

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

August 30, 2021

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the September 10, 2021 meeting of the Traffic Advisory Committee (TAC).

Social distancing is currently mandatory due to the COVID-19 pandemic. This TAC meeting on July 23, 2021, will be conducted with a virtual meeting platform option. Please use this link below to join the meeting:

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 619-343-2539,,77685038#](#) United States, San Diego

Phone Conference ID: 776 850 38#

[Find a local number](#) | [Learn More](#)

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:sh

Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

September 10, 2021 ~ 9:00 AM

5510 Overland Ave, Room 271

San Diego CA, 92123

AGENDA

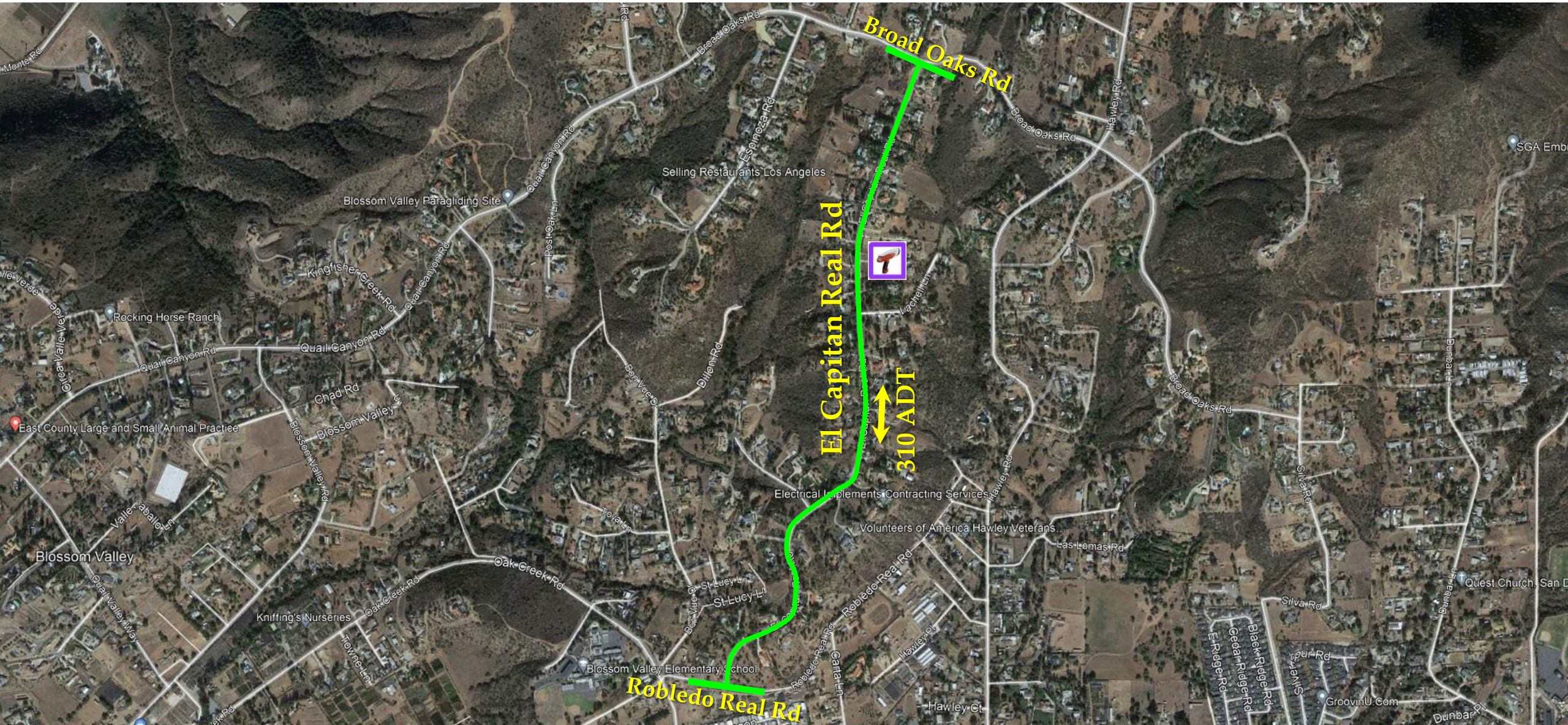
- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes**
- IV. Items for Review**

SUBJECT	LOCATION	AREA/ PLANNING/SPONSOR GROUP
<u>SUPERVISORIAL DISTRICT 2</u>		
2-A. RADAR CERTIFICATION	EL CAPITAN REAL ROAD ROBLEDO REAL RD TO BROAD OAKS RD	BLOSSOM VALLEY/ LAKESIDE CPG
2-B. RADAR CERTIFICATION	ARCHIE MOORE ROAD STATE ROUTE 67 TO HIGHLAND VALLEY RD	RAMONA/ RAMONA CPG
2-C. RADAR CERTIFICATION	AUSTIN DRIVE S BARCELONA ST TO SWEETWATER SPRINGS BL	SPRING VALLEY/ SPRING VALLEY CPG
2-D. RADAR CERTIFICATION	AUSTIN DRIVE/MONTEMAR DRIVE HELIX ST TO S BARCELONA ST	SPRING VALLEY/ SPRING VALLEY CPG
2-E. INTERSECTION CONTROL	AUSTIN DRIVE & MONTEMAR DRIVE	SPRING VALLEY/ SPRING VALLEY CPG
<u>SUPERVISORIAL DISTRICT 5</u>		
5-A. RADAR CERTIFICATION	GOPHER CANYON ROAD OLD HIGHWAY 395 TO SPA HAVENS WY	BONSALL/ BONSALL CSG
5-B. RADAR CERTIFICATION	GOPHER CANYON ROAD SPA HAVENS WY TO E VISTA WY	BONSALL/ BONSALL CSG
5-C. RADAR CERTIFICATION	LIVE OAK PARK ROAD MISSION RD TO GUM TREE LN	FALLBROOK/ FALLBROOK CPG
5-D. RADAR CERTIFICATION	LIVE OAK PARK ROAD GUM TREE LN TO RECHE RD	FALLBROOK/ FALLBROOK CPG

2-A. Radar Certification

El Capitan Real Road

Robledo Real Road to Broad Oaks Road (1.14 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: El Capitan Real Road from Robledo Real Road to Broad Oaks Road (a distance of 1.14 miles)
BLOSSOM VALLEY (Thos. Bros. 1233-B1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

El Capitan Real Road from Robledo Real Road to Broad Oaks Road posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification of the existing 45 MPH speed limit.

Existing Traffic Devices

El Capitan Real Road is a striped two-lane local roadway with a 24 foot travelled way on a 28 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There is a speed advisory curve and flashing beacon as the roadway changes names to Old Julian Highway. El Capitan Real Road is unclassified on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volumes

El Capitan Real Road:

100' N/o Vachell Lane

05/21

310

07/13

300

Speed Data

El Capitan Real Road:

100' N/o Vachell Lane

(2021)

(2013)

**85th
Percentile**

45.1 MPH

49.1 MPH

**10 MPH
Pace**

31-40

37-46

**% in
Pace**

63.0%

42.0%

Collision Data

There have been 0 reported collisions along this segment of roadway in a 3 year period (03-01-18 to 02-28-21).

DAILY TOTALS			NB	SB	EB			WB	Total		
			155	155				0			
AM Peak Hour	08:45	08:15		08:15	PM Peak Hour	14:45	14:30		14:45		
AM Pk Volume	19	16		32	PM Pk Volume	28	23		49		
Pk Hr Factor	0.594	0.667		0.727	Pk Hr Factor	0.700	0.639		0.766		
7 - 9 Volume	16	26	0	0	42	4 - 6 Volume	18	30	0	0	48
7 - 9 Peak Hour	08:00	08:00		08:00	4 - 6 Peak Hour	16:00	17:00		16:30		
7 - 9 Pk Volume	12	15	0	0	27	4 - 6 Pk Volume	11	17	0	0	27
Pk Hr Factor	0.600	0.625	0.000	0.000	0.614	Pk Hr Factor	0.458	0.850	0.000	0.000	0.844



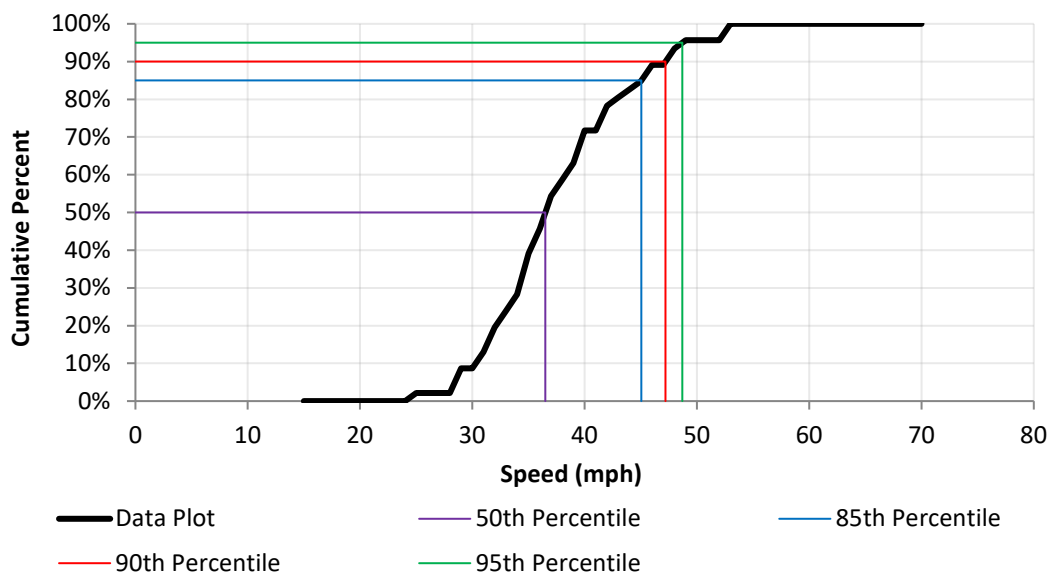
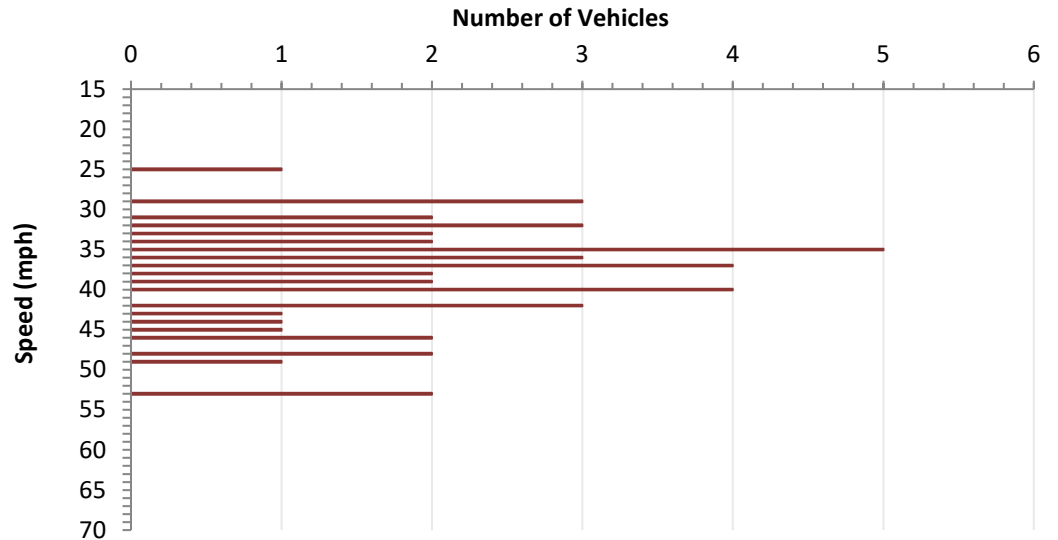
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	El Capitan Real Rd	From:	Robledo Real Rd	To:	Broad Oaks Rd
Position:	100' N/o Vachell Ln	Direction:	NB/SB		

Date:	5/19/2021	Weather:	Clear	Project Number:	21-040085-010
Time Start:	1:30 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:30 PM	Posted Speed:	45 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	1	2.2%
26		
27		
28		
29	3	8.7%
30		
31	2	13.0%
32	3	19.6%
33	2	23.9%
34	2	28.3%
35	5	39.1%
36	3	45.7%
37	4	54.3%
38	2	58.7%
39	2	63.0%
40	4	71.7%
41		
42	3	78.3%
43	1	80.4%
44	1	82.6%
45	1	84.8%
46	2	89.1%
47		
48	2	93.5%
49	1	95.7%
50		
51		
52		
53	2	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	46	



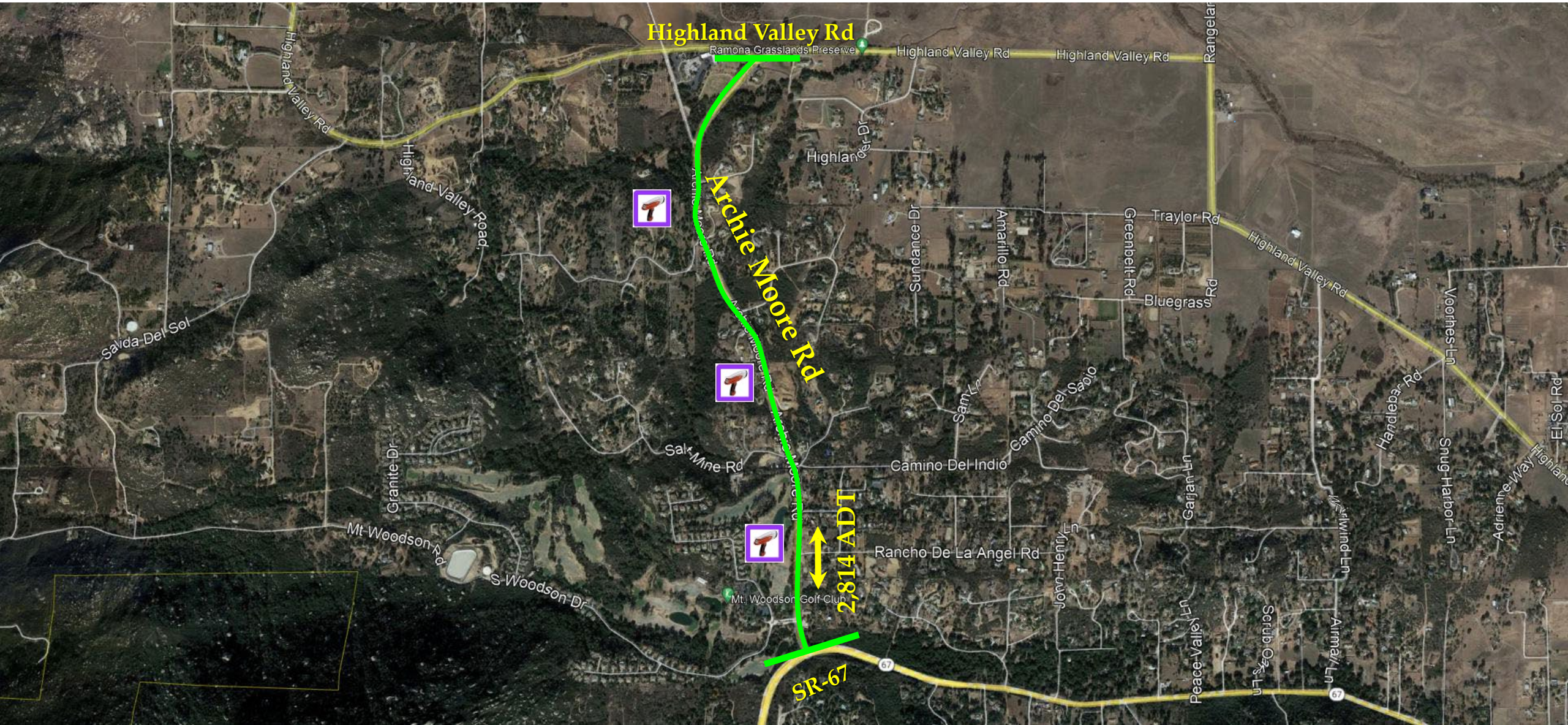
DATA ANALYSIS

Average Speed	38.0	Range	25 - 53
50th Percentile	36.5	10 mph Pace	31 - 40
85th Percentile	45.1	Number in Pace	29
90th Percentile	47.2	Percent in Pace	63%
95th Percentile	48.7		

2-B. Radar Certification

Archie Moore Road

State Route 67 to Highland Valley Road (1.51 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 2-B

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Archie Moore Road from State Route 67 to Highland Valley Road (a distance of 1.51 miles) RAMONA (Thos. Bros. 1171-F3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Archie Moore Road from State Route 67 and Highland Valley Road is currently an unposted 55 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support radar certification of a 50 MPH speed.

Existing Traffic Devices

Archie Moore Road is a striped two-lane roadway with a 24 foot travelled way on a 32 to 40 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There are intersection and school bus stop warning signs along the roadway. There is a school zone with associated signage near the northern endpoint of this segment at Highland Valley Road. Archie Moore Road is classified as a Community Collector on the County General Plan Mobility Element Network. It currently has no posted speed limit.

Average Daily Traffic Volumes **12/18**

Archie Moore Road:	
1,000' N/o SR-67	2,814

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
<u>Speed Data</u>				
Archie Moore Road:				
100' N/o Rancho de la Angel Rd	(2021)	50.6 MPH	43-52	62.0%
At Mount Woodson Heights	(2021)	53.0 MPH	41-50	58.0%
300' S/o Quail Crossing	(2021)	59.8 MPH	49-58	53.0%
Speed Zone	(2021)	54.5 MPH	44-53	57.7%

Collision Data

There have been 2 reported collisions along this segment of roadway, none of which

involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 0.60 collisions per million vehicle miles. The statewide average is 1.40 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than 55 MPH.



County of San Diego

JEFF C. MONEDA
DIRECTOR

DEPARTMENT OF PUBLIC WORKS
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www.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: August 20, 2021

Item Title: Speed Limit and Radar Certification

Location: Archie Moore Road from SR 67 to Highland Valley Road

CTE Recommendation: **Establish 50 MPH Radar Enforced Speed Limit** *340*

Conditions:

- Section 22358 of the California Vehicle Code authorizes a local agency to determine upon the basis of an Engineering and Traffic Survey (E&TS) that the speed limit of 65 miles per hour (mph) is more than is reasonable or safe, the agency may declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, or 25 mph, whichever is found most appropriate and is reasonable and safe.
- Section 2B.13 "Speed Limit Sign (R2-1)" of the California MUTCD, provides that an E&TS shall include a) prevailing speeds, b) collision records, and c) highway, traffic and roadside conditions that are not apparent to a driver.
- The California Manual on Uniform Traffic Control Devices stipulates that speed limits are usually set at the 5 mph increment above or below the prevailing (85th percentile) speed of motorists.
- Archie Moore Road is a two-lane roadway with no bike lanes, unimproved shoulder areas and provides direct access to 6 driveways and intersects 10 streets. Mount Woodson Elementary school is located at the north end of Archie Moore Road at Highland Valley Road.

- Archie Moore Road is designated as a Community Collector with a design speed of 45 mph and an existing ADT of 2,814 vehicles per day.
- Recent speed surveys on Archie Moore Road taken in July and August 2021 at 3 locations within the subject segment resulted in an overall prevailing speed of 54.5 mph, which supports a speed limit of 50 mph using radar for speed enforcement.
- Pursuant to CVC section 22358 and the guidance of the CA MUTCD section 2B.13, a 50 mph radar enforced speed limit on Archie Moore Road between SR 67 and Highland Valley Road is reasonable and safe.

