road	1,351	1,490
230' E/o Cole Grade Road	2,821	

Speed Data

Fruitvale Road:

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
2,000' E/o Cole Grade Road	(2023)	52.3 MPH	45-54	78%
2,140' W/o Mac Tan Road	(2023)	49.6 MPH	40-49	76%
	(2016)	54.5 MPH	42-51	63%
Speed Zone	(2023)	51.0 MPH	43-52	77%

Collision Data

There have been 7 reported collisions, 2 of which involved an injury, along this segment of roadway in a 3-year period (2020-01-01 to 2022-12-31). These collisions result in a segment accident rate of 1.73 collisions per million vehicle miles. The statewide average

is 1.09 collisions per million vehicle miles for similar flat rural, conventional 2 lanes or less, roads with speeds less than 55 MPH.

VOLUME

Fruitvale Rd 200' W/O Mactan Rd

Day: Tuesday
Date: 4/11/2023City: Valley Center
Project #: CA23_040063_005

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						617	734						1,351
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			2	0	2		12:00			14	13	27							
00:15			0	1	1		12:15			9	14	23							
00:30			1	1	2		12:30			12	9	21							
00:45			1	4	1	3	12:45			15	50	16	52	31	102				
01:00			0	0	0		13:00			4	11	15							
01:15			0	0	0		13:15			7	13	20							
01:30			0	2	2		13:30			6	12	18							
01:45			0	0	0	2	13:45			10	27	13	49	23	76				
02:00			1	0	1		14:00			8	6	14							
02:15			0	1	1		14:15			9	14	23							
02:30			1	0	1		14:30			8	6	14							
02:45			0	2	0	1	14:45			12	37	13	39	25	76				
03:00			1	1	2		15:00			14	12	26							
03:15			1	1	2		15:15			14	8	22							
03:30			0	2	2		15:30			15	13	28							
03:45			0	2	1	5	15:45			18	61	12	45	30	106				
04:00			2	2	4		16:00			20	15	35							
04:15			0	4	4		16:15			13	9	22							
04:30			0	2	2		16:30			18	12	30							
04:45			1	3	3	11	16:45			12	63	12	48	24	111				
05:00			1	5	6		17:00			10	15	25							
05:15			1	8	9		17:15			12	8	20							
05:30			2	11	13		17:30			16	12	28							
05:45			2	6	9	33	17:45			17	55	8	43	25	98				
06:00			3	14	17		18:00			21	13	34							
06:15			6	16	22		18:15			9	5	14							
06:30			5	15	20		18:30			9	9	18							
06:45			11	25	18	63	18:45			16	55	4	31	20	86				
07:00			6	12	18		19:00			8	10	18							
07:15			4	14	18		19:15			6	6	12							
07:30			10	8	18		19:30			10	5	15							
07:45			10	30	9	43	19:45			5	29	11	32	16	61				
08:00			5	10	15		20:00			6	2	8							
08:15			9	18	27		20:15			3	4	7							
08:30			7	10	17		20:30			7	7	14							
08:45			6	27	18	56	20:45			8	24	2	15	10	39				
09:00			7	11	18		21:00			6	5	11							
09:15			7	15	22		21:15			8	4	12							
09:30			7	9	16		21:30			4	8	12							
09:45			5	26	17	52	21:45			6	24	3	20	9	44				
10:00			7	8	15		22:00			3	5	8							
10:15			4	6	10		22:15			2	3	5							
10:30			7	11	18		22:30			3	2	5							
10:45			6	24	4	29	22:45			1	9	2	12	3	21				
11:00			8	12	20		23:00			2	2	4							
11:15			8	6	14		23:15			1	2	3							
11:30			8	9	17		23:30			1	3	4							
11:45			4	28	15	42	23:45			2	6	1	8	3	14				
TOTALS			177	340	517		TOTALS			440	394	834							
SPLIT %			34.2%	65.8%	38.3%		SPLIT %			52.8%	47.2%	61.7%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						617	734						1,351
AM Peak Hour			11:45	06:00	11:45		PM Peak Hour			15:45	12:00	15:45							
AM Pk Volume			39	63	90		PM Pk Volume			69	52	117							
Pk Hr Factor			0.696	0.875	0.833		Pk Hr Factor			0.863	0.813	0.836							
7 - 9 Volume	0	0	57	99	156		4 - 6 Volume	0	0	118	91	209							
7 - 9 Peak Hour			07:30	08:00	08:00		4 - 6 Peak Hour			16:00	16:00	16:00							
7 - 9 Pk Volume	0	0	34	56	83		4 - 6 Pk Volume	0	0	63	48	111							
Pk Hr Factor	0.000	0.000	0.850	0.778	0.769		Pk Hr Factor	0.000	0.000	0.788	0.800	0.793							

