

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

April 13, 2021

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the April 23, 2021 meeting of the Traffic Advisory Committee (TAC).

Social distancing is currently mandatory due to the COVID-19 pandemic. This TAC meeting on April 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,,215571211#](#) United States, San Diego

Phone Conference ID: 215 571 211#

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

April 23, 2021 ~ 9:00 AM

5510 Overland Ave, Room 271

San Diego CA, 92123

AGENDA

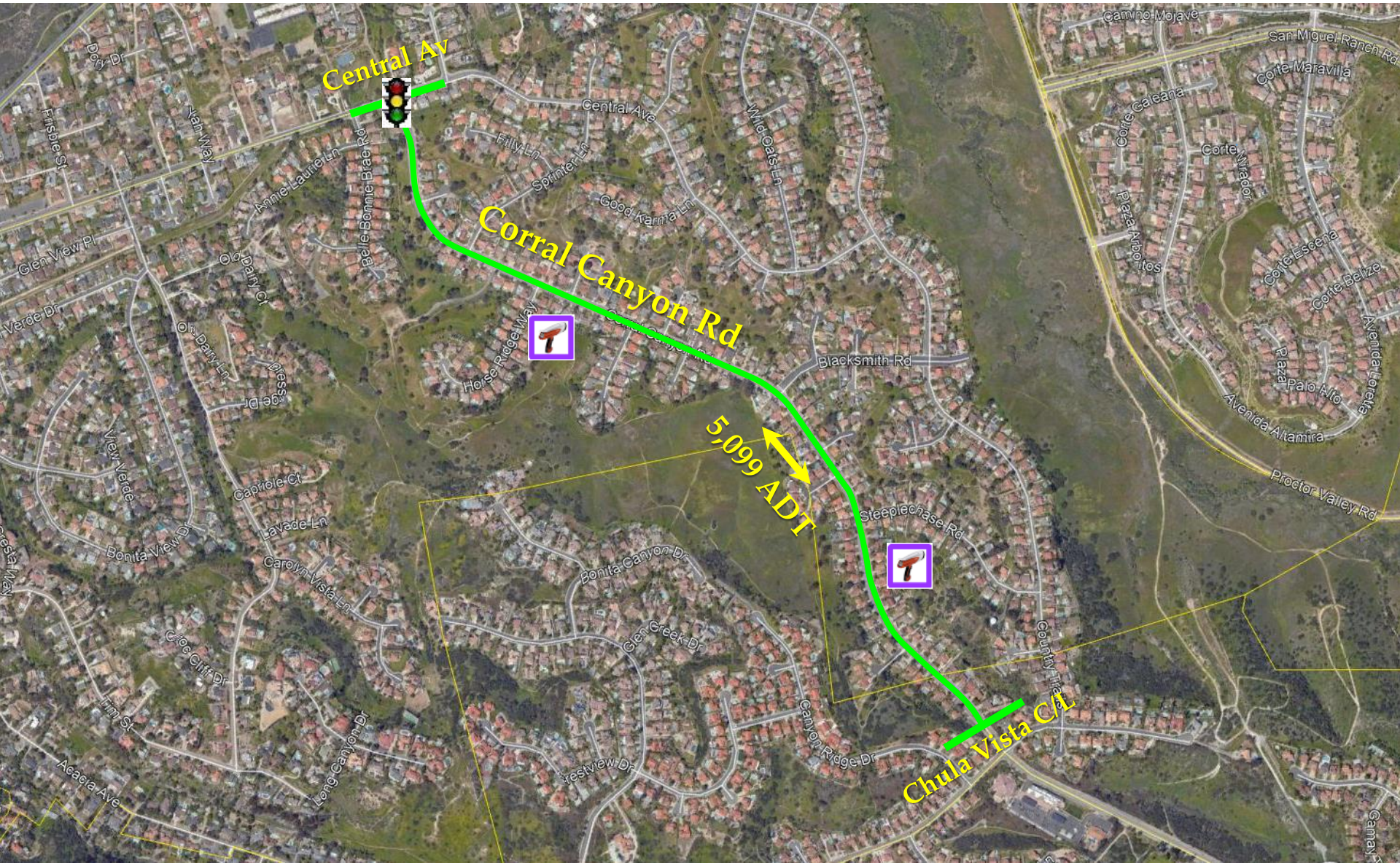
- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes**
- IV. Items for Review**