VOLUME

Archie Moore Rd 1,000' N/O Hwy 67

Day: Thursday
Date: 12/13/2018

City: Ramona
Project #: CA18_4453_006

DAILY TOTALS					NB	SB						EB	WB	Total
					1,378	1,436						0	0	2,814
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	2	1	0	0	3	12:00	25	18	0	0	43			
00:15	0	1	0	0	1	12:15	21	20	0	0	41			
00:30	1	0	0	0	1	12:30	13	14	0	0	27			
00:45	2	5	0	2	0	12:45	16	75	14	66	30	141		
01:00	1	0	0	0	1	13:00	16	10	0	0	26			
01:15	1	0	0	0	1	13:15	22	20	0	0	42			
01:30	1	1	0	0	2	13:30	17	18	0	0	35			
01:45	0	3	0	1	0	13:45	19	74	14	62	33	136		
02:00	0	1	0	0	1	14:00	20	9	0	0	29			
02:15	1	0	0	0	1	14:15	17	17	0	0	34			
02:30	0	1	0	0	1	14:30	36	15	0	0	51			
02:45	1	2	1	3	0	14:45	47	120	21	62	68	182		
03:00	0	0	0	0	0	15:00	35	17	0	0	52			
03:15	1	0	0	0	1	15:15	34	43	0	0	77			
03:30	1	2	0	0	3	15:30	19	18	0	0	37			
03:45	1	3	0	2	0	15:45	31	119	25	103	56	222		
04:00	0	2	0	0	2	16:00	38	14	0	0	52			
04:15	0	1	0	0	1	16:15	29	13	0	0	42			
04:30	0	6	0	0	6	16:30	40	11	0	0	51			
04:45	3	3	4	13	0	16:45	51	158	20	58	71	216		
05:00	3	6	0	0	9	17:00	32	12	0	0	44			
05:15	2	9	0	0	11	17:15	42	16	0	0	58			
05:30	3	14	0	0	17	17:30	38	8	0	0	46			
05:45	3	11	4	33	0	17:45	36	148	13	49	49	197		
06:00	3	17	0	0	20	18:00	17	8	0	0	25			
06:15	4	29	0	0	33	18:15	29	10	0	0	39			
06:30	4	73	0	0	77	18:30	29	8	0	0	37			
06:45	7	18	74	193	0	18:45	16	91	9	35	25	126		
07:00	8	67	0	0	75	19:00	23	3	0	0	26			
07:15	13	100	0	0	113	19:15	21	6	0	0	27			
07:30	11	89	0	0	100	19:30	14	7	0	0	21			
07:45	13	45	51	307	0	19:45	14	72	6	22	20	94		
08:00	19	32	0	0	51	20:00	8	4	0	0	12			
08:15	38	47	0	0	85	20:15	16	2	0	0	18			
08:30	24	37	0	0	61	20:30	10	7	0	0	17			
08:45	20	101	33	149	0	20:45	7	41	2	15	9	56		
09:00	16	22	0	0	38	21:00	11	2	0	0	13			
09:15	12	20	0	0	32	21:15	11	4	0	0	15			
09:30	11	26	0	0	37	21:30	11	3	0	0	14			
09:45	24	63	14	82	0	21:45	8	41	3	12	11	53		
10:00	15	27	0	0	42	22:00	9	2	0	0	11			
10:15	17	22	0	0	39	22:15	6	0	0	0	6			
10:30	17	15	0	0	32	22:30	2	1	0	0	3			
10:45	21	70	19	83	0	22:45	5	22	2	5	7	27		
11:00	17	18	0	0	35	23:00	3	2	0	0	5			
11:15	27	19	0	0	46	23:15	3	1	0	0	4			
11:30	15	19	0	0	34	23:30	2	1	0	0	3			
11:45	25	84	19	75	0	23:45	1	9	0	4	1	13		
TOTALS	408	943			1351	TOTALS	970	493			1463			
SPLIT %	30.2%	69.8%			48.0%	SPLIT %	66.3%	33.7%			52.0%			

DAILY TOTALS					NB	SB						EB	WB	Total
					1,378	1,436						0	0	2,814
AM Peak Hour	08:00	06:45			06:45	PM Peak Hour	16:30	15:00			14:30			
AM Pk Volume	101	330			369	PM Pk Volume	165	103			248			
Pk Hr Factor	0.664	0.825			0.816	Pk Hr Factor	0.809	0.599			0.805			
7 - 9 Volume	146	456	0	0	602	4 - 6 Volume	306	107	0	0	413			
7 - 9 Peak Hour	08:00	07:00			07:00	4 - 6 Peak Hour	16:30	16:30			16:30			
7 - 9 Pk Volume	101	307	0	0	352	4 - 6 Pk Volume	165	59	0	0	224			
Pk Hr Factor	0.664	0.768	0.000	0.000	0.779	Pk Hr Factor	0.809	0.738	0.000	0.000	0.789			



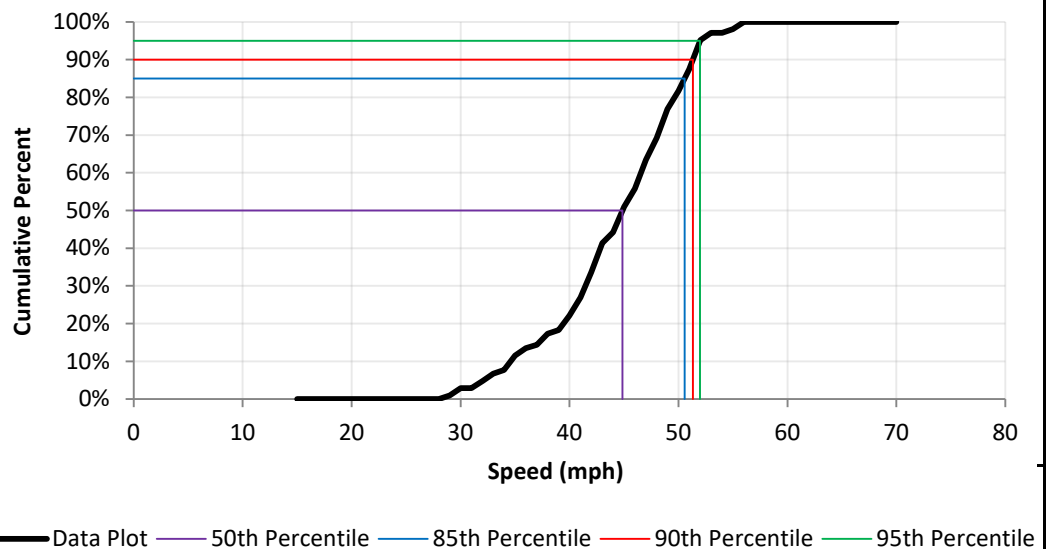
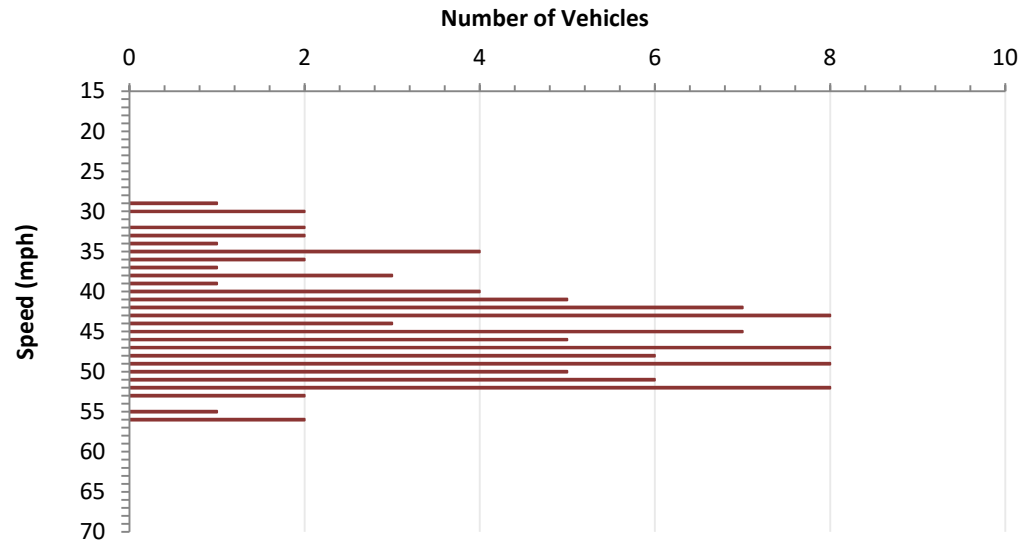
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Archie Moore Road	From:	Hwy 67	To:	Highlands Valley Road
Position:	100' N/O Rancho De La Angel Road	Direction:	NB/SB		

Date:	7/1/2021	Weather:	Clear	Project Number:	0
Time Start:	10.45 AM	Road Condition:	Dry/Good	Observer:	Chris Chan
Time End:	11:55 AM	Posted Speed:	Unposted	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29	1	1.0%
30	2	2.9%
31		
32	2	4.8%
33	2	6.7%
34	1	7.7%
35	4	11.5%
36	2	13.5%
37	1	14.4%
38	3	17.3%
39	1	18.3%
40	4	22.1%
41	5	26.9%
42	7	33.7%
43	8	41.3%
44	3	44.2%
45	7	51.0%
46	5	55.8%
47	8	63.5%
48	6	69.2%
49	8	76.9%
50	5	81.7%
51	6	87.5%
52	8	95.2%
53	2	97.1%
54		
55	1	98.1%
56	2	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	104	



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

DATA ANALYSIS

Average Speed	44.6	Range	29 - 56
50th Percentile	44.9	10 mph Pace	43 - 52
85th Percentile	50.6	Number in Pace	64
90th Percentile	51.3	Percent in Pace	62%
95th Percentile	52.0		



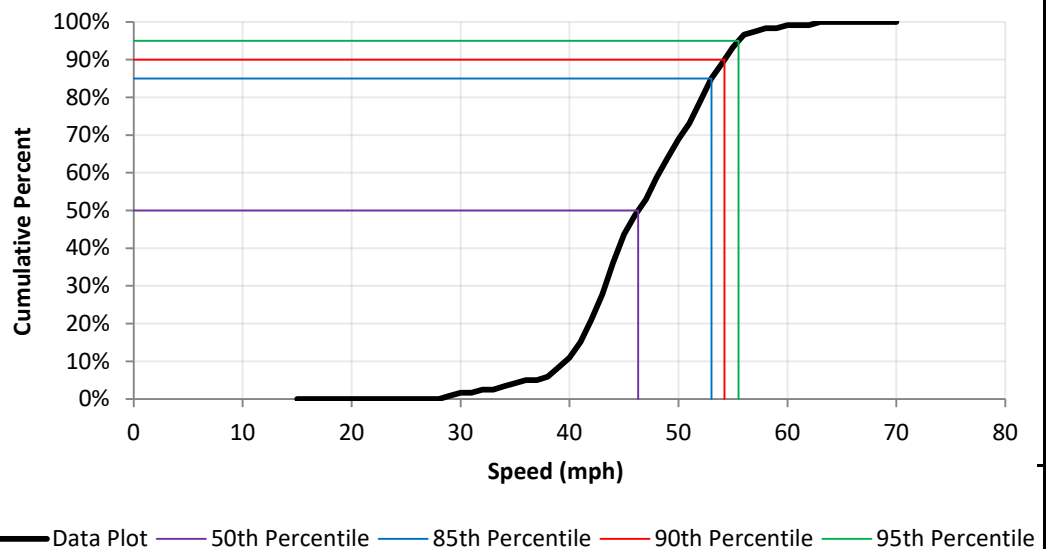
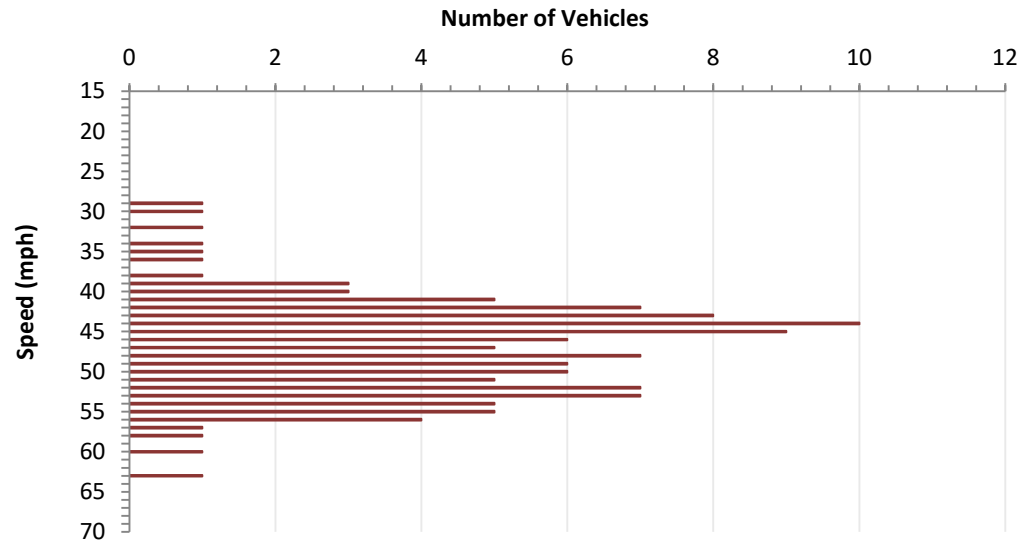
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Archie Moore Rd	From:	Highland Valley Rd	To:	SR-67
Position:	@ Mount Woodson Heights (PVT)	Direction:	NB/SB		

Date:	8/18/2021	Weather:	Clear	Project Number:	N/A
Time Start:	10:25 AM	Road Condition:	Dry	Observer:	County
Time End:	11:45 AM	Posted Speed:	Unposted	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29	1	0.8%
30	1	1.7%
31		
32	1	2.5%
33		
34	1	3.4%
35	1	4.2%
36	1	5.0%
37		
38	1	5.9%
39	3	8.4%
40	3	10.9%
41	5	15.1%
42	7	21.0%
43	8	27.7%
44	10	36.1%
45	9	43.7%
46	6	48.7%
47	5	52.9%
48	7	58.8%
49	6	63.9%
50	6	68.9%
51	5	73.1%
52	7	79.0%
53	7	84.9%
54	5	89.1%
55	5	93.3%
56	4	96.6%
57	1	97.5%
58	1	98.3%
59		
60	1	99.2%
61		
62		
63	1	100.0%
64		
65		
66		
67		
68		
69		
70		
Total	119	



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

DATA ANALYSIS

Average Speed	47.0	Range	29 - 63
50th Percentile	46.3	10 mph Pace	41 - 50
85th Percentile	53.0	Number in Pace	69
90th Percentile	54.2	Percent in Pace	58%
95th Percentile	55.5		



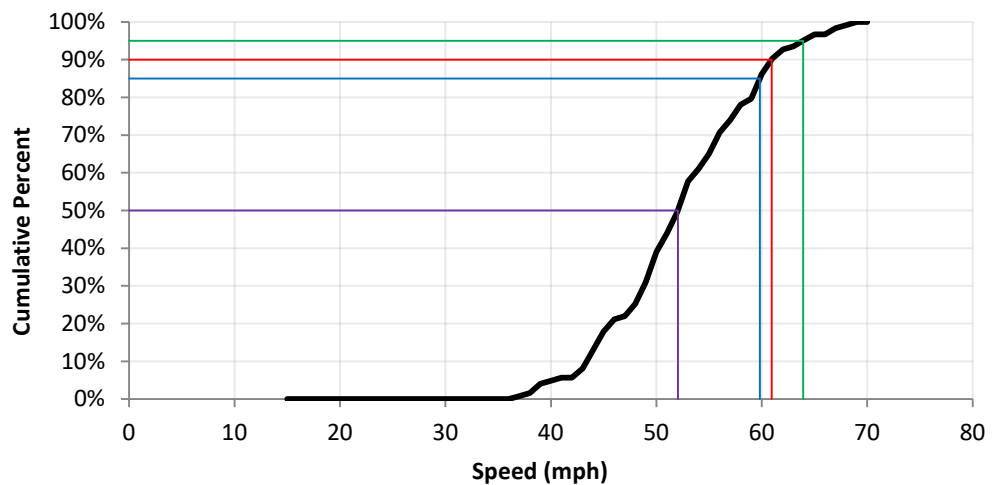
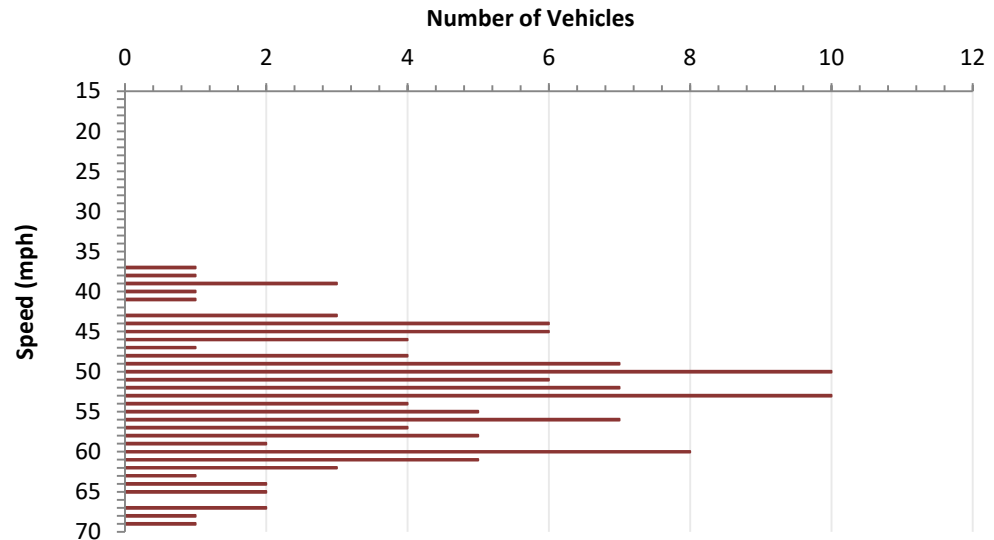
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Archie Moore Rd	From:	Quail Crossing	To:	Rancho Suenos Dr
Position:	300 FT S/O Quail Crossing			Direction:	NB/SB

Date:	8/3/2021	Weather:	Clear	Project Number:	0
Time Start:	11:00AM	Road Condition:	DRY	Observer:	Christopher Chan
Time End:	12:40PM	Posted Speed:	N/A	Calibration Test:	0

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		



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

DATA ANALYSIS

Average Speed	52.7	Range	37 - 69
50th Percentile	52.1	10 mph Pace	49 - 58
85th Percentile	59.8	Number in Pace	65
90th Percentile	60.9	Percent in Pace	53%
95th Percentile	63.9		
Total	123		

2-C. Radar Certification

Austin Drive

Sweetwater Springs Boulevard to South Barcelona Street (0.67 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 2-C

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Austin Drive from Sweetwater Springs Boulevard to South Barcelona Street (a distance of 0.67 miles)
SPRING VALLEY (Thos. Bros. 1271-E7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Austin Drive from Sweetwater Springs Boulevard to South Barcelona Street is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 40 MPH speed limit.

Existing Traffic Devices

Austin Drive is a striped two-lane divided through highway with a 36 foot travelled way on a 36 to 70 foot road bed. The roadway is striped with a no passing centerline, two way left turn lane, and bike lanes. There is a marked school zone on the segment and an uncontrolled school crosswalk with flashing beacons on a mast arm at the intersection of Avenida Bosque. Austin Drive is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 40 MPH/Radar Enforced.