VOLUME

Fruitvale Rd 230' E/O Cole Grade Rd

Day: Tuesday
Date: 4/11/2023City: Valley Center
Project #: CA23_040063_006

DAILY TOTALS					NB	SB						EB	WB	Total	
					0	0						1,349	1,472	2,821	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
0:00			1	1	2		12:00			22	21	43			
0:15			0	2	2		12:15			14	21	35			
0:30			3	1	4		12:30			21	19	40			
0:45			1	5	6	4	12:45			22	79	23	84	45	163
1:00			3	3	6		13:00			17	17	34			
1:15			1	0	1		13:15			22	24	46			
1:30			0	0	0		13:30			17	24	41			
1:45			0	4	4	1	13:45			18	74	29	94	47	168
2:00			1	0	1		14:00			27	12	39			
2:15			1	0	1		14:15			20	23	43			
2:30			1	1	2		14:30			18	16	34			
2:45			1	4	5	1	14:45			24	89	20	71	44	160
3:00			0	2	2		15:00			16	24	40			
3:15			1	4	5		15:15			29	19	48			
3:30			0	3	3		15:30			34	27	61			
3:45			0	1	2	11	15:45			36	115	22	92	58	207
4:00			0	7	7		16:00			35	39	74			
4:15			2	7	9		16:15			32	23	55			
4:30			0	7	7		16:30			34	17	51			
4:45			1	3	8	29	16:45			35	136	24	103	59	239
5:00			0	13	13		17:00			25	21	46			
5:15			1	15	16		17:15			37	14	51			
5:30			3	22	25		17:30			42	24	66			
5:45			7	11	23	73	17:45			42	146	19	78	61	224
6:00			5	31	36		18:00			35	21	56			
6:15			10	30	40		18:15			33	20	53			
6:30			8	33	41		18:30			28	22	50			
6:45			13	36	35	129	18:45			31	127	13	76	44	203
7:00			14	29	43		19:00			23	19	42			
7:15			12	34	46		19:15			20	15	35			
7:30			15	29	44		19:30			24	17	41			
7:45			17	58	41	133	19:45			12	79	19	70	31	149
8:00			10	29	39		20:00			21	14	35			
8:15			15	29	44		20:15			16	13	29			
8:30			15	23	38		20:30			9	14	23			
8:45			16	56	32	113	20:45			18	64	6	47	24	111
9:00			13	30	43		21:00			16	6	22			
9:15			19	17	36		21:15			14	6	20			
9:30			9	14	23		21:30			12	5	17			
9:45			11	52	32	93	21:45			12	54	3	20	15	74
10:00			13	23	36		22:00			8	0	8			
10:15			12	23	35		22:15			8	1	9			
10:30			16	12	28		22:30			6	3	9			
10:45			8	49	15	73	22:45			4	26	0	4	4	30
11:00			17	22	39		23:00			2	1	3			
11:15			17	17	34		23:15			2	1	3			
11:30			15	15	30		23:30			2	1	3			
11:45			23	72	13	67	23:45			3	9	0	3	3	12
TOTALS			351	730	1081		TOTALS			998	742	1740			
SPLIT %			32.5%	67.5%	38.3%		SPLIT %			57.4%	42.6%	61.7%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					0	0						1,349	1,472	2,821	
AM Peak Hour			11:45	7:00	7:00		PM Peak Hour			17:15	15:30	15:30			
AM Pk Volume			80	133	191		PM Pk Volume			156	111	248			
Pk Hr Factor			0.870	0.811	0.823		Pk Hr Factor			0.929	0.712	0.838			
7 - 9 Volume	0	0	114	246	360		4 - 6 Volume	0	0	282	181	463			
7 - 9 Peak Hour			7:00	7:00	7:00		4 - 6 Peak Hour			17:00	16:00	16:00			
7 - 9 Pk Volume	0	0	58	133	191		4 - 6 Pk Volume	0	0	146	103	239			
Pk Hr Factor	0.000	0.000	0.853	0.811	0.823		Pk Hr Factor	0.000	0.000	0.869	0.660	0.807			



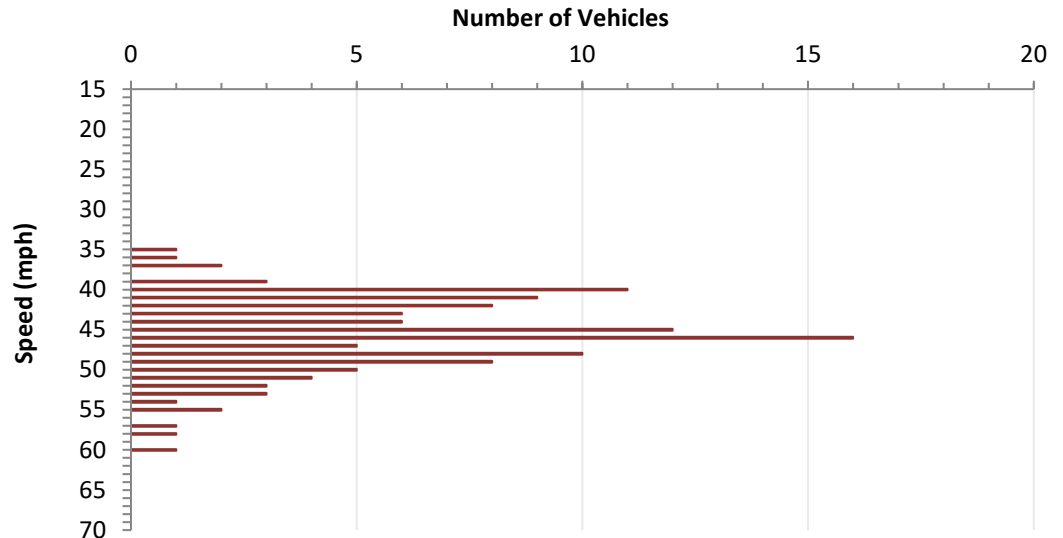
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

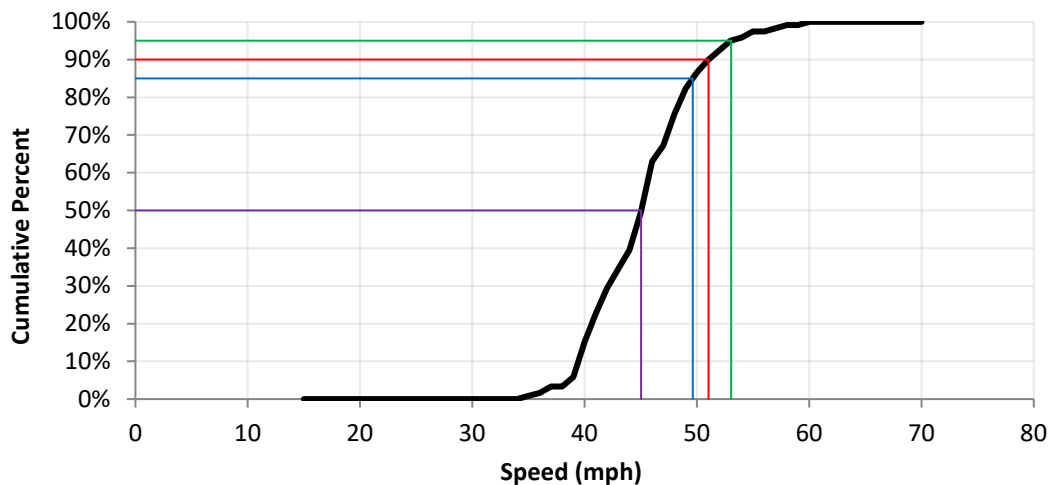
Road Name:	Fruitvale Rd	From:	Mac Tan Rd	To:	Cole Grade Rd
Position:	2,140' W/o Mac Tan Rd	Direction:	EB/WB		

Date:	4/11/2023	Weather:	Clear	Project Number:	23-040064-003
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	50 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		



35	1	0.8%
36	1	1.7%
37	2	3.4%
38		
39	3	5.9%
40	11	15.1%
41	9	22.7%
42	8	29.4%
43	6	34.5%
44	6	39.5%
45	12	49.6%
46	16	63.0%
47	5	67.2%
48	10	75.6%
49	8	82.4%
50	5	86.6%
51	4	89.9%
52	3	92.4%
53	3	95.0%
54	1	95.8%
55	2	97.5%
56		
57	1	98.3%
58	1	99.2%
59		
60	1	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		



— Data Plot — 50th Percentile — 85th Percentile
— 90th Percentile — 95th Percentile

DATA ANALYSIS

Average Speed	45.5	Range	35 - 60
50th Percentile	45.0	10 mph Pace	40 - 49
85th Percentile	49.6	Number in Pace	91
90th Percentile	51.0	Percent in Pace	76%
95th Percentile	53.1		
Total	119		