Average Daily Traffic Volumes

08/21

Austin Drive:

100' E/o Avenida Bosques	7,031
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Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Austin Drive:

300' W/o Avenida Bosques (2021)	47.4 MPH	37-46	65.0%
(2014)	44.2 MPH	35-44	71.0%

Collision Data

There have been 14 reported collisions along this segment of roadway, 6 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 2.72 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME
Austin Dr 100' E/O Avenida Bosques

Day: Tuesday
Date: 8/17/2021

City: Spring Valley
Project #: CA21_040142_001

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,690	3,341						7,031
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	0	0	3	5	8		12:00	0	0	57	50	107							
00:15	0	0	10	7	17		12:15	0	0	52	51	103							
00:30	0	0	3	6	9		12:30	0	0	44	74	118							
00:45	0	0	2	18	20	38	12:45	0	0	52	205	105	280	157	485				
01:00	0	0	1	5	6		13:00	0	0	138	70	208							
01:15	0	0	2	6	8		13:15	0	0	102	55	157							
01:30	0	0	1	2	3		13:30	0	0	61	36	97							
01:45	0	0	1	5	3	16	13:45	0	0	50	351	46	207	96	558				
02:00	0	0	1	2	3		14:00	0	0	50	65	115							
02:15	0	0	1	1	2		14:15	0	0	67	60	127							
02:30	0	0	0	0	0		14:30	0	0	71	58	129							
02:45	0	0	5	7	4	7	14:45	0	0	53	241	65	248	118	489				
03:00	0	0	2	0	2		15:00	0	0	83	79	162							
03:15	0	0	1	3	4		15:15	0	0	90	68	158							
03:30	0	0	3	2	5		15:30	0	0	63	67	130							
03:45	0	0	2	8	4	9	15:45	0	0	61	297	74	288	135	585				
04:00	0	0	2	2	4		16:00	0	0	58	48	106							
04:15	0	0	4	0	4		16:15	0	0	63	66	129							
04:30	0	0	11	1	12		16:30	0	0	79	76	155							
04:45	0	0	14	31	2	5	16:45	0	0	71	271	63	253	134	524				
05:00	0	0	11	2	13		17:00	0	0	68	71	139							
05:15	0	0	18	4	22		17:15	0	0	66	73	139							
05:30	0	0	21	3	24		17:30	0	0	60	67	127							
05:45	0	0	21	71	13	22	17:45	0	0	47	241	53	264	100	505				
06:00	0	0	29	11	40		18:00	0	0	40	53	93							
06:15	0	0	27	15	42		18:15	0	0	48	58	106							
06:30	0	0	32	12	44		18:30	0	0	37	54	91							
06:45	0	0	63	151	23	61	18:45	0	0	32	157	50	215	82	372				
07:00	0	0	82	67	149		19:00	0	0	52	55	107							
07:15	0	0	80	76	156		19:15	0	0	32	45	77							
07:30	0	0	96	81	177		19:30	0	0	22	30	52							
07:45	0	0	169	427	119	343	19:45	0	0	35	141	42	172	77	313				
08:00	0	0	120	78	198		20:00	0	0	20	35	55							
08:15	0	0	54	46	100		20:15	0	0	29	37	66							
08:30	0	0	71	36	107		20:30	0	0	23	49	72							
08:45	0	0	41	286	37	197	20:45	0	0	18	90	32	153	50	243				
09:00	0	0	44	34	78		21:00	0	0	17	20	37							
09:15	0	0	44	27	71		21:15	0	0	19	25	44							
09:30	0	0	51	27	78		21:30	0	0	16	21	37							
09:45	0	0	62	201	39	127	21:45	0	0	12	64	18	84	30	148				
10:00	0	0	38	26	64		22:00	0	0	12	16	28							
10:15	0	0	34	30	64		22:15	0	0	12	19	31							
10:30	0	0	45	30	75		22:30	0	0	6	13	19							
10:45	0	0	38	155	28	114	22:45	0	0	7	37	14	62	21	99				
11:00	0	0	47	39	86		23:00	0	0	5	5	10							
11:15	0	0	55	37	92		23:15	0	0	11	16	27							
11:30	0	0	54	39	93		23:30	0	0	8	14	22							
11:45	0	0	52	208	37	152	23:45	0	0	3	27	7	42	10	69				
TOTALS				1568	1073	2641	TOTALS				2122	2268	4390						
SPLIT %				59.4%	40.6%	37.6%	SPLIT %				48.3%	51.7%	62.4%						

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,690	3,341						7,031
AM Peak Hour				07:15	07:15	07:15	PM Peak Hour				12:45	12:30	12:30						
AM Pk Volume				465	354	819	PM Pk Volume				353	304	640						
Pk Hr Factor				0.688	0.744	0.711	Pk Hr Factor				0.639	0.724	0.769						
7 - 9 Volume	0	0		713	540	1253	4 - 6 Volume	0	0		512	517	1029						
7 - 9 Peak Hour				07:15	07:15	07:15	4 - 6 Peak Hour				16:30	16:30	16:30						
7 - 9 Pk Volume	0	0		465	354	819	4 - 6 Pk Volume	0	0		284	283	567						
Pk Hr Factor	0.000	0.000		0.688	0.744	0.711	Pk Hr Factor	0.000	0.000		0.899	0.931	0.915						



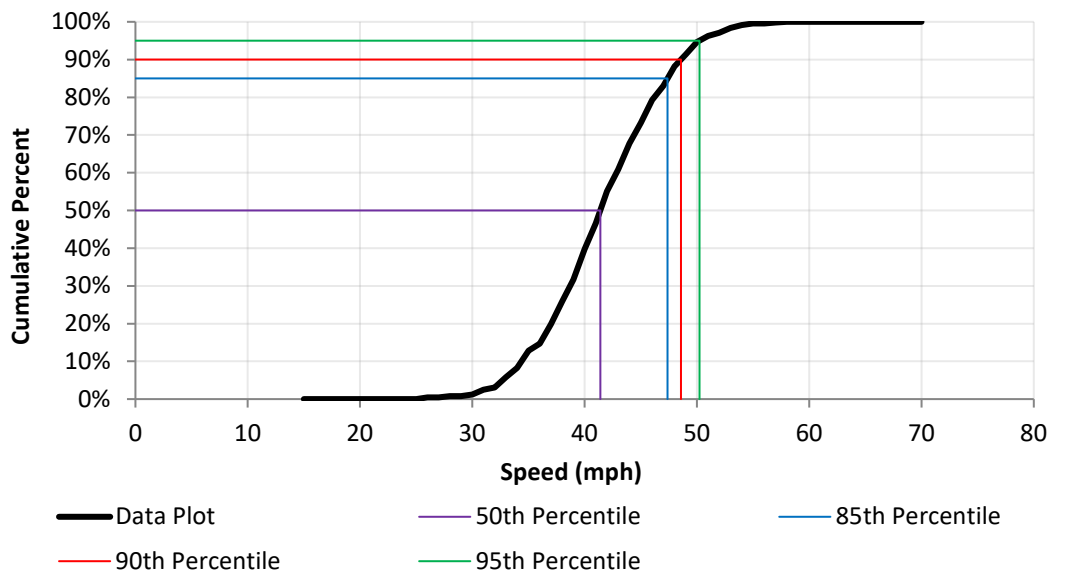
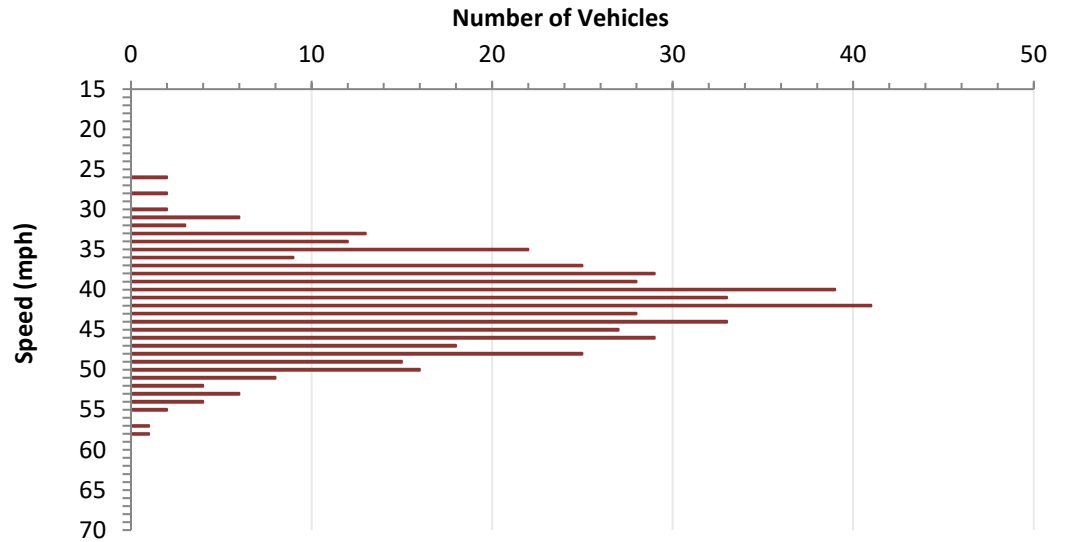
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Austin Drive	From:	Montemar Dr	To:	Sweetwater Springs Bl
Position:	300' W/o Avenida Boques	Direction:	NB/SB		

Date:	5/20/2021	Weather:	Clear	Project Number:	21-040085-003
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	40 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	2	0.4%
27		
28	2	0.8%
29		
30	2	1.2%
31	6	2.5%
32	3	3.1%
33	13	5.8%
34	12	8.3%
35	22	12.8%
36	9	14.7%
37	25	19.9%
38	29	25.9%
39	28	31.7%
40	39	39.8%
41	33	46.6%
42	41	55.1%
43	28	60.9%
44	33	67.7%
45	27	73.3%
46	29	79.3%
47	18	83.0%
48	25	88.2%
49	15	91.3%
50	16	94.6%
51	8	96.3%
52	4	97.1%
53	6	98.3%
54	4	99.2%
55	2	99.6%
56		
57	1	99.8%
58	1	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	483	



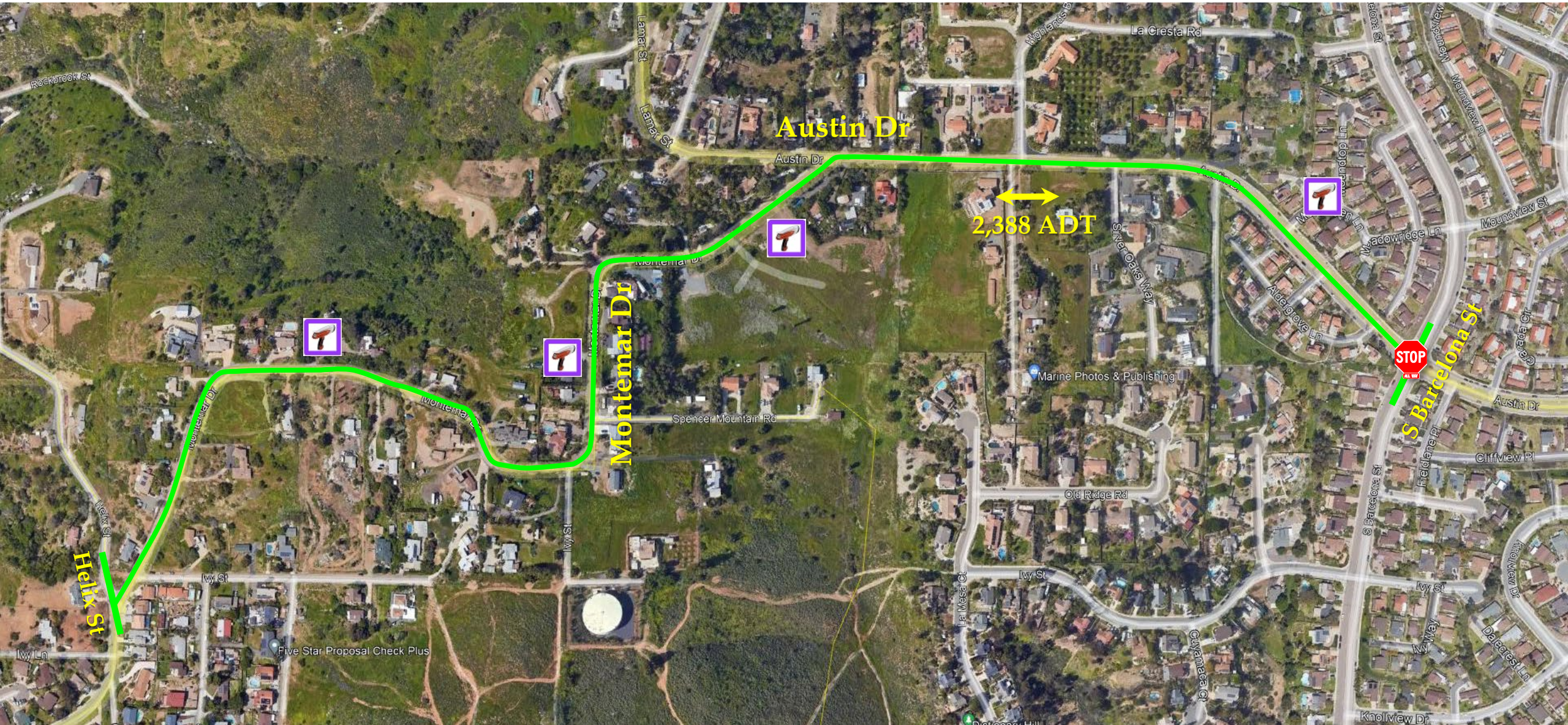
DATA ANALYSIS

Average Speed	42.0	Range	26 - 58
50th Percentile	41.4	10 mph Pace	37 - 46
85th Percentile	47.4	Number in Pace	312
90th Percentile	48.6	Percent in Pace	65%
95th Percentile	50.2		

2-D. Radar Certification

Austin Drive/Montemar Drive

South Barcelona Street to Helix Street (1.12 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 2-D

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Austin Drive/Montemar Drive from South Barcelona Street to Helix Street (a distance of 1.12 miles)
SPRING VALLEY (Thos. Bros. 1271-D7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Austin Drive from South Barcelona Street to Montemar Drive is currently posted 40 MPH Radar Enforced. Montemar Drive from Austin Drive to Helix Street has no posted speed limit. Preliminary review of prevailing speeds and roadway conditions could support radar certification of a 30 MPH speed limit Austin Drive/Montemar Drive from South Barcelona Street to Helix Street.

Existing Traffic Devices

Austin Drive/Montemar Drive is a striped two-lane through highway with a 24 foot travelled way on a 24 to 64 foot road bed. The roadway is striped with a no passing centerline. There are turn advisory signs with supplemental advisory speed plaques along the segment. Austin Drive is also striped with white edgeline from Montemar Drive to Highlands Boulevard and bikelane from Highlands Boulevard to South Barcelona Street. Montemar Drive/Austin Drive is unclassified on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

	<u>08/21</u>	<u>11/13</u>
Austin Drive:		
At Highlands Boulevard	2,388	2,350

<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Austin Drive:			
600' W/o Barcelona Street (2021)	39.5 MPH	32-41	80.0%
(2014)	38.6 MPH	31-40	79.0%
Montemar Drive:			
300' S/o Austin Drive (2021)	32.5 MPH	24-33	82.0%
1,200' S/o Austin Drive (2021)	32.3 MPH	23-32	76.0%

1,200' N/o Helix Street	(2021)	35.7 MPH	27-36	81.0%
Speed Zone	(2021)	35.0 MPH	27-36	79.8%

Collision Data

There have been 18 reported collisions along this segment of roadway, 3 of which involved injury, in a 5 year period (06-01-2016 to 04-30-2021). These collisions result in a segment accident rate of 3.69 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.



County of San Diego

JEFF MONEDA
DIRECTOR

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVENUE, SUITE 410
SAN DIEGO, CA 92123-1237
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www.sdcounty.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: August 19, 2021

Item Title: Speed Limit and Radar Certification

Location: Montemar Drive and Austin Drive from Helix Street to Barcelona Street

CTE Recommendation: **Establish 30 MPH Radar Enforced Speed Limit** *340*

Conditions:

- Section 22358 of the California Vehicle Code authorizes a local agency to determine upon the basis of an Engineering and Traffic Survey (E&TS) that the speed limit of 65 miles per hour (mph) is more than is reasonable or safe, the agency may declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, or 25 mph, whichever is found most appropriate and is reasonable and safe.
- Section 2B.13 "Speed Limit Sign (R2-1)" of the California MUTCD, provides that an E&TS shall include a) prevailing speeds, b) collision records, and c) highway, traffic and roadside conditions that are not apparent to a driver.
- The California Manual on Uniform Traffic Control Devices stipulates that speed limits are usually set at the 5 mph increment above or below the prevailing (85th percentile) speed of motorists.
- Montemar Drive and Austin Dive are two-lane roadways with mostly unimproved and limited shoulders. Throughout the entire length of these two roads of 1.12 miles, the pavement width varies between 24 feet and 50 feet with a striped center line.
- Recent speed surveys on Montemar Drive and Austin Drive taken on June 14, 2021, at 4 locations within the subject segment Montemar Drive and Austin Drive resulted in an overall prevailing speed of 35.0 mph, which could support a speed limit of 30 mph using radar for speed enforcement.

- A review of the roadway collision data for the most recent five-year period (June 2016 to April 2021) shows a total of 18 reported collisions on the subject section of Montemar Drive and Austin Drive which results in a collision rate of 3.69 collisions per million-vehicle-mile (c/mvm) compared to a state average of 1.6 c/mvm for similar roadway.
- Pursuant to CVC section 22358 coupled with above noted collision history on Valley Center Road and the guidance of the CA MUTCD section 2B.13, a 30 mph radar enforced speed limit on Montemar Drive and Austin Drive between Helix Street and Barcelona Street is reasonable and safe.

VOLUME

Austin Dr & Highlands Blvd

Day: Thursday
Date: 5/20/2021City: Spring Valley
Project #: CA21_040084_003

DAILY TOTALS					NB	SB	EB					WB	Total		
					0	0	1,102					1,286	2,388		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00			1	1	2		12:00			16	23	39			
00:15			0	2	2		12:15			20	17	37			
00:30			2	0	2		12:30			16	21	37			
00:45			1	4	2	5	12:45			11	63	23	136		
01:00			0	0	0		13:00			10	20	30			
01:15			0	1	1		13:15			26	20	46			
01:30			3	1	4		13:30			20	24	44			
01:45			2	5	3	8	13:45			23	79	45	165		
02:00			0	1	1		14:00			39	24	63			
02:15			0	0	0		14:15			32	54	86			
02:30			1	0	1		14:30			21	30	51			
02:45			0	1	0	1	14:45			22	114	51	251		
03:00			0	0	0		15:00			20	24	44			
03:15			0	1	1		15:15			28	30	58			
03:30			0	1	1		15:30			16	25	41			
03:45			0	0	0	2	15:45			18	82	44	187		
04:00			2	0	2		16:00			28	31	59			
04:15			0	1	1		16:15			23	28	51			
04:30			2	2	4		16:30			26	24	50			
04:45			0	4	0	3	16:45			19	96	48	208		
05:00			2	0	2		17:00			17	21	38			
05:15			4	2	6		17:15			12	40	52			
05:30			3	1	4		17:30			20	28	48			
05:45			6	15	9	6	17:45			18	67	41	179		
06:00			3	1	4		18:00			10	16	26			
06:15			3	3	6		18:15			13	15	28			
06:30			4	6	10		18:30			12	17	29			
06:45			12	22	3	13	18:45			11	46	31	114		
07:00			16	7	23		19:00			11	19	30			
07:15			19	11	30		19:15			5	19	24			
07:30			68	40	108		19:30			7	6	13			
07:45			68	171	49	107	19:45			7	30	23	90		
08:00			21	34	55		20:00			15	11	26			
08:15			20	16	36		20:15			10	9	19			
08:30			23	20	43		20:30			4	10	14			
08:45			22	86	42	90	20:45			7	36	17	76		
09:00			11	14	25		21:00			5	10	15			
09:15			5	12	17		21:15			6	5	11			
09:30			16	13	29		21:30			3	7	10			
09:45			15	47	25	96	21:45			0	14	4	40		
10:00			10	13	23		22:00			2	5	7			
10:15			11	22	33		22:15			3	3	6			
10:30			16	23	39		22:30			2	3	5			
10:45			15	52	30	125	22:45			1	8	4	22		
11:00			15	21	36		23:00			1	1	2			
11:15			13	14	27		23:15			0	0	0			
11:30			16	34	50		23:30			1	2	3			
11:45			14	58	41	154	23:45			0	2	2	7		
TOTALS	465					448	913	TOTALS	637					838	1475
SPLIT %	50.9%					49.1%	38.2%	SPLIT %	43.2%					56.8%	61.8%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						1,102	1,286						2,388
AM Peak Hour			07:30	07:30	07:30		PM Peak Hour			13:45	14:00	14:00							
AM Pk Volume			177	139	316		PM Pk Volume			115	137	251							
Pk Hr Factor			0.651	0.709	0.675		Pk Hr Factor			0.737	0.634	0.730							
7 - 9 Volume	0	0	257	197	454		4 - 6 Volume	0	0	163	224	387							
7 - 9 Peak Hour			07:30	07:30	07:30		4 - 6 Peak Hour			16:00	16:45	16:00							
7 - 9 Pk Volume	0	0	177	139	316		4 - 6 Pk Volume	0	0	96	118	208							
Pk Hr Factor	0.000	0.000	0.651	0.709	0.675		Pk Hr Factor	0.000	0.000	0.857	0.738	0.881							