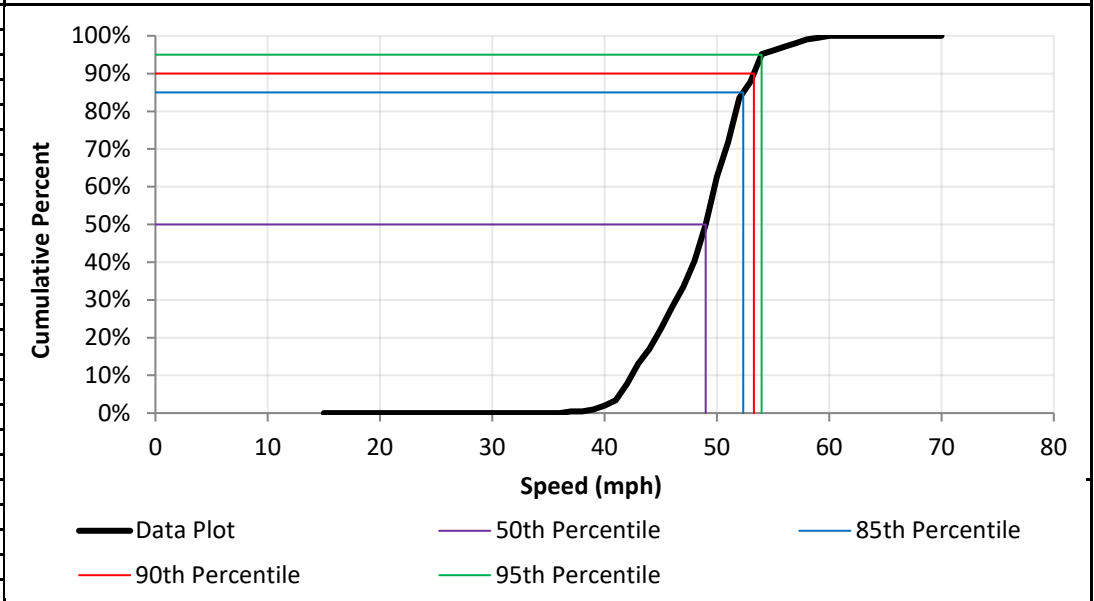
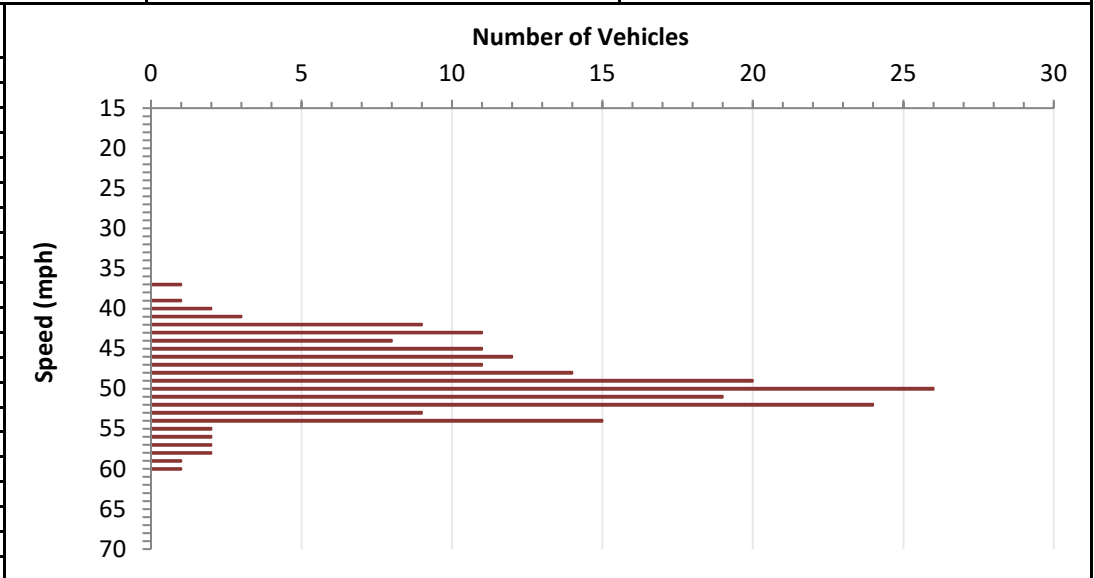
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Fruitvale Rd	From: Mac Tan Rd	To: Cole Grade Rd
Position:	2,000' E/o Cole Grade Rd	Direction:	EB/WB

Date:	4/11/2023	Weather:	Clear	Project Number:	23-040064-004
Time Start:	1:15 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:15 PM	Posted Speed:	50 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37	1	0.5%
38		
39	1	1.0%
40	2	1.9%
41	3	3.4%
42	9	7.8%
43	11	13.1%
44	8	17.0%
45	11	22.3%
46	12	28.2%
47	11	33.5%
48	14	40.3%
49	20	50.0%
50	26	62.6%
51	19	71.8%
52	24	83.5%
53	9	87.9%
54	15	95.1%
55	2	96.1%
56	2	97.1%
57	2	98.1%
58	2	99.0%
59	1	99.5%
60	1	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	206	

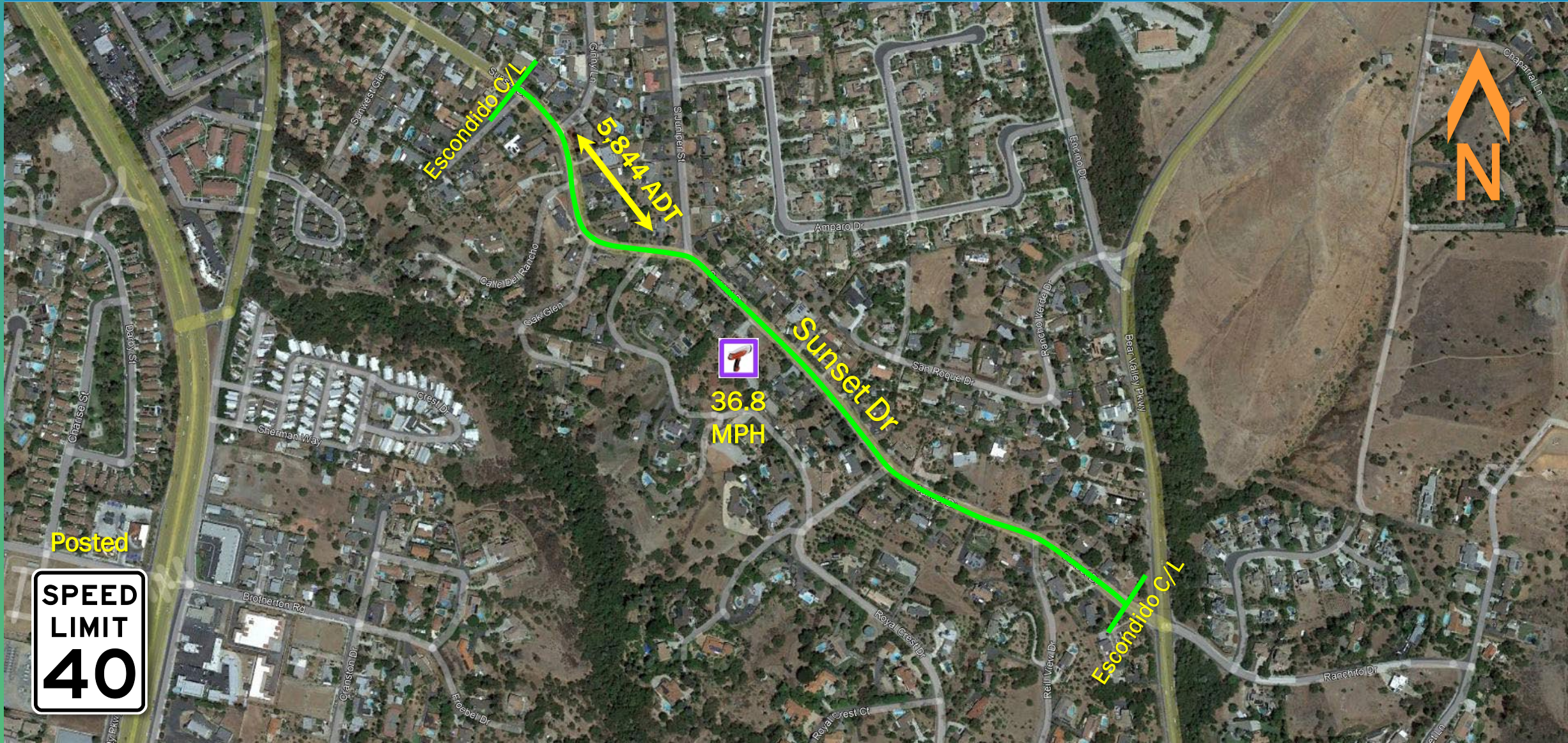


DATA ANALYSIS

Average Speed	48.9	Range	37 - 60
50th Percentile	49.0	10 mph Pace	45 - 54
85th Percentile	52.3	Number in Pace	161
90th Percentile	53.3	Percent in Pace	78%
95th Percentile	54.0		

Sunset Drive

Escondido city limit (west of Bear Valley Parkway) to Escondido city limit (west of Ginny Lane)
0.64 miles



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 9, 2023

Item 5-B

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Sunset Drive from Escondido city limit (west of Bear Valley Parkway) to Escondido city limit (west of Ginny Lane) (a distance of 0.64 miles) SAN PASQUAL (Thos. Bros. 1107-E9)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Sunset Drive from Escondido city limit (west of Bear Valley Parkway) to Escondido city limit (west of Ginny Lane) is currently posted with a 40 MPH, radar enforced, speed limit. A preliminary review of prevailing speeds and roadway conditions could support radar certification of a 35 MPH speed limit.

Existing Traffic Devices

Sunset Drive is a striped 2-lane undivided highway that is 30 to 36 feet wide. The road is striped with passing and no-passing centerline and white edgeline. Sunset Drive is posted with intersection advisories, a pedestrian advisory, and a speed advised turn. The through highway is classified as a Light Collector on the County General Plan Mobility Element Network. The road is posted with a 40 MPH radar enforced speed limit.