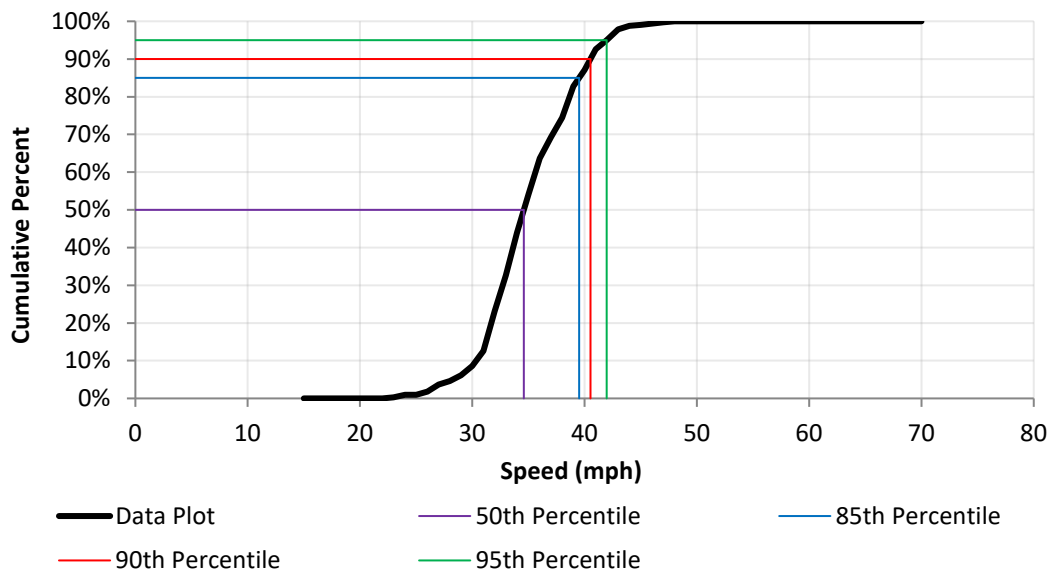
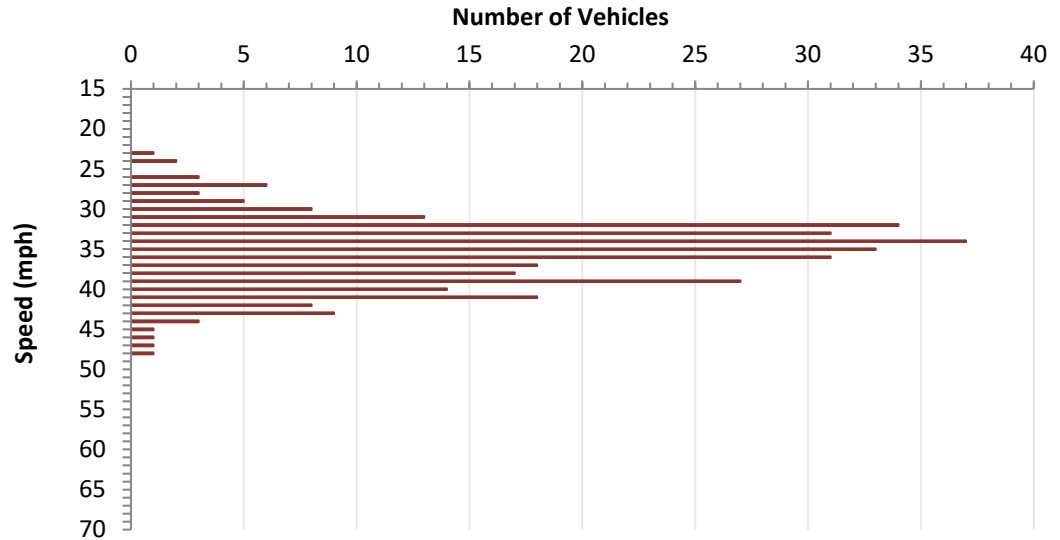


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Austin Drive	From:	Montemar Dr	To:	Sweetwater Springs Bl
Position:	600' W/o South Barcelona St	Direction:	NB/SB		
Date:	5/20/2021	Weather:	Clear	Project Number:	21-040085-004
Time Start:	1:30 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:30 PM	Posted Speed:	40 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23	1	0.3%
24	2	0.9%
25		
26	3	1.8%
27	6	3.7%
28	3	4.6%
29	5	6.2%
30	8	8.6%
31	13	12.6%
32	34	23.1%
33	31	32.6%
34	37	44.0%
35	33	54.2%
36	31	63.7%
37	18	69.2%
38	17	74.5%
39	27	82.8%
40	14	87.1%
41	18	92.6%
42	8	95.1%
43	9	97.8%
44	3	98.8%
45	1	99.1%
46	1	99.4%
47	1	99.7%
48	1	100.0%
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	325	



DATA ANALYSIS

Average Speed	35.5	Range	23 - 48
50th Percentile	34.6	10 mph Pace	32 - 41
85th Percentile	39.5	Number in Pace	260
90th Percentile	40.5	Percent in Pace	80%
95th Percentile	42.0		



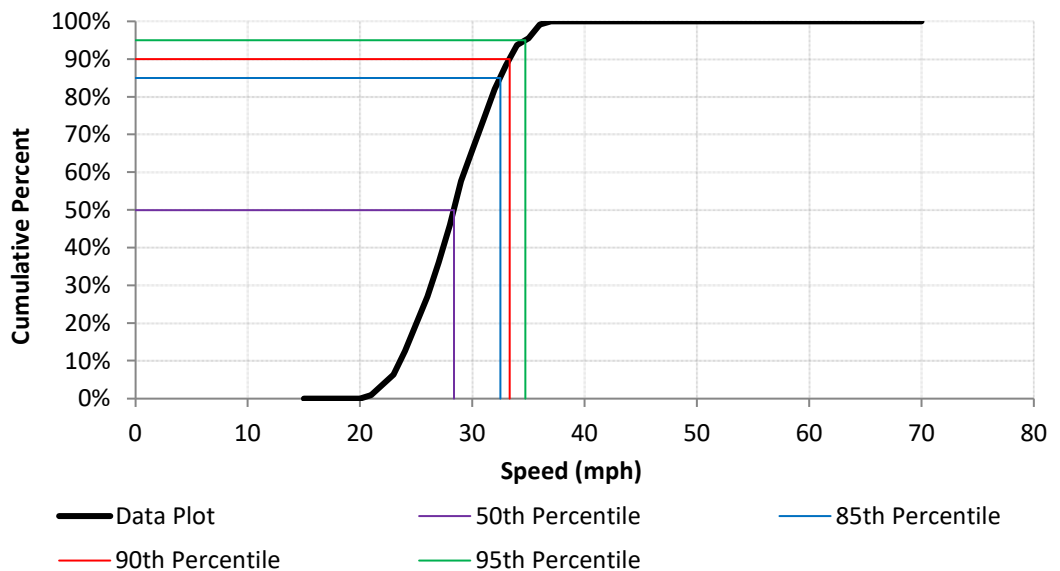
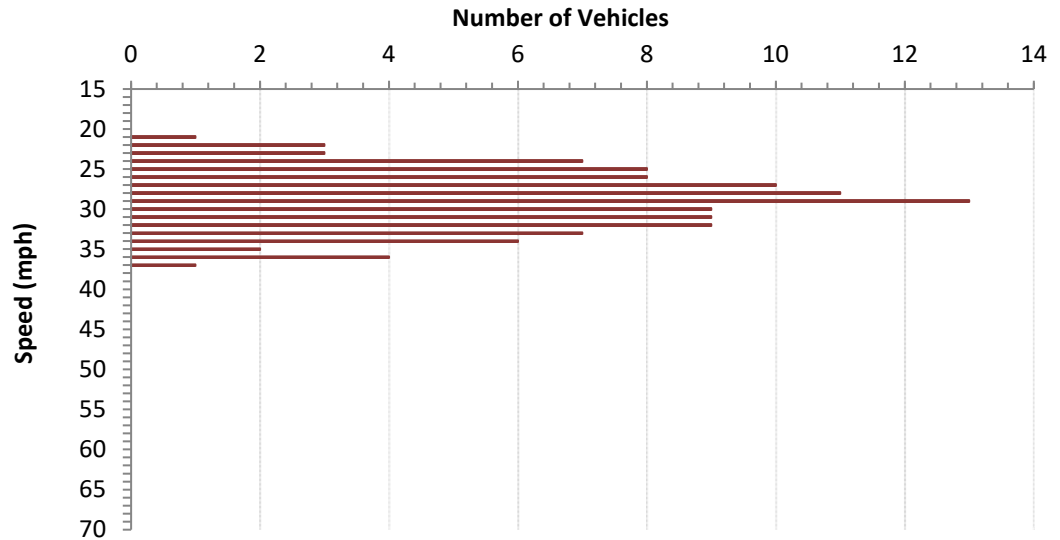
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Montemar Dr	From:	Austin Dr	To:	Helix St
Position:	300 ft S/O Austin Dr	Direction:	NB/SB		

Date:	6/14/2021	Weather:	Clear	Project Number:	0
Time Start:	1:30PM	Road Condition:	DRY	Observer:	Barra Manaseer
Time End:	3:00PM	Posted Speed:	N/A	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	0.9%
22	3	3.6%
23	3	6.3%
24	7	12.6%
25	8	19.8%
26	8	27.0%
27	10	36.0%
28	11	45.9%
29	13	57.7%
30	9	65.8%
31	9	73.9%
32	9	82.0%
33	7	88.3%
34	6	93.7%
35	2	95.5%
36	4	99.1%
37	1	100.0%
38		
39		
40		
41		
42		
43		
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	111	



DATA ANALYSIS

Average Speed	28.9	Range	21 - 37
50th Percentile	28.3	10 mph Pace	24 - 33
85th Percentile	32.5	Number in Pace	91
90th Percentile	33.3	Percent in Pace	82%
95th Percentile	34.7		



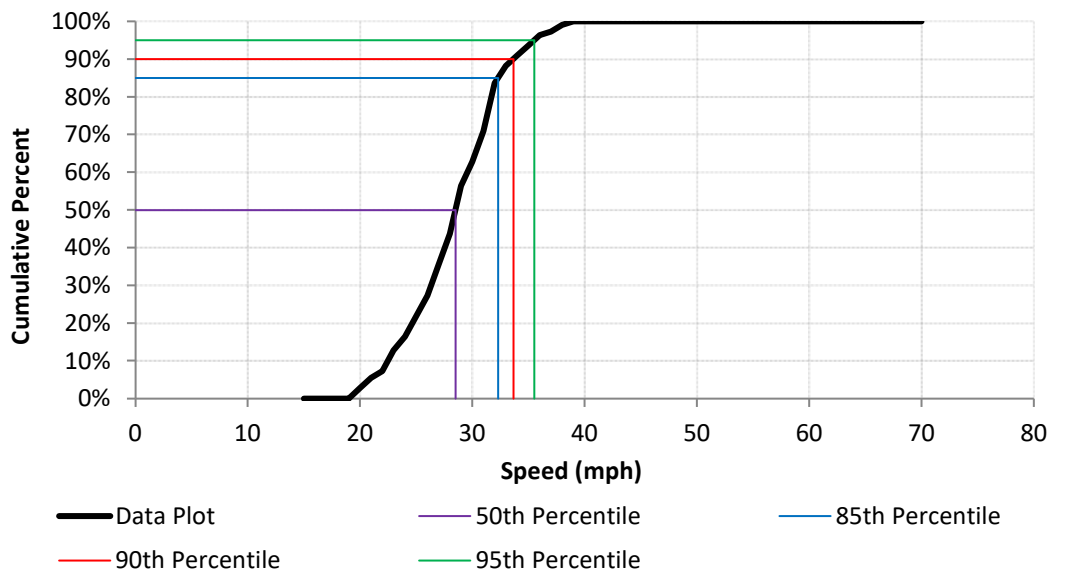
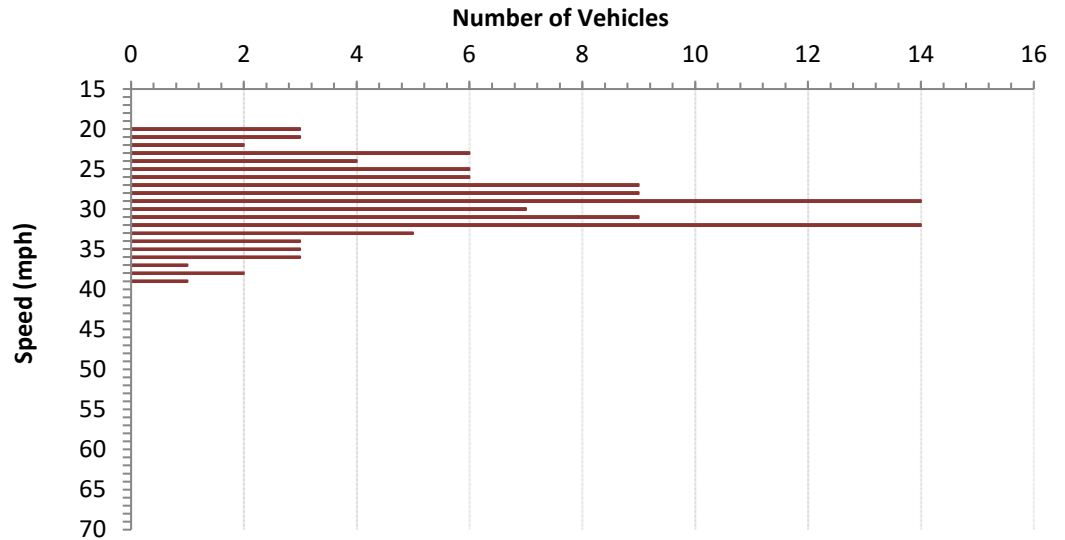
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Montemar Dr	From:	Austin Dr	To:	Helix St
Position:	1200 ft S/O Austin Dr	Direction:	NB/SB		

Date:	3/2/2021	Weather:	Clear	Project Number:	0
Time Start:	1:30PM	Road Condition:	DRY	Observer:	Barra Manaseer
Time End:	3:00PM	Posted Speed:	N/A	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20	3	2.7%
21	3	5.5%
22	2	7.3%
23	6	12.7%
24	4	16.4%
25	6	21.8%
26	6	27.3%
27	9	35.5%
28	9	43.6%
29	14	56.4%
30	7	62.7%
31	9	70.9%
32	14	83.6%
33	5	88.2%
34	3	90.9%
35	3	93.6%
36	3	96.4%
37	1	97.3%
38	2	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	110	



DATA ANALYSIS

Average Speed	28.9	Range	20 - 39
50th Percentile	28.5	10 mph Pace	23 - 32
85th Percentile	32.3	Number in Pace	84
90th Percentile	33.7	Percent in Pace	76%
95th Percentile	35.5		



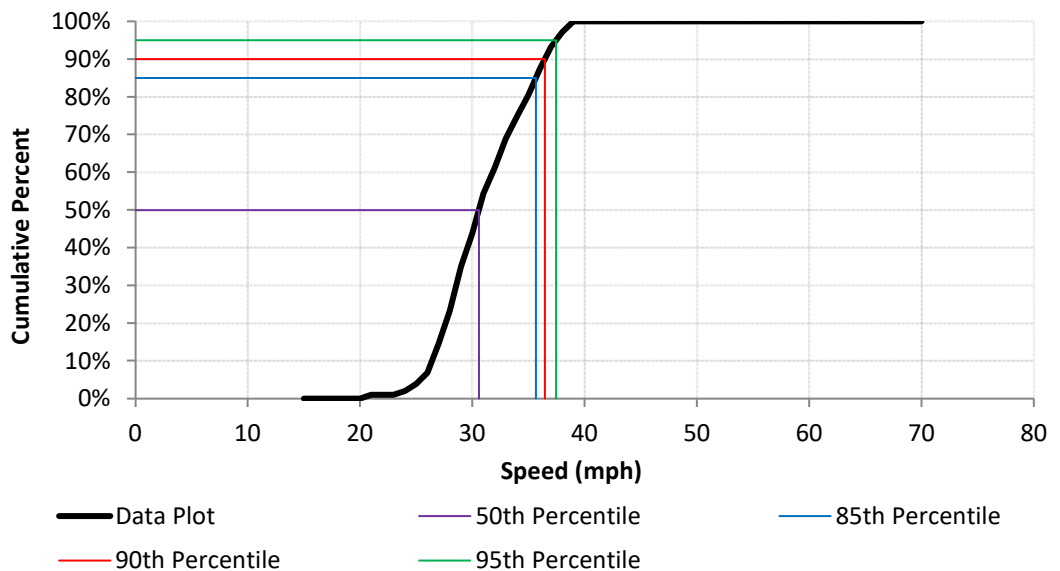
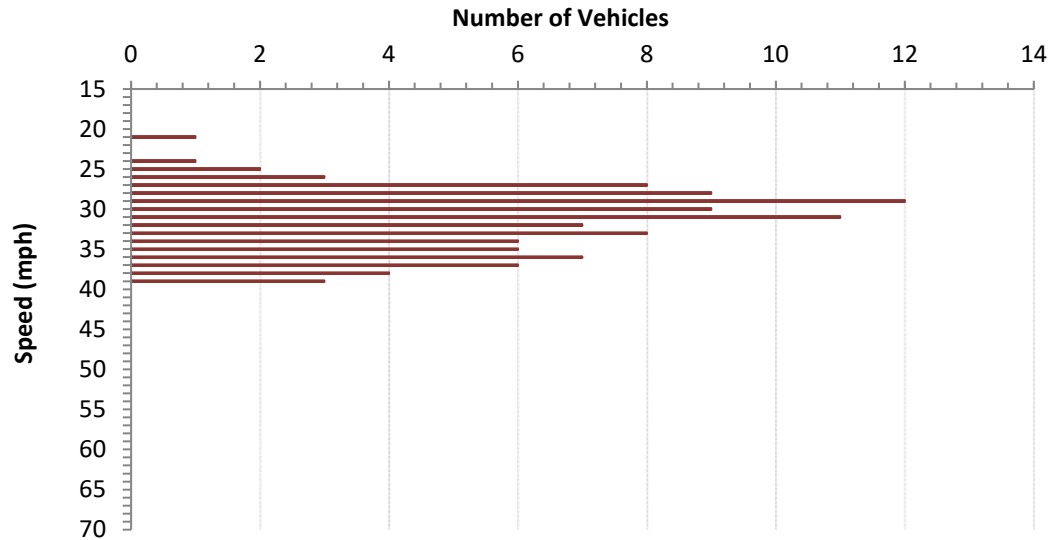
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Montemar Dr	From:	Austin Dr	To:	Helix St
Position:	1200 ft N/O Helix St	Direction:	NB/SB		

Date:	6/14/2021	Weather:	Clear	Project Number:	0
Time Start:	10:10AM	Road Condition:	DRY	Observer:	Barra Manaseer
Time End:	11:45AM	Posted Speed:	N/A	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	1.0%
22		
23		
24	1	1.9%
25	2	3.9%
26	3	6.8%
27	8	14.6%
28	9	23.3%
29	12	35.0%
30	9	43.7%
31	11	54.4%
32	7	61.2%
33	8	68.9%
34	6	74.8%
35	6	80.6%
36	7	87.4%
37	6	93.2%
38	4	97.1%
39	3	100.0%
40		
41		
42		
43		
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	103	

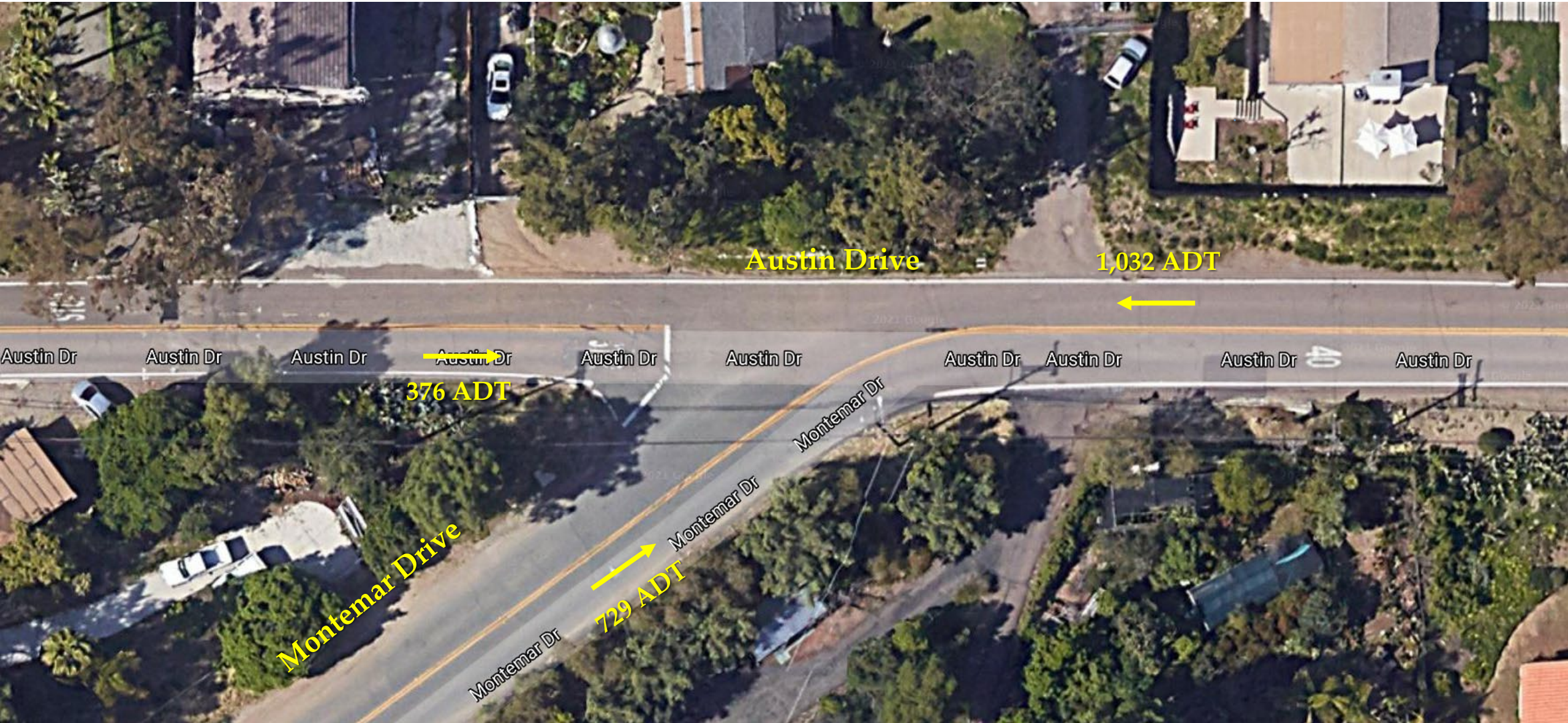


DATA ANALYSIS

Average Speed	31.5	Range	21 - 39
50th Percentile	30.6	10 mph Pace	27 - 36
85th Percentile	35.7	Number in Pace	83
90th Percentile	36.5	Percent in Pace	81%
95th Percentile	37.5		

2-E. Intersection Control

Austin Drive & Montemar Drive



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 **Item 2-E**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Austin Drive & Montemar Drive, SPRING VALLEY
(Thos. Bros. 1271-C7)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

The intersection of Austin Drive and Montemar Drive has been identified by Traffic Engineering as meeting Option D, 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

Austin Drive is a striped two-lane through highway with a 24-foot travelled way and roadbed. The roadway is striped with a no passing centerline and white edgeline. The roadway is unclassified on the County General Plan Mobility Element Network. The roadway is stop controlled in the east bound direction at Montemar Drive. The roadway is posted 40 MPH radar enforced east of the intersection. Austin Drive is unposted west of the intersection.