Average Daily Traffic Volumes

04/23

Sunset Drive:

250' W/o Bear Valley Parkway 6,504

120' W/o Ginny Lane 5,184

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Sunset Drive:

400' E/o Juniper Street (2023) 36.8 MPH 29-38 82%

Collision Data

There have been 5 reported collisions, 3 of which involved an injury, along this segment of roadway in a 3-year period (2020-01-01 to 2022-12-31). These collisions result in a segment accident rate of 1.22 collisions per million vehicle miles. The statewide average is 1.68 collisions per million vehicle miles for similar suburban, conventional 2 lanes or less, roads with speeds less than 45 MPH.

VOLUME

Sunset Dr 120' W/O Ginny Ln

Day: Tuesday
Date: 4/11/2023City: Escondido
Project #: CA23_040063_004

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,760	2,424						5,184
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
0:00			0	3	3		12:00			32	44	76							76
0:15			2	3	5		12:15			38	22	60							60
0:30			0	1	1		12:30			36	31	67							67
0:45			2	4	7	2 11	12:45			30	136	27 124	57 260						
1:00			1	0	1		13:00			47	29	76							76
1:15			0	0	0		13:15			31	34	65							65
1:30			0	0	0		13:30			40	35	75							75
1:45			2	3	1 1	3 4	13:45			38	156	44 142	82 298						
2:00			1	0	1		14:00			74	29	103							103
2:15			0	1	1		14:15			66	31	97							97
2:30			0	0	0		14:30			84	52	136							136
2:45			2	3	0 1	2 4	14:45			84	308	89 201	173 509						
3:00			0	1	1		15:00			66	100	166							166
3:15			0	1	1		15:15			74	69	143							143
3:30			0	0	0		15:30			65	86	151							151
3:45			2	2	2 4	4 6	15:45			70	275	71 326	141 601						
4:00			0	0	0		16:00			63	47	110							110
4:15			0	0	0		16:15			52	40	92							92
4:30			0	2	2		16:30			56	43	99							99
4:45			3	3	4 6	7 9	16:45			41	212	39 169	80 381						
5:00			3	5	8		17:00			64	35	99							99
5:15			3	3	6		17:15			50	45	95							95
5:30			6	5	11		17:30			63	41	104							104
5:45			6	18	5 18	11 36	17:45			60	237	30 151	90 388						
6:00			8	13	21		18:00			49	31	80							80
6:15			4	10	14		18:15			32	40	72							72
6:30			19	12	31		18:30			33	31	64							64
6:45			19	50	21 56	40 106	18:45			36	150	26 128	62 278						
7:00			31	16	47		19:00			29	34	63							63
7:15			52	19	71		19:15			23	34	57							57
7:30			106	51	157		19:30			31	26	57							57
7:45			162	351	78 164	240 515	19:45			26	109	23 117	49 226						
8:00			107	130	237		20:00			23	13	36							36
8:15			49	105	154		20:15			20	17	37							37
8:30			36	60	96		20:30			17	6	23							23
8:45			35	227	40 335	75 562	20:45			14	74	15 51	29 125						
9:00			22	30	52		21:00			15	14	29							29
9:15			26	24	50		21:15			12	14	26							26
9:30			28	25	53		21:30			11	9	20							20
9:45			25	101	31 110	56 211	21:45			8	46	8 45	16 91						
10:00			19	27	46		22:00			8	11	19							19
10:15			38	32	70		22:15			10	4	14							14
10:30			21	27	48		22:30			3	5	8							8
10:45			31	109	36 122	67 231	22:45			6	27	5 25	11 52						
11:00			34	30	64		23:00			2	0	2							2
11:15			31	30	61		23:15			1	3	4							4
11:30			37	31	68		23:30			2	1	3							3
11:45			49	151	25 116	74 267	23:45			3	8	1 5	4 13						
TOTALS			1022	940	1962		TOTALS			1738	1484	3222							
SPLIT %			52.1%	47.9%	37.8%		SPLIT %			53.9%	46.1%	62.2%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,760	2,424						5,184
AM Peak Hour			7:15	7:45	7:30		PM Peak Hour			14:00	14:45	14:45							
AM Pk Volume			427	373	788		PM Pk Volume			308	344	633							
Pk Hr Factor			0.659	0.717	0.821		Pk Hr Factor			0.917	0.860	0.915							
7 - 9 Volume	0	0	578	499	1077		4 - 6 Volume	0	0	449	320	769							
7 - 9 Peak Hour			7:15	7:45	7:30		4 - 6 Peak Hour			17:00	16:00	17:00							
7 - 9 Pk Volume	0	0	427	373	788		4 - 6 Pk Volume	0	0	237	169	388							
Pk Hr Factor	0.000	0.000	0.659	0.717	0.821		Pk Hr Factor	0.000	0.000	0.926	0.899	0.933							

VOLUME

Sunset Dr 250' W/O Bear Valley Pkwy

Day: Tuesday
Date: 4/11/2023City: Escondido
Project #: CA23_040063_003

DAILY TOTALS					NB	SB	EB					WB	Total				
					0	0	3,436					3,068	6,504				
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL					
0:00			1	1	2		12:00			32	35	67					
0:15			2	4	6		12:15			48	24	72					
0:30			0	4	4		12:30			38	36	74					
0:45			2	5	7	14	12:45			36	154	190	27	122	63	276	
1:00			0	1	1		13:00			43	29	72					
1:15			0	0	0		13:15			28	47	75					
1:30			0	0	0		13:30			43	37	80					
1:45			1	1	2		13:45			54	168	222	52	165	106	333	
2:00			3	0	3		14:00			81	32	113					
2:15			0	1	1		14:15			74	36	110					
2:30			0	0	0		14:30			105	75	180					
2:45			1	4	5		14:45			133	393	526	100	243	233	636	
3:00			0	1	1		15:00			96	140	236					
3:15			0	1	1		15:15			96	85	181					
3:30			0	0	0		15:30			88	108	196					
3:45			3	3	6	5	15:45			71	351	422	116	449	187	800	
4:00			0	0	0		16:00			82	65	147					
4:15			0	0	0		16:15			61	47	108					
4:30			1	4	5		16:30			69	62	131					
4:45			7	8	15	16	16:45			63	275	338	48	222	111	497	
5:00			5	3	8		17:00			81	53	134					
5:15			3	3	6		17:15			63	55	118					
5:30			11	5	16		17:30			63	58	121					
5:45			9	28	37	43	17:45			73	280	353	47	213	120	493	
6:00			13	5	18		18:00			44	53	97					
6:15			7	8	15		18:15			47	53	100					
6:30			27	10	37		18:30			44	42	86					
6:45			27	74	101	113	18:45			45	180	225	36	184	81	364	
7:00			49	21	70		19:00			35	44	79					
7:15			85	21	106		19:15			30	50	80					
7:30			165	64	229		19:30			38	43	81					
7:45			193	492	685	700	19:45			26	129	155	36	173	62	302	
8:00			130	131	261		20:00			23	16	39					
8:15			68	155	223		20:15			24	25	49					
8:30			47	68	115		20:30			18	20	38					
8:45			51	296	347	409	20:45			22	87	109	27	88	49	175	
9:00			27	40	67		21:00			20	19	39					
9:15			32	25	57		21:15			11	21	32					
9:30			32	25	57		21:30			9	10	19					
9:45			33	124	157	135	21:45			7	47	54	9	59	16	106	
10:00			30	33	63		22:00			12	13	25					
10:15			40	41	81		22:15			8	5	13					
10:30			36	31	67		22:30			3	8	11					
10:45			34	140	174	136	22:45			5	28	33	5	31	10	59	
11:00			38	35	73		23:00			2	0	2					
11:15			39	30	69		23:15			1	3	4					
11:30			36	39	75		23:30			0	5	5					
11:45			50	163	213	148	23:45			3	6	9	0	8	3	14	
TOTALS			1338	1111	2449		TOTALS			2098	1957	4055					
SPLIT %			54.6%	45.4%	37.7%		SPLIT %			51.7%	48.3%	62.3%					

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,436	3,068						6,504
AM Peak Hour			7:15	7:45	7:30		PM Peak Hour			14:30	15:00	14:45							
AM Pk Volume			573	456	1008		PM Pk Volume			430	449	846							
Pk Hr Factor			0.742	0.735	0.854		Pk Hr Factor			0.808	0.802	0.896							
7 - 9 Volume	0	0	788	617	1405		4 - 6 Volume	0	0	555	435	990							
7 - 9 Peak Hour			7:15	7:45	7:30		4 - 6 Peak Hour			17:00	16:00	16:00							
7 - 9 Pk Volume	0	0	573	456	1008		4 - 6 Pk Volume	0	0	280	222	497							
Pk Hr Factor	0.000	0.000	0.742	0.735	0.854		Pk Hr Factor	0.000	0.000	0.864	0.854	0.845							