Montemar Drive is a two-lane through highway. The road runs north/south and has a 24-foot travelled way on a 36-foot roadbed. Montemar Drive is striped with a no passing centerline. The roadway is unclassified on the County General Plan Mobility Element Network. The roadway has no posted speed limit.

Average Daily Traffic Volumes

04/21

Austin Drive:

E/o Montemar Drive	1,032 WB
W/o Montemar Drive	376 EB

Montemar Drive:

S/o Austin Drive	729 NB
------------------	--------

Collision Data

There have been 0 reported collisions at this intersection, within a past 5-year period (03-

Austin Drive
& Montemar Drive

2

Item 2-E

01-2016 to 02-28-2021).



County of San Diego

JEFF MONEDA
DIRECTOR

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

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: August 26, 2021

Item Title: All-Way Stop Controls

Location: Austin Drive and Montemar Drive Intersection

Recommendation: **Install All-Way Stop Controls** *340*

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 MUTCD, provides four optional criteria that may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Section 2B.07 - Option D, Intersection of two Residential Collectors, indicates all-way stop controls may be considered at an intersection of two residential collectors of similar design and the all-way stop control would enhance the traffic operations of said intersection. Both Austin Drive and Montemar Drive are considered Residential Collectors with similar traffic operation.
- Existing corner sight distance for Austin Drive eastbound approach is 320 feet looking south as measured in the field, whereas the required corner sight distance per County Public Road Standards is greater than 400 feet based on a design speed of 40 mph for residential collector class.
- The subject intersection of Austin Drive and Montemar Dive is a T-Intersection configuration and for a better traffic operation and safety, the stem of the intersection should be the stop control due to the turning low speed and the potential conflict between the right turn motorists with pedestrian. Due to the

approach traffic volumes and intersection configuration, an all-way stop control is more appropriate for the intersection.

- Pursuant to CVC section 21354 coupled with traffic conditions noted above, it is my recommendation that an All-Way Stop Control is appropriate and safe for the intersection of Austin Drive and Montemar Drive.

VOLUME

Montemar Dr & Austin Dr

Day: Thursday
Date: 4/1/2021City: Spring Valley
Project #: CA21_040053_007

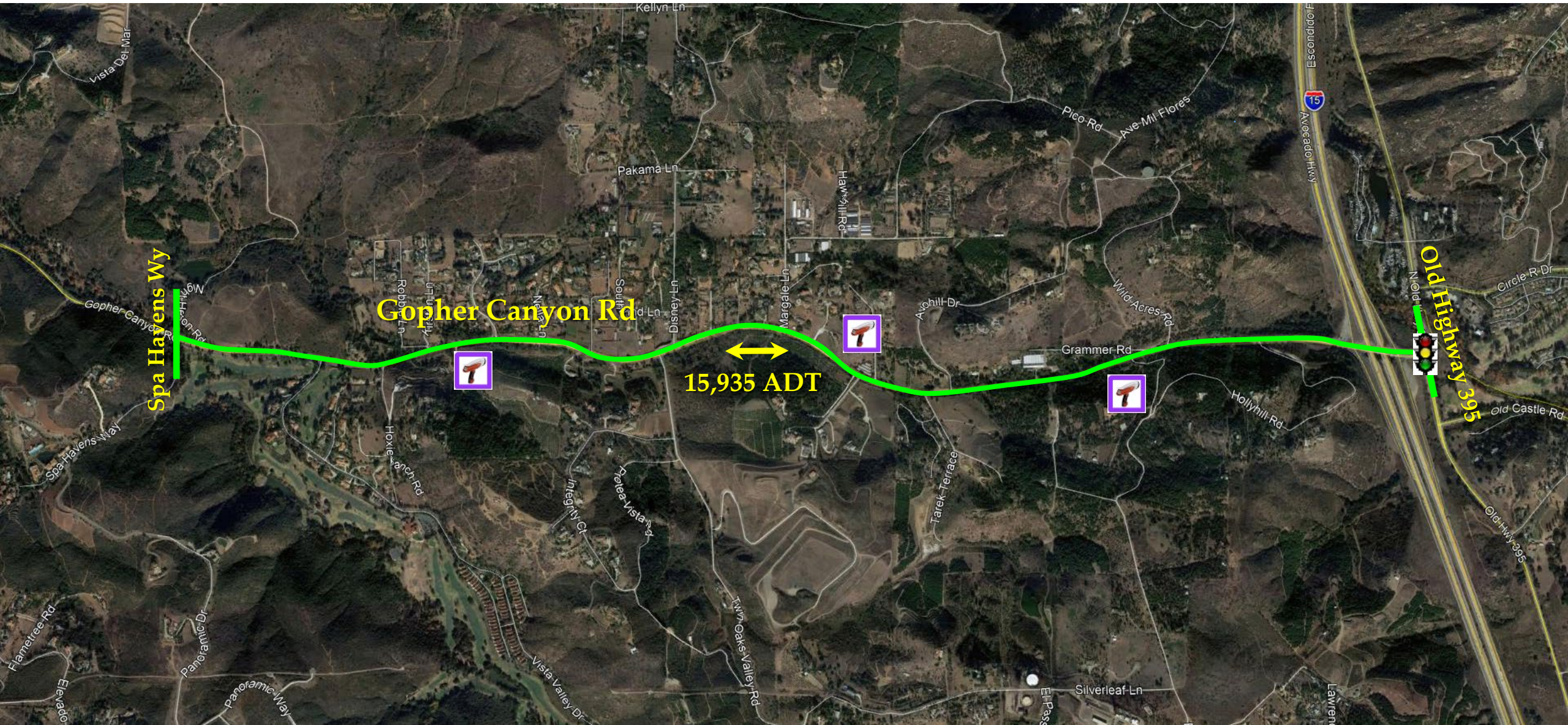
DAILY TOTALS					NB	SB						EB	WB	Total	
					729	0						376	1,032	2,137	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	0		0	1	1		12:00	8		4	23	35			
00:15	1		1	2	4		12:15	9		9	12	30			
00:30	2		0	1	3		12:30	8		3	17	28			
00:45	2	5	0	1	4	12	12:45	9	34	5	21	28	121		
01:00	1		0	2	3		13:00	9		9	10	28			
01:15	2		1	2	5		13:15	19		7	19	45			
01:30	0		0	2	2		13:30	15		6	23	44			
01:45	2	5	0	1	4	14	13:45	10	53	7	29	36	153		
02:00	2		0	0	2		14:00	12		3	10	25			
02:15	1		1	1	3		14:15	17		13	21	51			
02:30	2		0	0	2		14:30	12		6	17	35			
02:45	1	6	0	1	2	9	14:45	9	50	11	33	35	146		
03:00	0		0	1	1		15:00	10		5	15	30			
03:15	1		0	0	1		15:15	15		7	19	41			
03:30	0		0	0	0		15:30	14		8	15	37			
03:45	0	1	0	1	1	3	15:45	15	54	9	29	49	157		
04:00	2		2	1	5		16:00	13		14	27	54			
04:15	1		0	1	2		16:15	11		9	23	43			
04:30	3		0	2	5		16:30	14		9	20	43			
04:45	0	6	1	3	3	15	16:45	25	63	11	43	55	195		
05:00	1		0	2	3		17:00	14		8	19	41			
05:15	0		0	2	2		17:15	12		8	28	48			
05:30	4		0	1	5		17:30	23		14	32	69			
05:45	5	10	0	3	8	18	17:45	9	58	9	39	41	199		
06:00	4		1	5	10		18:00	7		7	33	47			
06:15	6		2	3	11		18:15	12		4	13	29			
06:30	5		0	6	11		18:30	13		6	15	34			
06:45	2	17	3	6	11	43	18:45	14	46	4	21	45	155		
07:00	6		2	3	11		19:00	9		7	16	32			
07:15	11		2	8	21		19:15	13		6	20	39			
07:30	16		5	12	33		19:30	7		4	9	20			
07:45	16	49	7	16	47	112	19:45	7	36	5	22	23	114		
08:00	11		5	10	26		20:00	6		6	17	29			
08:15	10		6	15	31		20:15	7		4	13	24			
08:30	14		3	12	29		20:30	5		2	9	16			
08:45	10	45	4	18	21	107	20:45	3	21	2	14	11	80		
09:00	7		3	15	25		21:00	6		1	10	17			
09:15	7		8	12	27		21:15	3		3	5	11			
09:30	10		5	9	24		21:30	7		2	4	13			
09:45	11	35	6	22	33	109	21:45	1	17	3	9	13	54		
10:00	11		4	17	32		22:00	1		2	4	7			
10:15	4		2	17	23		22:15	5		3	2	10			
10:30	12		5	15	32		22:30	3		1	7	11			
10:45	14	41	2	13	31	118	22:45	1	10	1	7	5	33		
11:00	10		8	20	38		23:00	5		2	0	7			
11:15	11		6	14	31		23:15	2		0	3	5			
11:30	23		5	27	55		23:30	3		1	1	5			
11:45	12	56	5	24	26	150	23:45	1	11	1	4	3	20		
TOTALS	276		105		329		TOTALS	453		271		703		1427	
SPLIT %	38.9%		14.8%		46.3%		SPLIT %	31.7%		19.0%		49.3%		66.8%	

DAILY TOTALS					NB	SB						EB	WB	Total	
					729	0						376	1,032	2,137	
AM Peak Hour	10:45		11:00	10:45	10:45		PM Peak Hour	16:45		16:00	17:15	16:45			
AM Pk Volume	58		24	76	155		PM Pk Volume	74		43	116	213			
Pk Hr Factor	0.630		0.750	0.704	0.705		Pk Hr Factor	0.740		0.768	0.879	0.772			
7 - 9 Volume	94	0	34	91	219		4 - 6 Volume	121	0	82	191	394			
7 - 9 Peak Hour	07:15		07:30	07:30	07:30		4 - 6 Peak Hour	16:45		16:00	17:00	16:45			
7 - 9 Pk Volume	54	0	23	61	137		4 - 6 Pk Volume	74	0	43	102	213			
Pk Hr Factor	0.844	0.000	0.821	0.635	0.729		Pk Hr Factor	0.740	0.000	0.768	0.797	0.772			

5-A. Radar Certification

Gopher Canyon Road

Old Highway 395 to Spa Havens Way (2.94 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Gopher Canyon Road from Old Highway 395 to Spa Havens Way (a distance of 2.94 miles) BONSALL (Thos. Bros. 1068-J6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Gopher Canyon Road from Old Highway 395 to Spa Havens Way is currently posted 50 MPH. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 50 MPH speed.

Existing Traffic Devices

Gopher Canyon Road is a striped two-lane through highway with a 24 to 48 foot travelled way on a 28 to 82 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is a 7 ton weight restricted road. There are intersection, slow trucks, slide area, and grade advisory warning signs along the roadway. Gopher Canyon Road is classified as a Major Road on the County General Plan Mobility Element Network. It is currently posted 50 MPH.

Average Daily Traffic Volumes

05/21

Gopher Canyon Road:

80' W/o Margale Lane 15,935

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Gopher Canyon Road:

500' W/o Wild Acres Road (2021) 51.5 MPH 44-53 83.0%

250' E/o Reza Court (2021) 56.5 MPH 47-56 75.0%

500' W/o Robbie Lane (2021) 53.8 MPH 45-54 83.0%

Speed Zone (2021) 53.9 MPH 45-54 80.3%

Collision Data

There have been 42 reported collisions along this segment of roadway, 14 of which

involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 0.82 collisions per million vehicle miles. The statewide average is 1.19 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than or equal to 55 MPH.

VOLUME

Gopher Canyon Rd 80' W/O Margale Ln

Day: Thursday
Date: 5/27/2021City: Bonsall
Project #: CA21_040084_008

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,105	7,830						15,935
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			8	11	19		12:00			95	83	178							178
00:15			5	8	13		12:15			90	86	176							176
00:30			11	13	24		12:30			105	84	189							189
00:45			5	29	9	41	12:45			109	399	107	360	216	759				
01:00			8	8	16		13:00			101	82	183							183
01:15			9	8	17		13:15			104	111	215							215
01:30			3	5	8		13:30			116	104	220							220
01:45			2	22	3	24	13:45			123	444	108	405	231	849				
02:00			4	1	5		14:00			136	89	225							225
02:15			2	2	4		14:15			160	117	277							277
02:30			3	3	6		14:30			168	134	302							302
02:45			7	16	2	8	14:45			160	624	141	481	301	1105				
03:00			3	6	9		15:00			198	162	360							360
03:15			6	6	12		15:15			204	140	344							344
03:30			10	3	13		15:30			223	172	395							395
03:45			14	33	9	24	15:45			215	840	142	616	357	1456				
04:00			12	9	21		16:00			192	168	360							360
04:15			20	13	33		16:15			175	158	333							333
04:30			26	27	53		16:30			180	175	355							355
04:45			30	88	25	74	16:45			157	704	175	676	332	1380				
05:00			34	33	67		17:00			198	178	376							376
05:15			52	44	96		17:15			198	189	387							387
05:30			59	69	128		17:30			189	193	382							382
05:45			88	233	77	223	17:45			159	744	203	763	362	1507				
06:00			91	82	173		18:00			139	134	273							273
06:15			93	114	207		18:15			137	143	280							280
06:30			118	146	264		18:30			104	115	219							219
06:45			125	427	142	484	18:45			98	478	82	474	180	952				
07:00			116	139	255		19:00			86	68	154							154
07:15			119	195	314		19:15			92	68	160							160
07:30			155	202	357		19:30			73	75	148							148
07:45			104	494	186	722	19:45			81	332	73	284	154	616				
08:00			140	142	282		20:00			73	53	126							126
08:15			104	127	231		20:15			63	59	122							122
08:30			99	110	209		20:30			55	54	109							109
08:45			138	481	110	489	20:45			65	256	39	205	104	461				
09:00			81	79	160		21:00			48	37	85							85
09:15			75	107	182		21:15			38	53	91							91
09:30			115	118	233		21:30			53	59	112							112
09:45			104	375	109	413	21:45			33	172	40	189	73	361				
10:00			107	94	201		22:00			41	36	77							77
10:15			83	94	177		22:15			39	29	68							68
10:30			91	69	160		22:30			24	27	51							51
10:45			86	367	83	340	22:45			10	114	25	117	35	231				
11:00			68	88	156		23:00			24	17	41							41
11:15			93	83	176		23:15			26	17	43							43
11:30			95	87	182		23:30			12	20	32							32
11:45			103	359	94	352	23:45			12	74	12	66	24	140				
TOTALS			2924	3194	6118		TOTALS			5181	4636	9817							9817
SPLIT %			47.8%	52.2%	38.4%		SPLIT %			52.8%	47.2%	61.6%							61.6%

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,105	7,830						15,935
AM Peak Hour			07:15	07:15	07:15		PM Peak Hour			15:00	17:00	17:00							17:00
AM Pk Volume			518	725	1243		PM Pk Volume			840	763	1507							1507
Pk Hr Factor			0.835	0.897	0.870		Pk Hr Factor			0.942	0.940	0.974							0.974
7 - 9 Volume	0	0	975	1211	2186		4 - 6 Volume	0	0	1448	1439	2887							2887
7 - 9 Peak Hour			07:15	07:15	07:15		4 - 6 Peak Hour			17:00	17:00	17:00							17:00
7 - 9 Pk Volume	0	0	518	725	1243		4 - 6 Pk Volume	0	0	744	763	1507							1507
Pk Hr Factor	0.000	0.000	0.835	0.897	0.870		Pk Hr Factor	0.000	0.000	0.939	0.940	0.974							0.974



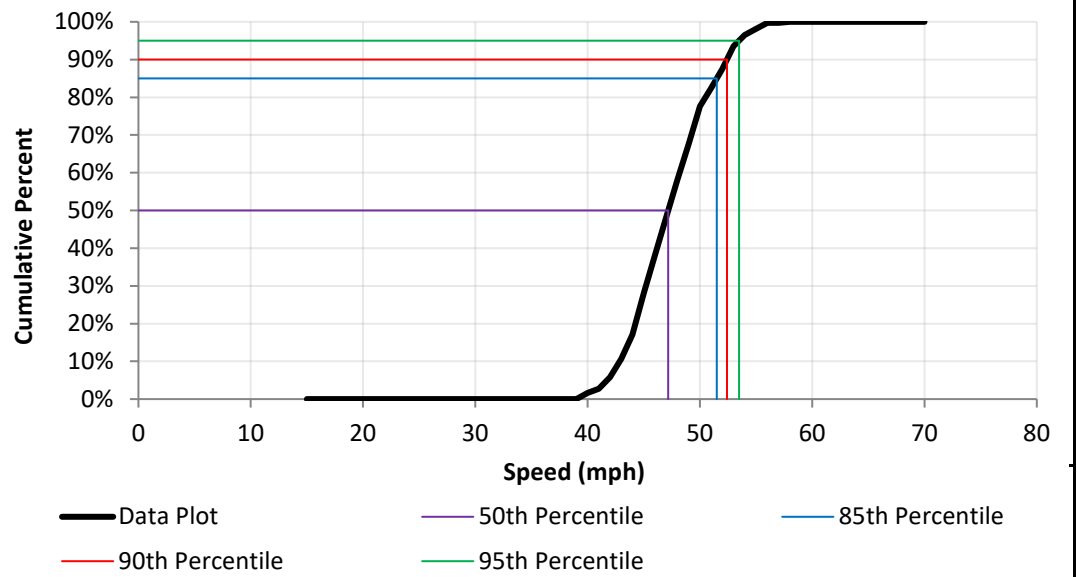
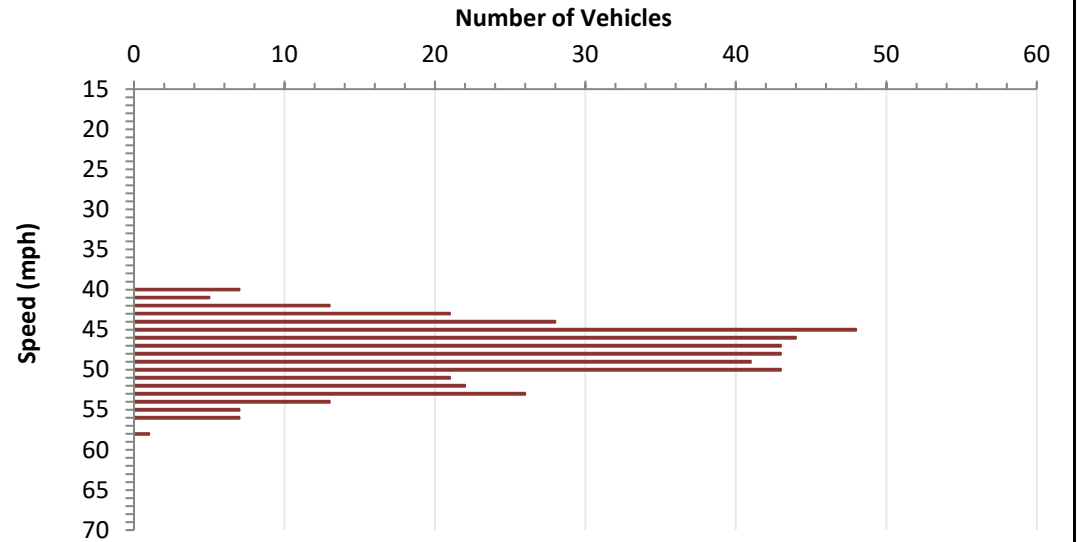
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gopher Canyon Rd	From:	Old Highway 395	To:	Spa Havens Way
Position:	500' W/o Wild Acres Rd	Direction:	EB/WB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-011
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		
36		
37		
38		
39		
40	7	1.6%
41	5	2.8%
42	13	5.8%
43	21	10.6%
44	28	17.1%
45	48	28.2%
46	44	38.3%
47	43	48.3%
48	43	58.2%
49	41	67.7%
50	43	77.6%
51	21	82.4%
52	22	87.5%
53	26	93.5%
54	13	96.5%
55	7	98.2%
56	7	99.8%
57		
58	1	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	433	



DATA ANALYSIS

Average Speed	47.9	Range	40 - 58
50th Percentile	47.2	10 mph Pace	44 - 53
85th Percentile	51.5	Number in Pace	359
90th Percentile	52.4	Percent in Pace	83%
95th Percentile	53.5		



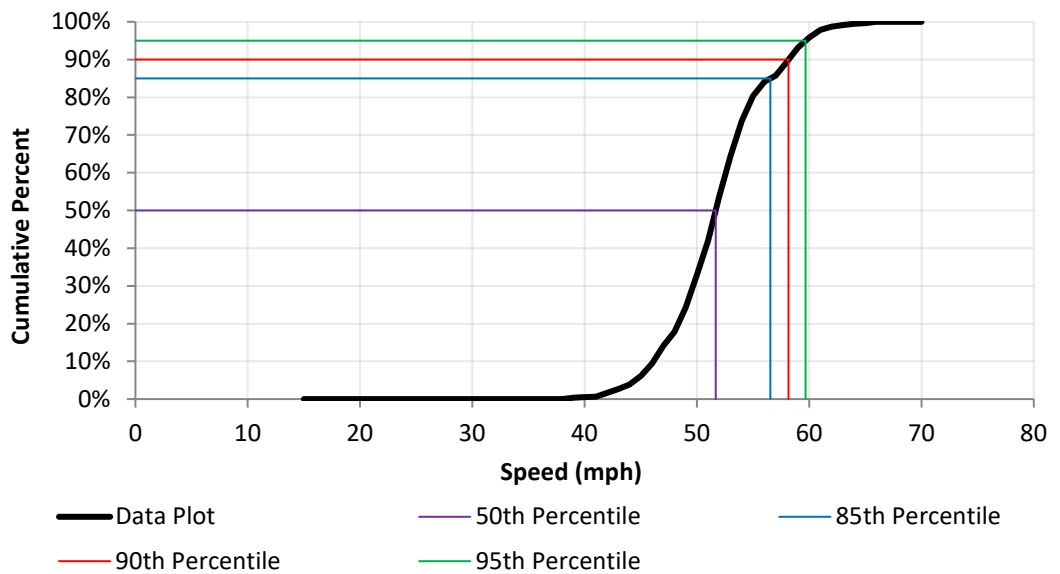
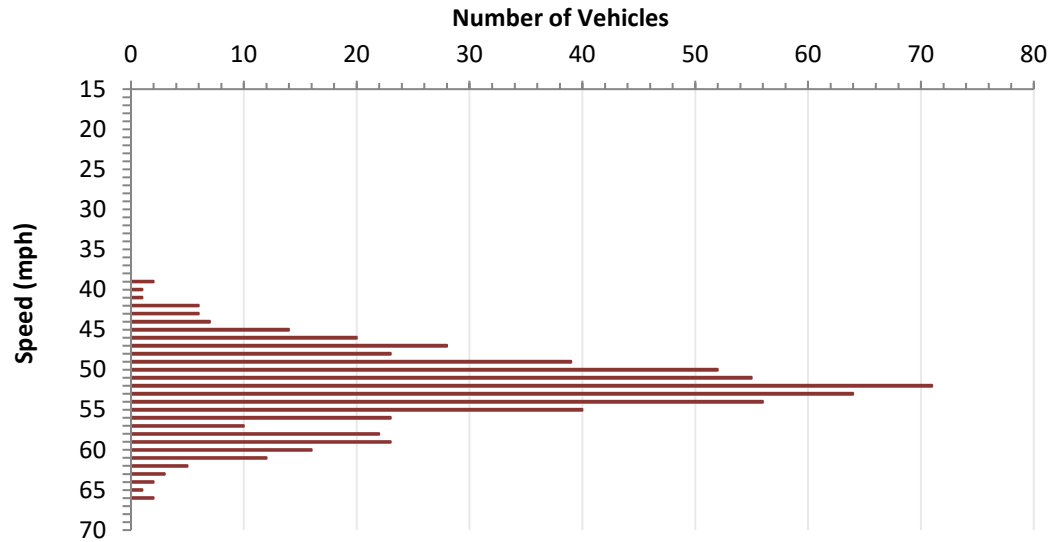
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gopher Canyon Rd	From:	Old Highway 395	To:	Spa Havens Way
Position:	250' E/o Reza Court	Direction:	EB/WB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-015
Time Start:	1:30 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:30 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		
38		
39	2	0.3%
40	1	0.5%
41	1	0.7%
42	6	1.7%
43	6	2.6%
44	7	3.8%
45	14	6.1%
46	20	9.4%
47	28	14.1%
48	23	17.9%
49	39	24.3%
50	52	32.9%
51	55	42.1%
52	71	53.8%
53	64	64.4%
54	56	73.7%
55	40	80.3%
56	23	84.1%
57	10	85.8%
58	22	89.4%
59	23	93.2%
60	16	95.9%
61	12	97.8%
62	5	98.7%
63	3	99.2%
64	2	99.5%
65	1	99.7%
66	2	100.0%
67		
68		
69		
70		
Total	604	



DATA ANALYSIS

Average Speed	52.3	Range	39 - 66
50th Percentile	51.7	10 mph Pace	47 - 56
85th Percentile	56.5	Number in Pace	451
90th Percentile	58.2	Percent in Pace	75%
95th Percentile	59.7		



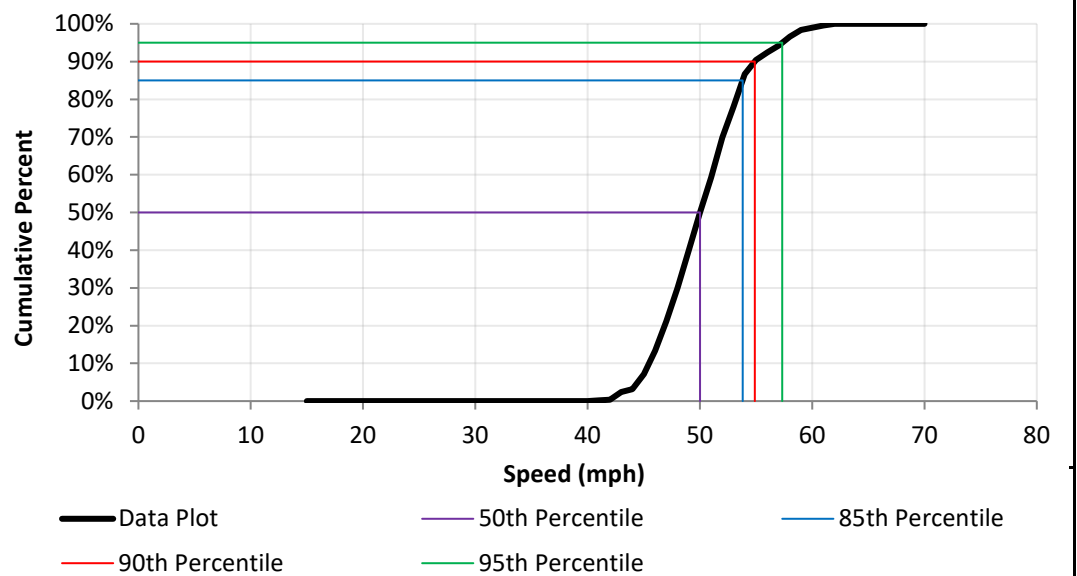
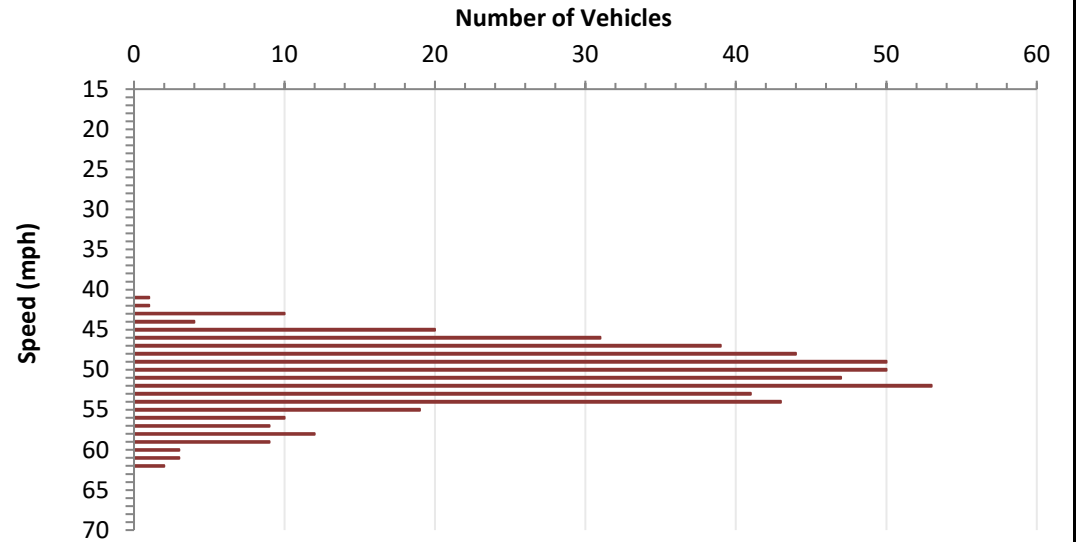
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gopher Canyon Rd	From:	Old Highway 395	To:	Spa Havens Way
Position:	500' W/o Robbie Ln	Direction:	EB/WB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-012
Time Start:	1:30 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:30 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		
38		
39		
40		
41	1	0.2%
42	1	0.4%
43	10	2.4%
44	4	3.2%
45	20	7.2%
46	31	13.4%
47	39	21.2%
48	44	29.9%
49	50	39.9%
50	50	49.9%
51	47	59.3%
52	53	69.9%
53	41	78.0%
54	43	86.6%
55	19	90.4%
56	10	92.4%
57	9	94.2%
58	12	96.6%
59	9	98.4%
60	3	99.0%
61	3	99.6%
62	2	100.0%
63		
64		
65		
66		
67		
68		
69		
70		
Total	501	



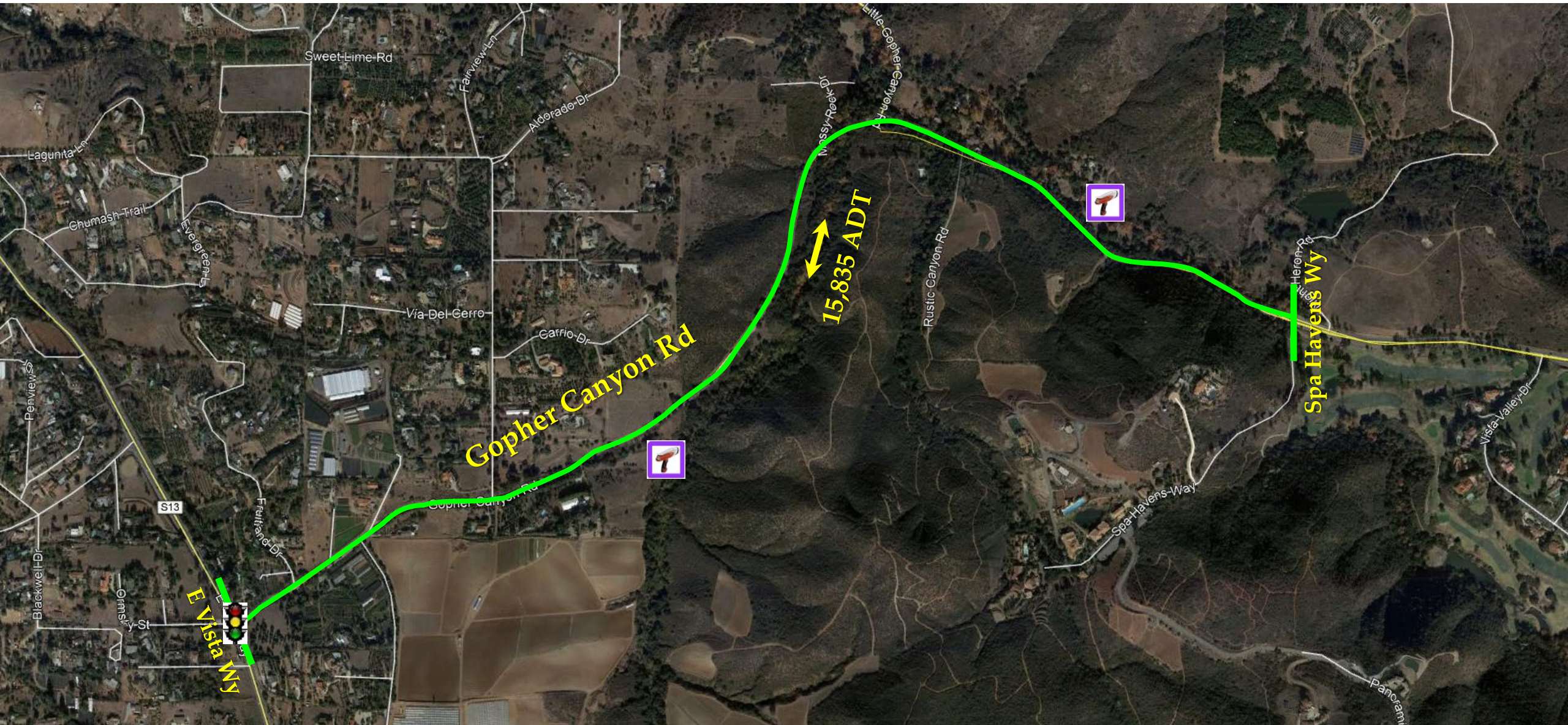
DATA ANALYSIS

Average Speed	50.7	Range	41 - 62
50th Percentile	50.0	10 mph Pace	45 - 54
85th Percentile	53.8	Number in Pace	418
90th Percentile	54.9	Percent in Pace	83%
95th Percentile	57.3		

5-B. Radar Certification

Gopher Canyon Road

Spa Havens Way to East Vista Way (1.85 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item **5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Gopher Canyon Road from Spa Havens Way to East Vista Way (a distance of 1.85 miles) BONSALL (Thos. Bros. 1068-C6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Gopher Canyon Road from Old Highway 395 to Spa Havens Way is currently posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 45 MPH speed.

Existing Traffic Devices

Gopher Canyon Road is a striped two-lane through highway with a 24 foot travelled way on a 28 to 82 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is a 7 ton weight restricted road. There are curve, intersection, slide area, and turn advisory warning signs along the roadway. Gopher Canyon Road is classified as a Major Road on the County General Plan Mobility Element Network. It is currently posted 45 MPH Radar Enforced.

Average Daily Traffic Volumes

Gopher Canyon Road:

	<u>05/21</u>	<u>05/13</u>
500' W/o Little Gopher Canyon Road	15,835	14,990

Speed Data

Gopher Canyon Road:

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
1,000' E/o Rustic Canyon Road	(2021)	52.1 MPH	44-53	73.0%
1,540' E/o Fairview Drive	(2021)	48.2 MPH	40-49	75.0%
	(2013)	48.3 MPH	40-49	79.9%
Speed Zone	(2021)	50.2 MPH	42-51	74.0%

Collision Data

There have been 43 reported collisions along this segment of roadway, 19 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in

a segment accident rate of 1.34 collisions per million vehicle miles. The statewide average is 1.19 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than or equal to 55 MPH.

VOLUME

Gopher Canyon Rd 500' W/O Little Gopher Canyon Rd

Day: Thursday
Date: 5/27/2021City: Bonsall
Project #: CA21_040084_009

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,087	7,748						15,835
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			7	15	22		12:00			97	96	193							
00:15			7	9	16		12:15			102	107	209							
00:30			7	11	18		12:30			99	72	171							
00:45			3	24	12	68	12:45			121	419	106	381	227	800				
01:00			8	7	15		13:00			99	91	190							
01:15			6	10	16		13:15			124	113	237							
01:30			4	4	8		13:30			115	97	212							
01:45			2	20	7	46	13:45			126	464	107	408	233	872				
02:00			3	0	3		14:00			133	100	233							
02:15			2	1	3		14:15			173	109	282							
02:30			2	3	5		14:30			145	128	273							
02:45			7	14	9	20	14:45			185	636	130	467	315	1103				
03:00			3	6	9		15:00			191	160	351							
03:15			5	7	12		15:15			212	147	359							
03:30			10	6	16		15:30			213	149	362							
03:45			12	30	20	57	15:45			206	822	134	590	340	1412				
04:00			16	8	24		16:00			177	158	335							
04:15			18	14	32		16:15			186	168	354							
04:30			26	22	48		16:30			186	168	354							
04:45			30	90	54	158	16:45			173	722	148	642	321	1364				
05:00			39	31	70		17:00			191	173	364							
05:15			47	42	89		17:15			198	168	366							
05:30			76	55	131		17:30			194	195	389							
05:45			89	251	167	457	17:45			145	728	170	706	315	1434				
06:00			82	75	157		18:00			155	145	300							
06:15			115	99	214		18:15			132	141	273							
06:30			97	142	239		18:30			90	124	214							
06:45			121	415	275	885	18:45			94	471	97	507	191	978				
07:00			102	133	235		19:00			82	62	144							
07:15			123	179	302		19:15			86	73	159							
07:30			139	181	320		19:30			78	88	166							
07:45			135	499	324	1181	19:45			86	332	68	291	154	623				
08:00			133	143	276		20:00			60	57	117							
08:15			96	134	230		20:15			58	59	117							
08:30			101	117	218		20:30			55	66	121							
08:45			122	452	237	961	20:45			67	240	34	216	101	456				
09:00			82	87	169		21:00			45	34	79							
09:15			91	95	186		21:15			45	59	104							
09:30			101	105	206		21:30			41	60	101							
09:45			108	382	220	781	21:45			44	175	46	199	90	374				
10:00			111	100	211		22:00			45	25	70							
10:15			71	100	171		22:15			35	34	69							
10:30			105	76	181		22:30			18	29	47							
10:45			78	365	165	728	22:45			19	117	21	109	40	226				
11:00			75	89	164		23:00			22	21	43							
11:15			81	82	163		23:15			19	17	36							
11:30			112	98	210		23:30			13	20	33							
11:45			84	352	175	712	23:45			13	67	14	72	27	139				
TOTALS			2894	3160	6054		TOTALS			5193	4588	9781							
SPLIT %			47.8%	52.2%	38.2%		SPLIT %			53.1%	46.9%	61.8%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,087	7,748						15,835
AM Peak Hour			07:15	07:15	07:15		PM Peak Hour			15:00	17:00	16:45							
AM Pk Volume			530	692	1222		PM Pk Volume			822	706	1440							
Pk Hr Factor			0.953	0.915	0.943		Pk Hr Factor			0.965	0.905	0.925							
7 - 9 Volume	0	0	951	1191	2142		4 - 6 Volume	0	0	1450	1348	2798							
7 - 9 Peak Hour			07:15	07:15	07:15		4 - 6 Peak Hour			16:45	17:00	16:45							
7 - 9 Pk Volume	0	0	530	692	1222		4 - 6 Pk Volume	0	0	756	706	1440							
Pk Hr Factor	0.000	0.000	0.953	0.915	0.943		Pk Hr Factor	0.000	0.000	0.955	0.905	0.925							



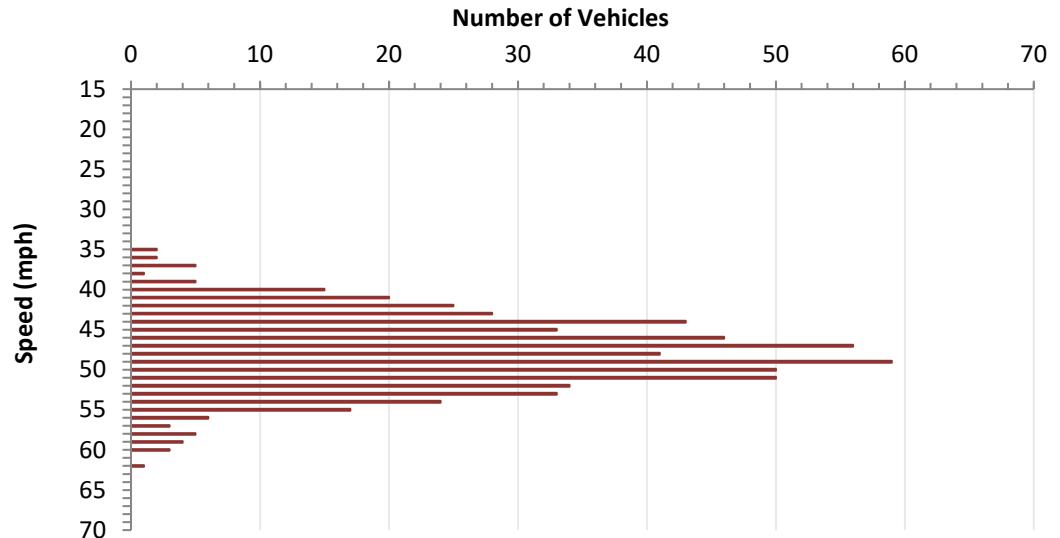
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