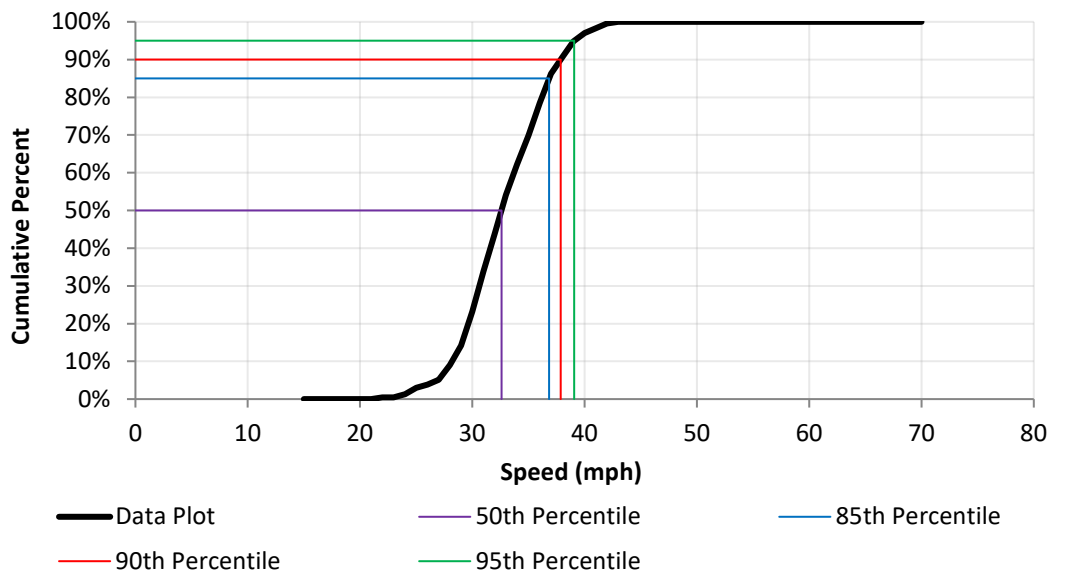
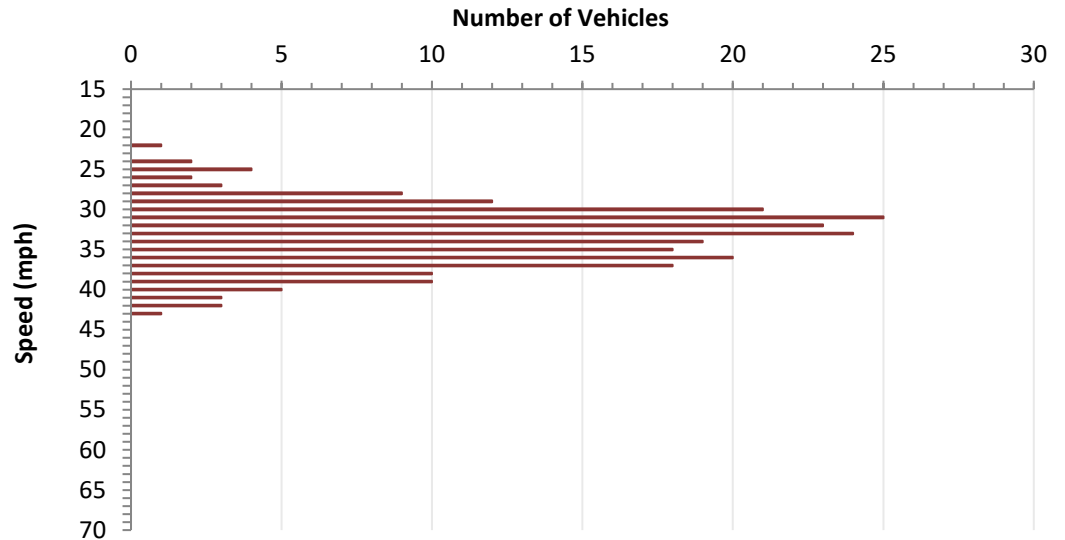
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Sunset Dr	From:	Escondido CL (W/o Bear Valley Py)	To:	Escondido CL (W/o Ginny Ln)
Position:	400' E/o Juniper St	Direction:	EB/WB		

Date:	4/13/2023	Weather:	Clear	Project Number:	23-040064-002
Time Start:	12:16 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	2:16 PM	Posted Speed:	40 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22	1	0.4%
23		
24	2	1.3%
25	4	3.0%
26	2	3.9%
27	3	5.2%
28	9	9.0%
29	12	14.2%
30	21	23.2%
31	25	33.9%
32	23	43.8%
33	24	54.1%
34	19	62.2%
35	18	70.0%
36	20	78.5%
37	18	86.3%
38	10	90.6%
39	10	94.8%
40	5	97.0%
41	3	98.3%
42	3	99.6%
43	1	100.0%
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	233	



DATA ANALYSIS

Average Speed	33.3	Range	22 - 43
50th Percentile	32.6	10 mph Pace	29 - 38
85th Percentile	36.8	Number in Pace	190
90th Percentile	37.9	Percent in Pace	82%
95th Percentile	39.1		