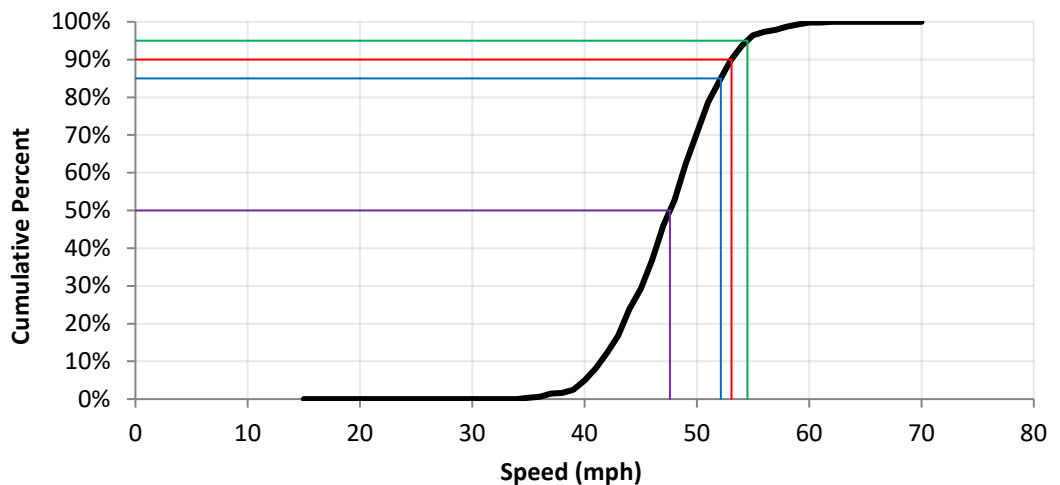
Road Name:	Gopher Canyon Rd	From:	Spa Havens Way	To:	East Vista Way
Position:	1,000' E/o Rustic Canyon Rd	Direction:	EB/WB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-013
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	45 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	2	0.3%
36	2	0.7%
37	5	1.5%
38	1	1.6%
39	5	2.5%
40	15	4.9%
41	20	8.2%
42	25	12.3%
43	28	16.9%
44	43	23.9%
45	33	29.3%
46	46	36.8%
47	56	46.0%
48	41	52.7%
49	59	62.4%
50	50	70.5%
51	50	78.7%
52	34	84.3%
53	33	89.7%
54	24	93.6%
55	17	96.4%
56	6	97.4%
57	3	97.9%
58	5	98.7%
59	4	99.3%
60	3	99.8%
61		



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

DATA ANALYSIS

62	1	100.0%	Average Speed	47.9	Range	35 - 62
63			50th Percentile	47.6	10 mph Pace	44 - 53
64			85th Percentile	52.1	Number in Pace	445
65			90th Percentile	53.1	Percent in Pace	73%
66			95th Percentile	54.5		
67						
68						
69						
70						
Total	611					



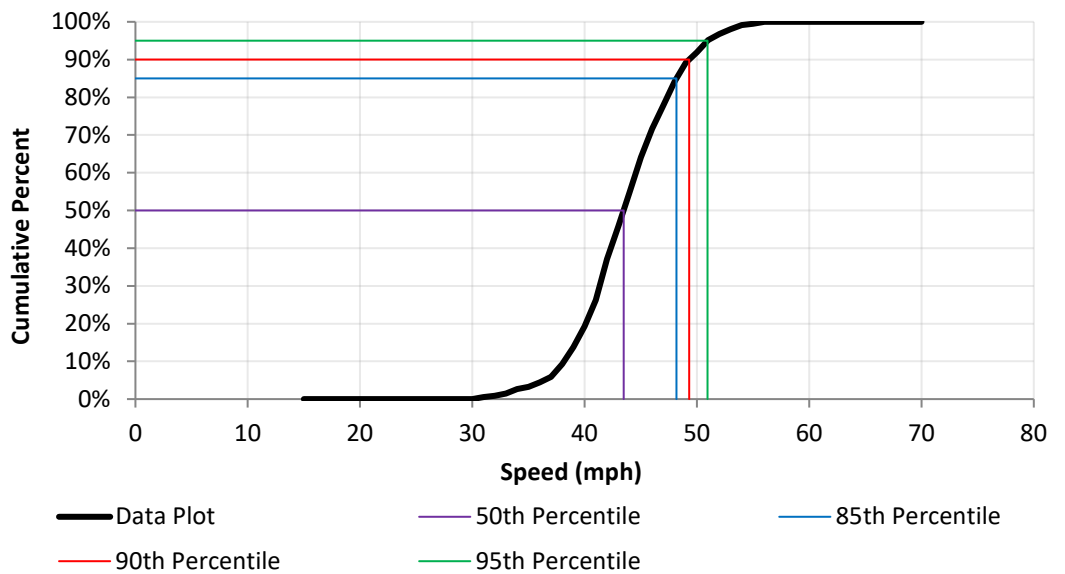
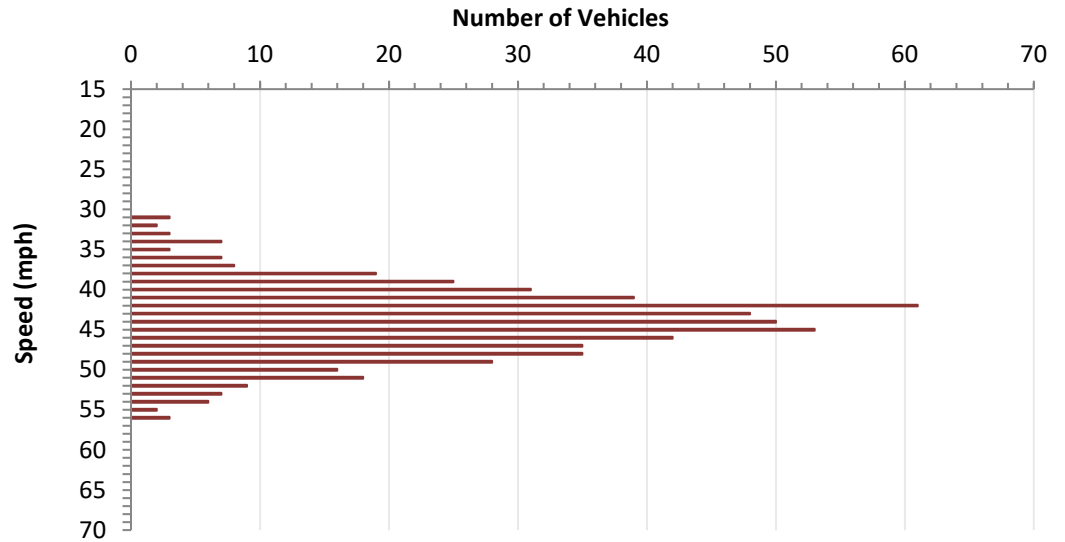
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gopher Canyon Rd	From:	Spa Havens Way	To:	East Vista Way
Position:	1,540' E/o Fairview Dr	Direction:	EB/WB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-014
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	45 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	3	0.5%
32	2	0.9%
33	3	1.4%
34	7	2.7%
35	3	3.2%
36	7	4.5%
37	8	5.9%
38	19	9.3%
39	25	13.8%
40	31	19.3%
41	39	26.3%
42	61	37.1%
43	48	45.7%
44	50	54.6%
45	53	64.1%
46	42	71.6%
47	35	77.9%
48	35	84.1%
49	28	89.1%
50	16	92.0%
51	18	95.2%
52	9	96.8%
53	7	98.0%
54	6	99.1%
55	2	99.5%
56	3	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	560	



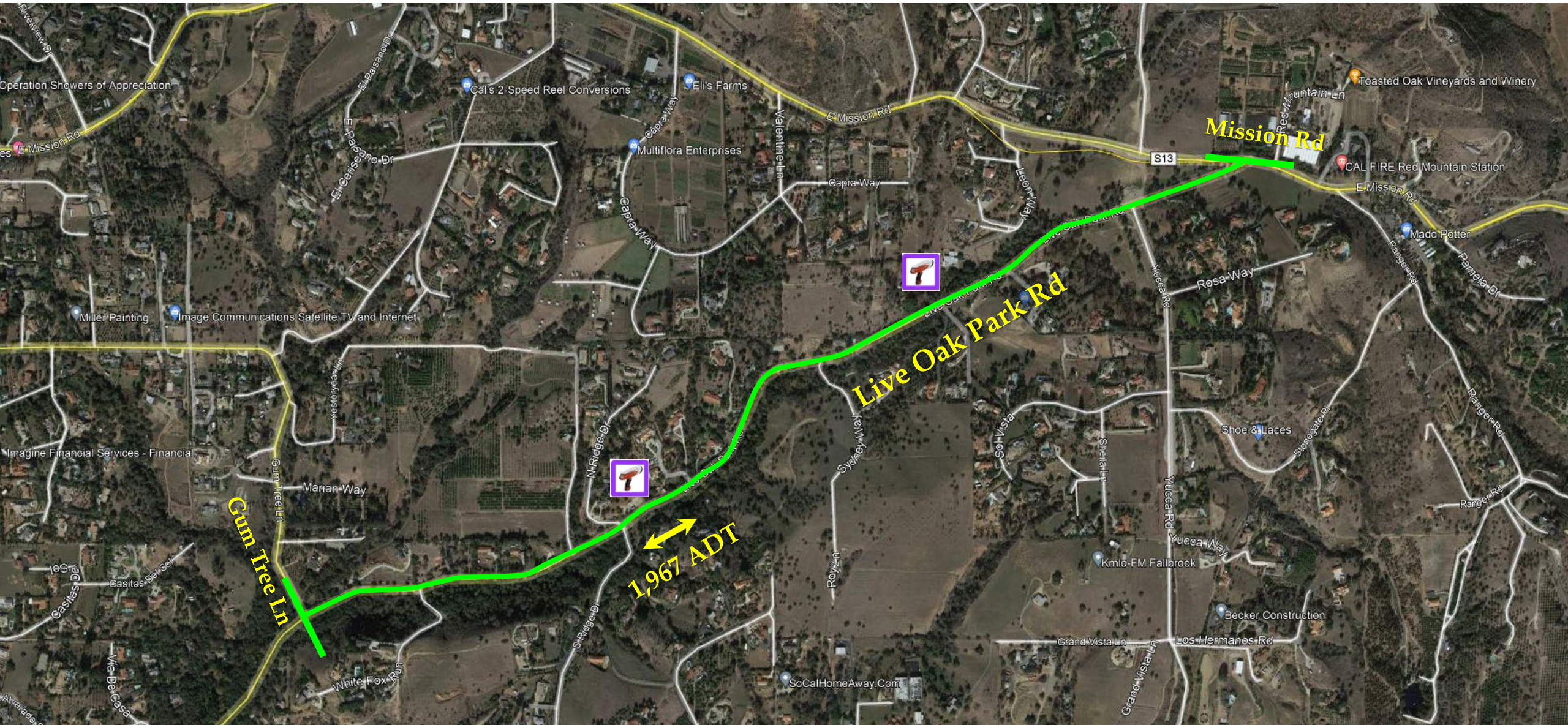
DATA ANALYSIS

Average Speed	44.1	Range	31 - 56
50th Percentile	43.5	10 mph Pace	40 - 49
85th Percentile	48.2	Number in Pace	422
90th Percentile	49.3	Percent in Pace	75%
95th Percentile	50.9		

5-C. Radar Certification

Live Oak Park Road

Mission Road to Gum Tree Lane (1.42 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 5-C

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Live Oak Park Road from Mission Road to Gum Tree Lane (a distance of 1.42 miles) FALLBROOK (Thos. Bros. 1028-E1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Live Oak Park Road from Mission Road to Gum Tree Lane is currently posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 40 MPH speed.

Existing Traffic Devices

Live Oak Park Road is a striped two-lane local roadway with a 24 foot travelled way on a 24 foot road bed. The roadway is striped with a no passing centerline. There are height, school bus stop, slide area, and turn advisory warning signs along the roadway. Live Oak Park Road is unclassified on the County General Plan Mobility Element Network. It is currently posted 40 MPH Radar Enforced.

Average Daily Traffic Volumes

Live Oak Park Road:

100' N/o Ridge Drive

05/21

1,967

12/12

2,590

Speed Data

Live Oak Park Road:

1,500' S/o Yucca Road

(2021)

**85th
Percentile**

46.8 MPH

**10 MPH
Pace**

38-47

**% in
Pace**

71.0%

100' N/o Ridge Drive

(2021)

43.8 MPH

35-44

72.0%

(2012)

42.0 MPH

32-41

70.4%

Speed Zone

(2021)

45.3 MPH

37-46

71.5%

Collision Data

There have been 10 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 3.28 collisions per million vehicle miles. The statewide average

is 1.60 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME

Live Oak Park Rd 100' N/O Ridge Dr

Day: Thursday
Date: 5/27/2021City: Fallbrook
Project #: CA21_040084_016

DAILY TOTALS					NB	SB						EB	WB						Total
					1,029	938						0	0						1,967
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00	3	2			5		12:00	17	20			37							
00:15	2	0			2		12:15	13	11			24							
00:30	1	0			1		12:30	18	18			36							
00:45	0	6	0	2	0	8	12:45	12	60	23	72	35	132						
01:00	0	0			0		13:00	25	15			40							
01:15	0	0			0		13:15	25	14			39							
01:30	0	0			0		13:30	10	20			30							
01:45	0	0			0		13:45	10	70	30	79	40	149						
02:00	0	0			0		14:00	11	20			31							
02:15	0	1			1		14:15	30	21			51							
02:30	3	0			3		14:30	22	16			38							
02:45	0	3	0	1	0	4	14:45	21	84	14	71	35	155						
03:00	2	0			2		15:00	19	17			36							
03:15	0	0			0		15:15	20	21			41							
03:30	1	0			1		15:30	22	18			40							
03:45	1	4	0		1	4	15:45	19	80	25	81	44	161						
04:00	1	0			1		16:00	21	16			37							
04:15	5	0			5		16:15	29	22			51							
04:30	5	2			7		16:30	28	14			42							
04:45	1	12	0	2	1	14	16:45	21	99	14	66	35	165						
05:00	6	0			6		17:00	17	19			36							
05:15	7	3			10		17:15	18	11			29							
05:30	10	2			12		17:30	10	16			26							
05:45	7	30	7	12	14	42	17:45	9	54	16	62	25	116						
06:00	12	8			20		18:00	9	16			25							
06:15	13	5			18		18:15	12	9			21							
06:30	13	10			23		18:30	8	13			21							
06:45	15	53	23	46	38	99	18:45	7	36	13	51	20	87						
07:00	18	15			33		19:00	8	11			19							
07:15	19	29			48		19:15	7	7			14							
07:30	21	24			45		19:30	9	5			14							
07:45	20	78	25	93	45	171	19:45	8	32	7	30	15	62						
08:00	16	17			33		20:00	8	8			16							
08:15	31	13			44		20:15	11	2			13							
08:30	15	18			33		20:30	6	11			17							
08:45	15	77	16	64	31	141	20:45	5	30	2	23	7	53						
09:00	15	12			27		21:00	7	5			12							
09:15	13	9			22		21:15	2	5			7							
09:30	13	12			25		21:30	2	8			10							
09:45	16	57	16	49	32	106	21:45	3	14	5	23	8	37						
10:00	13	14			27		22:00	3	5			8							
10:15	20	8			28		22:15	1	2			3							
10:30	20	12			32		22:30	2	3			5							
10:45	19	72	6	40	25	112	22:45	3	9	1	11	4	20						
11:00	15	10			25		23:00	0	3			3							
11:15	20	14			34		23:15	0	1			1							
11:30	15	17			32		23:30	1	0			1							
11:45	16	66	15	56	31	122	23:45	2	3	0	4	2	7						
TOTALS	458	365			823		TOTALS	571	573			1144							
SPLIT %	55.7%	44.3%			41.8%		SPLIT %	49.9%	50.1%			58.2%							

DAILY TOTALS					NB	SB						EB	WB						Total
					1,029	938						0	0						1,967
AM Peak Hour	07:30	07:15			07:00		PM Peak Hour	16:00	13:30			15:45							
AM Pk Volume	88	95			171		PM Pk Volume	99	91			174							
Pk Hr Factor	0.710	0.819			0.891		Pk Hr Factor	0.853	0.758			0.853							
7 - 9 Volume	155	157	0	0	312		4 - 6 Volume	153	128	0	0	281							
7 - 9 Peak Hour	07:30	07:15			07:00		4 - 6 Peak Hour	16:00	16:15			16:00							
7 - 9 Pk Volume	88	95	0	0	171		4 - 6 Pk Volume	99	69	0	0	165							
Pk Hr Factor	0.710	0.819	0.000	0.000	0.891		Pk Hr Factor	0.853	0.784	0.000	0.000	0.809							



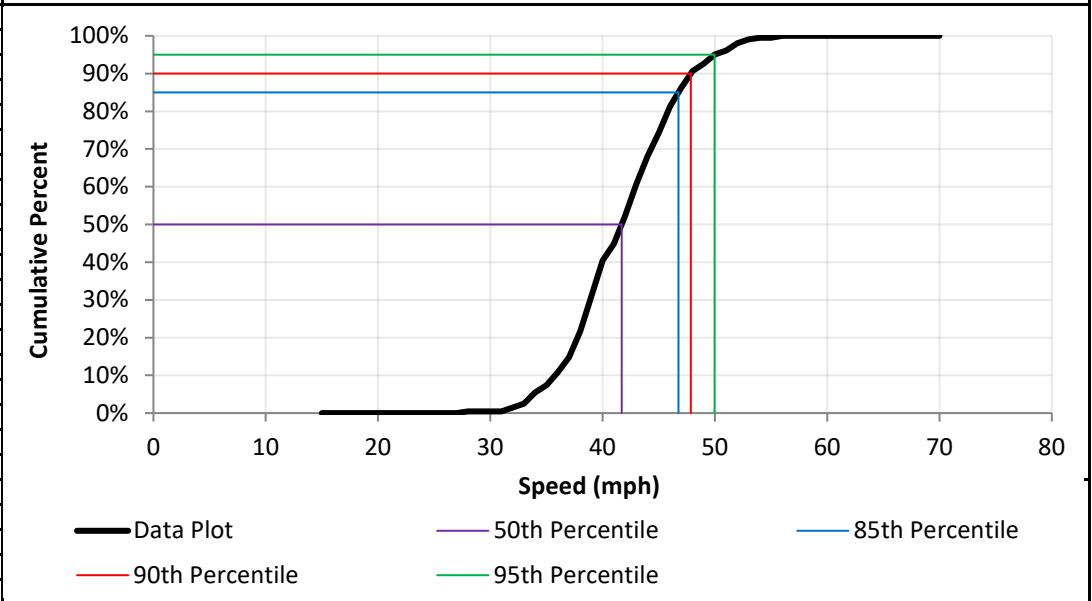
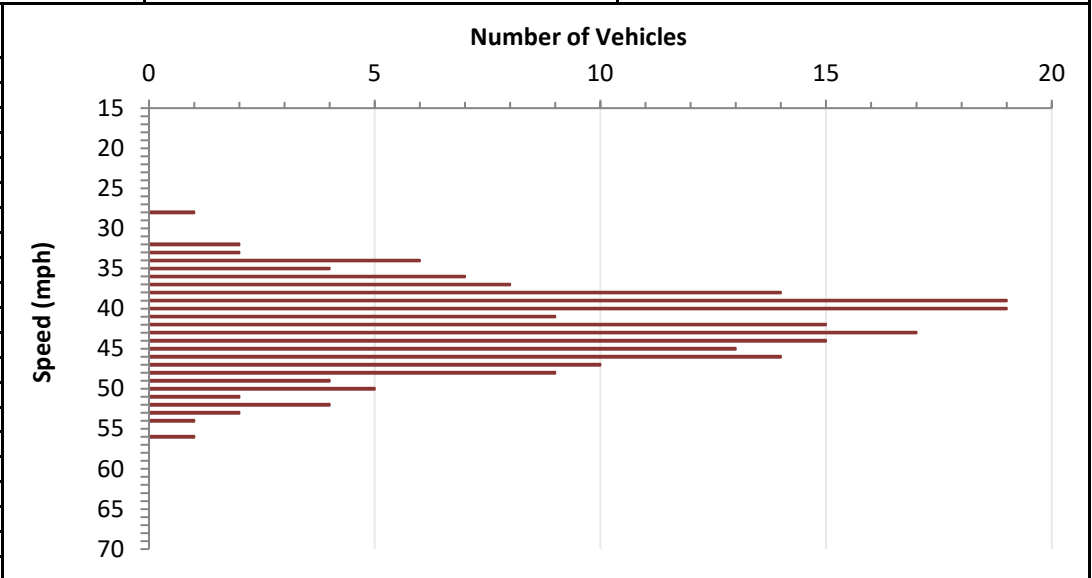
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Live Oak Park Rd	From:	Mission Rd	To:	Gum Tree Ln
Position:	1500' S/o Yucca Rd	Direction:	NB/SB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-024
Time Start:	11:20 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	40 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	1	0.5%
29		
30		
31		
32	2	1.5%
33	2	2.5%
34	6	5.4%
35	4	7.4%
36	7	10.8%
37	8	14.8%
38	14	21.7%
39	19	31.0%
40	19	40.4%
41	9	44.8%
42	15	52.2%
43	17	60.6%
44	15	68.0%
45	13	74.4%
46	14	81.3%
47	10	86.2%
48	9	90.6%
49	4	92.6%
50	5	95.1%
51	2	96.1%
52	4	98.0%
53	2	99.0%
54	1	99.5%
55		
56	1	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	203	



DATA ANALYSIS

Average Speed	42.2	Range	28 - 56
50th Percentile	41.7	10 mph Pace	38 - 47
85th Percentile	46.8	Number in Pace	145
90th Percentile	47.9	Percent in Pace	71%
95th Percentile	50.0		



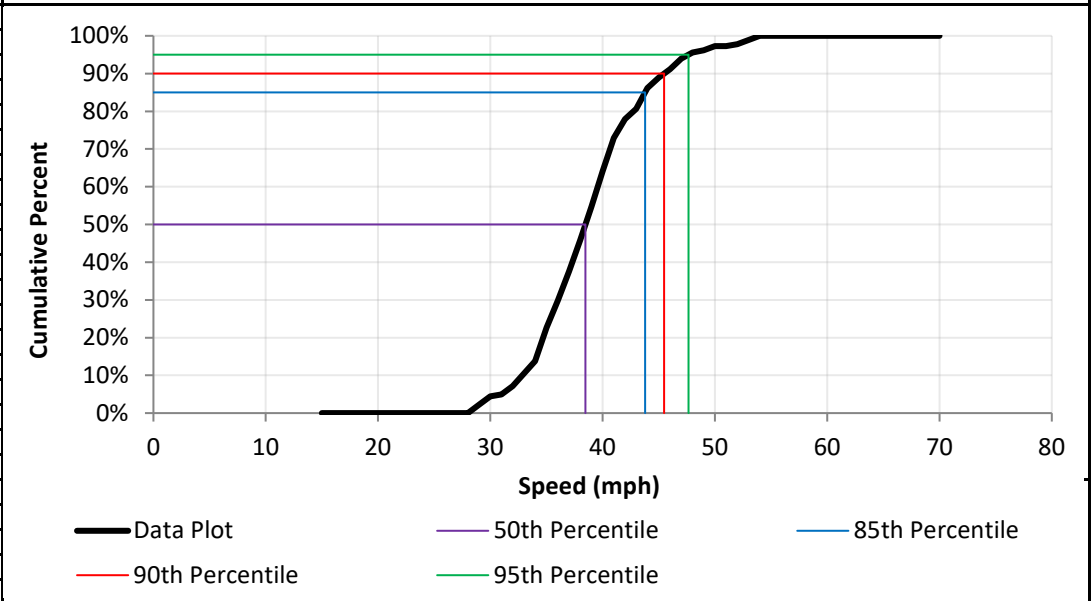
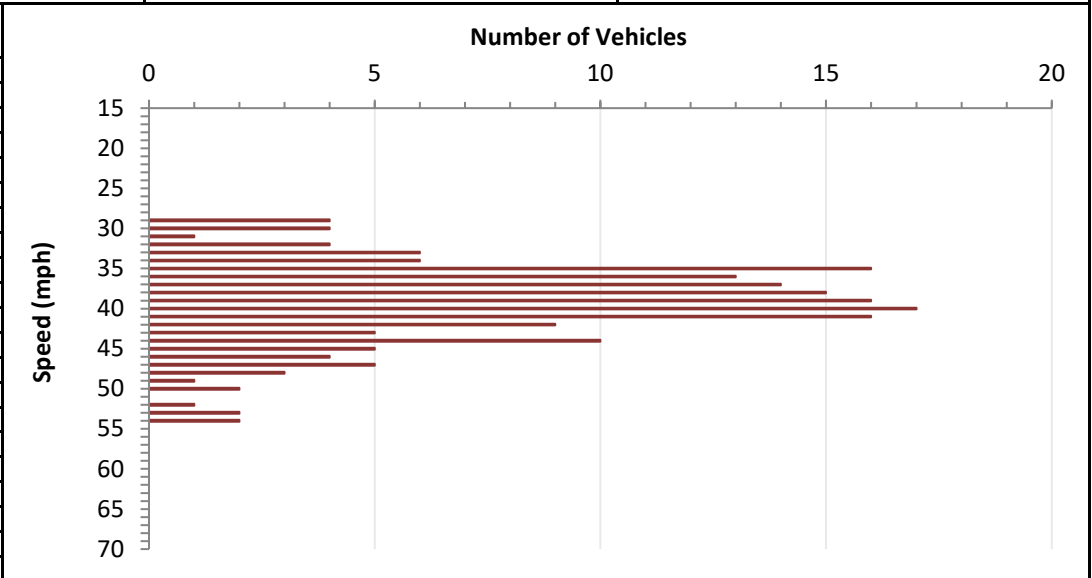
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Live Oak Park Rd	From:	Mission Rd	To:	Gum Tree Ln
Position:	100' N/o Ridge Dr	Direction:	NB/SB		

Date:	5/26/2021	Weather:	Clear	Project Number:	21-040085-022
Time Start:	9:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:15 AM	Posted Speed:	40 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	4	2.2%
30	4	4.4%
31	1	5.0%
32	4	7.2%
33	6	10.5%
34	6	13.8%
35	16	22.7%
36	13	29.8%
37	14	37.6%
38	15	45.9%
39	16	54.7%
40	17	64.1%
41	16	72.9%
42	9	77.9%
43	5	80.7%
44	10	86.2%
45	5	89.0%
46	4	91.2%
47	5	93.9%
48	3	95.6%
49	1	96.1%
50	2	97.2%
51		
52	1	97.8%
53	2	98.9%
54	2	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	181	



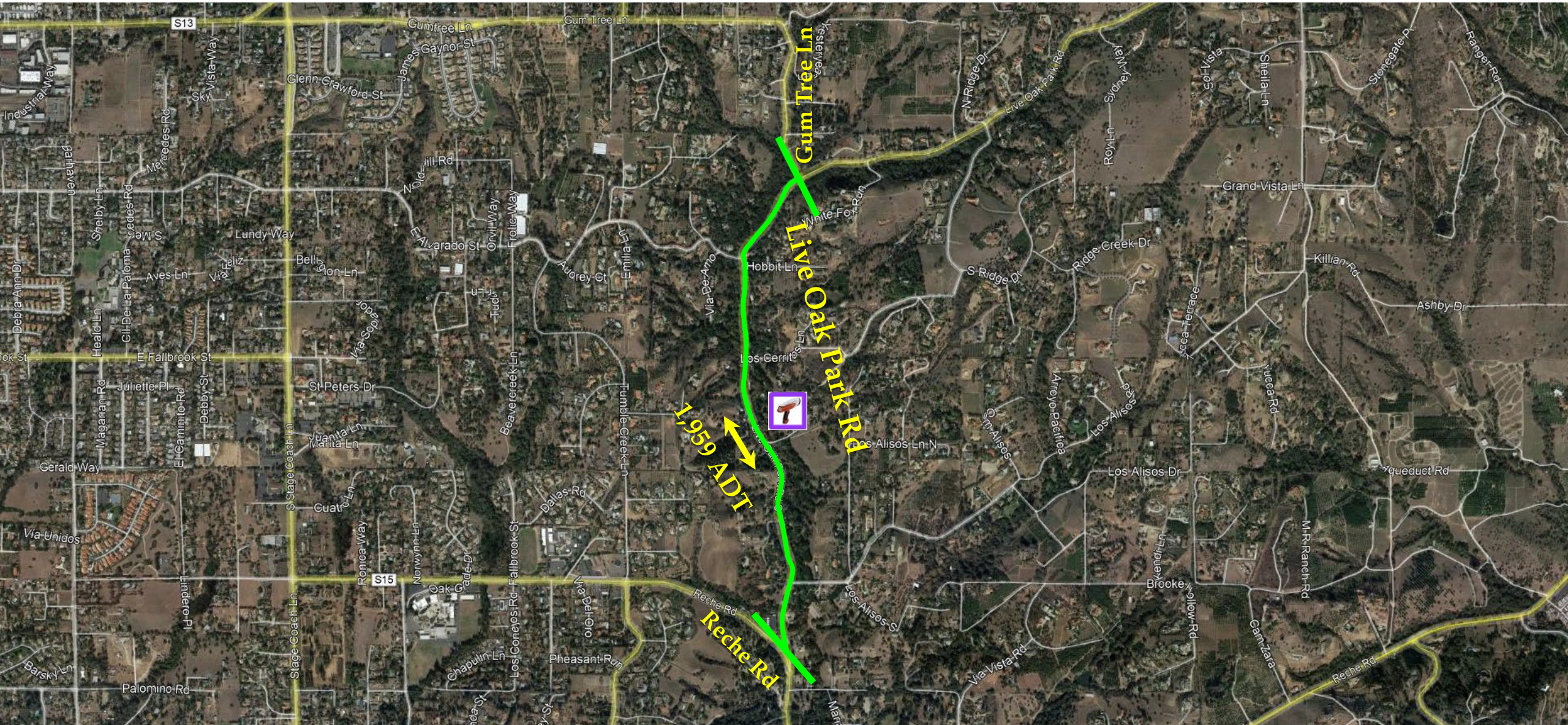
DATA ANALYSIS

Average Speed	39.3	Range	29 - 54
50th Percentile	38.5	10 mph Pace	35 - 44
85th Percentile	43.8	Number in Pace	131
90th Percentile	45.5	Percent in Pace	72%
95th Percentile	47.7		

5-D. Radar Certification

Live Oak Park Road

Gum Tree Lane to Reche Road (1.16 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021

Item 5-D

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Live Oak Park Road from Gum Tree Lane to Reche Road (a distance of 1.16 miles) FALLBROOK (Thos. Bros. 1028-B2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Live Oak Park Road from Gum Tree Lane Reche Road is currently posted 35 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 35 MPH speed.

Existing Traffic Devices

Live Oak Park Road is a striped two-lane local roadway with a 24 foot travelled way on a 24 foot road bed. The roadway is striped with a no passing centerline. There are height, school bus stop, slide area, and turn advisory warning signs along the roadway. Live Oak Park Road is unclassified on the County General Plan Mobility Element Network. It is currently posted 35 MPH Radar Enforced.

Average Daily Traffic Volumes

Live Oak Park Road:

860' S/o Los Cerritos Lane

05/21

1,959

12/12

1,900

Speed Data

Live Oak Park Road:

860' S/o Los Cerritos Lane

**85th
Percentile**

(2021) 40.8 MPH
(2012) 39.0 MPH

**10 MPH
Pace**

32-41
28-37

**% in
Pace**

77.0%
68.3%

Collision Data

There have been 8 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 3.22 collisions per million vehicle miles. The statewide average is 1.60 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME

Live Oak Park Rd 860' S/O Los Cerritos Ln

Day: Thursday
Date: 5/27/2021City: Fallbrook
Project #: CA21_040084_017

DAILY TOTALS					NB	SB						EB	WB	Total
					976	983						0	0	1,959
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	1	0			1	12:00	11	20			31			
00:15	1	1			2	12:15	13	16			29			
00:30	2	2			4	12:30	15	22			37			
00:45	0	4	0	3	0	12:45	16	55	27	85	43	140		
01:00	0	0			0	13:00	23	25			48			
01:15	0	1			1	13:15	23	17			40			
01:30	1	1			2	13:30	14	14			28			
01:45	0	1	0	2	0	13:45	15	75	20	76	35	151		
02:00	0	0			0	14:00	16	23			39			
02:15	0	0			0	14:15	23	16			39			
02:30	0	0			0	14:30	28	14			42			
02:45	0	0			0	14:45	19	86	16	69	35	155		
03:00	0	0			0	15:00	17	23			40			
03:15	0	0			0	15:15	21	25			46			
03:30	0	0			0	15:30	26	17			43			
03:45	0	0			0	15:45	26	90	18	83	44	173		
04:00	0	0			0	16:00	23	16			39			
04:15	1	0			1	16:15	33	13			46			
04:30	2	1			3	16:30	17	30			47			
04:45	0	3	2	3	2	16:45	26	99	12	71	38	170		
05:00	1	2			3	17:00	17	14			31			
05:15	2	5			7	17:15	17	15			32			
05:30	1	5			6	17:30	13	18			31			
05:45	5	9	6	18	11	17:45	14	61	13	60	27	121		
06:00	5	9			14	18:00	8	8			16			
06:15	3	5			8	18:15	11	20			31			
06:30	7	8			15	18:30	4	11			15			
06:45	9	24	17	39	26	18:45	13	36	9	48	22	84		
07:00	15	19			34	19:00	16	15			31			
07:15	15	25			40	19:15	7	3			10			
07:30	20	37			57	19:30	11	4			15			
07:45	24	74	21	102	45	19:45	13	47	7	29	20	76		
08:00	21	21			42	20:00	11	9			20			
08:15	22	25			47	20:15	7	4			11			
08:30	12	13			25	20:30	6	6			12			
08:45	11	66	21	80	32	20:45	9	33	5	24	14	57		
09:00	12	14			26	21:00	8	7			15			
09:15	10	15			25	21:15	6	2			8			
09:30	13	14			27	21:30	5	1			6			
09:45	18	53	13	56	31	21:45	0	19	3	13	3	32		
10:00	8	12			20	22:00	0	1			1			
10:15	21	15			36	22:15	2	5			7			
10:30	14	12			26	22:30	1	0			1			
10:45	18	61	10	49	28	22:45	3	6	3	9	6	15		
11:00	20	10			30	23:00	0	5			5			
11:15	16	14			30	23:15	4	1			5			
11:30	19	13			32	23:30	1	0			1			
11:45	13	68	21	58	34	23:45	1	6	0	6	1	12		
TOTALS	363	410			773	TOTALS	613	573			1186			
SPLIT %	47.0%	53.0%			39.5%	SPLIT %	51.7%	48.3%			60.5%			

DAILY TOTALS					NB	SB						EB	WB	Total
					976	983						0	0	1,959
AM Peak Hour	07:30	07:15			07:30	PM Peak Hour	15:30	12:30			15:45			
AM Pk Volume	87	104			191	PM Pk Volume	108	91			176			
Pk Hr Factor	0.906	0.703			0.838	Pk Hr Factor	0.818	0.843			0.936			
7 - 9 Volume	140	182	0	0	322	4 - 6 Volume	160	131	0	0	291			
7 - 9 Peak Hour	07:30	07:15			07:30	4 - 6 Peak Hour	16:00	16:00			16:00			
7 - 9 Pk Volume	87	104	0	0	191	4 - 6 Pk Volume	99	71	0	0	170			
Pk Hr Factor	0.906	0.703	0.000	0.000	0.838	Pk Hr Factor	0.750	0.592	0.000	0.000	0.904			



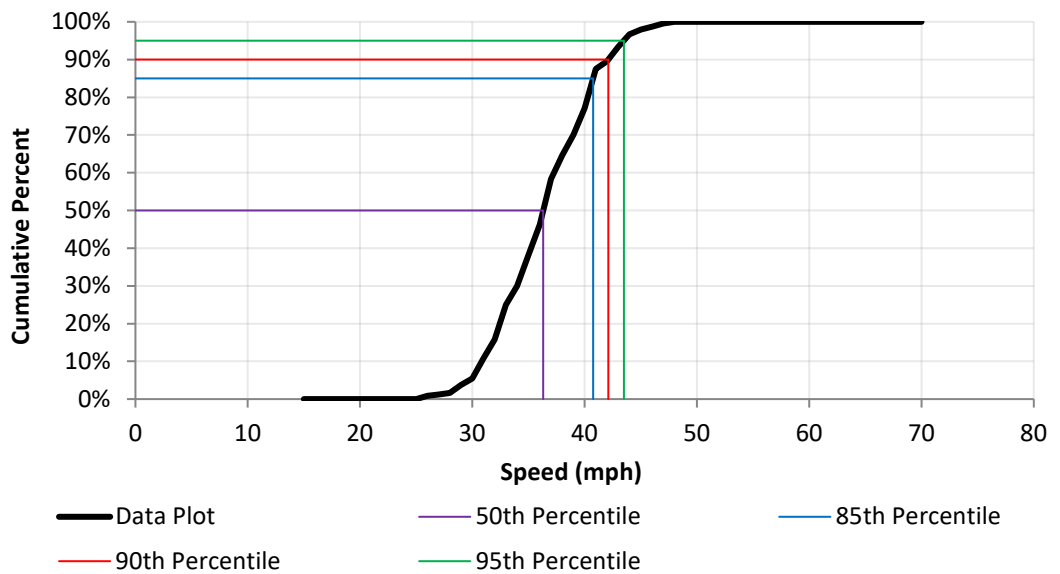
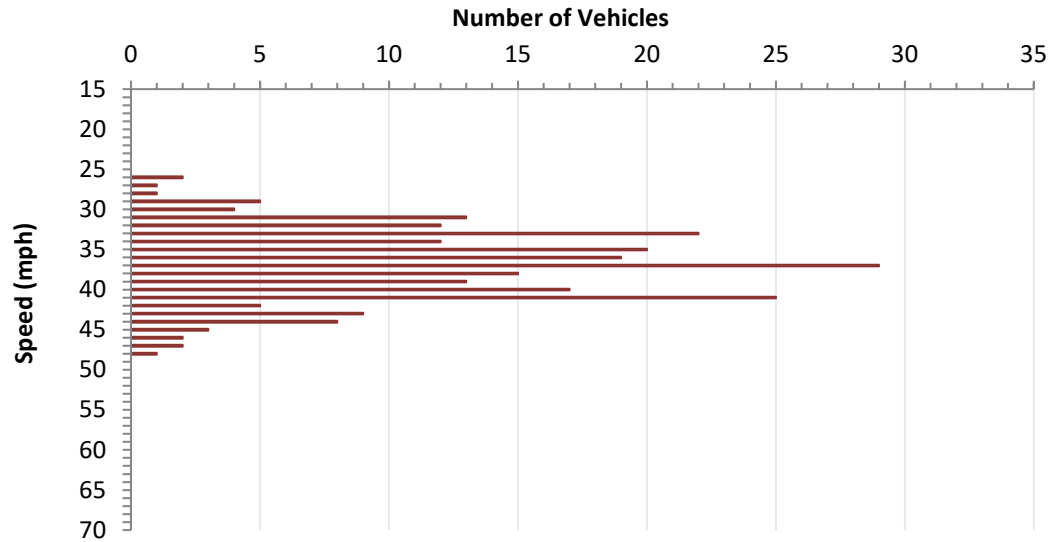
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Live Oak Park Rd	From:	Gum Tree Ln	To:	Reche Rd
Position:	860' S/o Los Cerritos Ln	Direction:	NB/SB		

Date:	5/27/2021	Weather:	Clear	Project Number:	21-040085-023
Time Start:	1:30 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:30 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	2	0.8%
27	1	1.3%
28	1	1.7%
29	5	3.8%
30	4	5.4%
31	13	10.8%
32	12	15.8%
33	22	25.0%
34	12	30.0%
35	20	38.3%
36	19	46.3%
37	29	58.3%
38	15	64.6%
39	13	70.0%
40	17	77.1%
41	25	87.5%
42	5	89.6%
43	9	93.3%
44	8	96.7%
45	3	97.9%
46	2	98.8%
47	2	99.6%
48	1	100.0%
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	240	



DATA ANALYSIS

Average Speed	36.9	Range	26 - 48
50th Percentile	36.3	10 mph Pace	32 - 41
85th Percentile	40.8	Number in Pace	184
90th Percentile	42.1	Percent in Pace	77%
95th Percentile	43.5		