SUBJECT	LOCATION	AREA/ PLANNING/SPONSOR GROUP
<u>SUPERVISORIAL DISTRICT 1</u>		
1-A. RADAR CERTIFICATION	CORRAL CANYON ROAD CENTRAL AV TO CHULA VISTA CITY LIMIT	BONITA/ SWEETWATER CSG
<u>SUPERVISORIAL DISTRICT 2</u>		
2-A. RADAR CERTIFICATION	TAVERN ROAD VICTORIA PARK TR TO ARNOLD WY	ALPINE/ ALPINE CPG
2-B. RADAR CERTIFICATION	TAVERN ROAD ARNOLD WY TO SOUTH GRADE RD	ALPINE/ ALPINE CPG
2-C. BRIDGE WEIGHT LIMITS	764 N. GLEN OAKS DR	ALPINE/ ALPINE CPG
<u>SUPERVISORIAL DISTRICT 5</u>		
5-A. RADAR CERTIFICATION	ALVARADO STREET VINE ST TO STAGE COACH LN	FALLBROOK/ FALLBROOK CPG
5-B. RADAR CERTIFICATION	ALVARADO STREET STAGE COACH LN TO LIVE OAK PARK RD	FALLBROOK/ FALLBROOK CPG
5-C. RADAR CERTIFICATION	FALLBROOK STREET MAIN AV TO STAGE COACH LN	FALLBROOK/ FALLBROOK CPG
5-D. RADAR CERTIFICATION	EL CAMINO REAL LA ORILLA TO LINEA DEL CIELO	RANCHO SANTA FE/ SAN DIEGUITO CPG
5-E. RADAR CERTIFICATION	EL CAMINO REAL LINEA DEL CIELO TO SAN DIEGO CITY LIMIT	RANCHO SANTA FE/ SAN DIEGUITO CPG
5-F. BRIDGE WEIGHT LIMITS	MESA GRANDE ROAD 295' NORTH OF STATE ROUTE 79	SAN YSABEL/ N/A

1-A. Radar Certification

Corral Canyon Road

Central Avenue to Chula Vista city limit (1.19 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 1-A

SUPERVISORIAL DISTRICT: 1

SUBJECT: Radar Certification

LOCATION: Corral Canyon Road from Central Avenue to the Chula Vista city limit (near Country Vistas Lane) (a distance of 1.19 miles) BONITA (Thos. Bros. 1311-A1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Corral Canyon Road from Central Avenue to the Chula Vista city limit (near Country Vistas Lane) is posted 35 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 35 MPH speed limit.

Existing Traffic Devices

Corral Canyon Road is a striped two-lane divided through highway with a 33 foot travelled way on a 64 foot road bed. The roadway is striped with a two way left turn lane and bike lanes. There are three all way stops along this roadway segment. Corral Canyon Road has several traffic calming measures including oval median islands, speed advisory chicane, median channelization, and transverse rumble strips. The roadway is also posted with horse advisory signs, with trails crossing the roadway at a number of locations. Corral Canyon Road is classified as a Minor Collector on the County General Plan Mobility Element Network. The roadway is posted 35 MPH/Radar Enforced.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>08/13</u>
Corral Canyon Road:		
100' N/o Jockey Way	5,309	6,720
300' S/o Steeple Chase Road	4,888	6,220

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Corral Canyon Road:				
At Jockey Way	(2021)	38.0 MPH	30-39	80.0%
100' N/o Yearling Court	(2013)	39.0 MPH	30-39	78.0%
300' S/o Steeple Chase Rd	(2021)	35.7 MPH	28-37	79.0%
	(2013)	39.0 MPH	30-39	70.0%
Speed Zone	(2021)	36.9 MPH	29-38	79.5%

Collision Data

There have been 6 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 0.90 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

Corral Canyon Rd 100' N/O Jockey Way

Day: Tuesday
Date: 10/20/2020City: Bonita
Project #: CA20_040201_010

DAILY TOTALS					NB	SB						EB	WB	Total
					2,545	2,764						0	0	5,309
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00	2	0			2	12:00	34	40			74			
00:15	4	3			7	12:15	47	56			103			
00:30	1	1			2	12:30	39	32			71			
00:45	1	8	0	4	12	12:45	31	151	60	188	339			
01:00	0	0			0	13:00	44	42			86			
01:15	1	0			1	13:15	47	43			90			
01:30	2	0			2	13:30	57	47			104			
01:45	1	4	1	1	5	13:45	41	189	45	177	366			
02:00	0	1			1	14:00	43	41			84			
02:15	1	1			2	14:15	37	41			78			
02:30	2	2			4	14:30	41	54			95			
02:45	5	8	1	5	13	14:45	40	161	44	180	341			
03:00	0	0			0	15:00	47	61			108			
03:15	0	4			4	15:15	52	70			122			
03:30	1	0			1	15:30	57	68			125			
03:45	2	3	5	9	12	15:45	47	203	59	258	461			
04:00	5	1			6	16:00	37	63			100			
04:15	5	1			6	16:15	52	62			114			
04:30	6	4			10	16:30	43	79			122			
04:45	6	22	3	9	31	16:45	52	184	60	264	448			
05:00	11	2			13	17:00	56	79			135			
05:15	14	3			17	17:15	39	60			99			
05:30	16	4			20	17:30	44	64			108			
05:45	21	62	11	20	82	17:45	50	189	72	275	464			
06:00	25	8			33	18:00	29	71			100			
06:15	21	13			34	18:15	39	47			86			
06:30	24	7			31	18:30	38	57			95			
06:45	30	100	24	52	152	18:45	27	133	41	216	349			
07:00	42	20			62	19:00	24	38			62			
07:15	37	29			66	19:15	32	29			61			
07:30	47	32			79	19:30	26	25			51			
07:45	43	169	49	130	299	19:45	21	103	29	121	224			
08:00	29	41			70	20:00	25	33			58			
08:15	51	38			89	20:15	20	27			47			
08:30	39	40			79	20:30	25	29			54			
08:45	33	152	40	159	311	20:45	22	92	29	118	210			
09:00	50	27			77	21:00	10	21			31			
09:15	35	33			68	21:15	17	15			32			
09:30	48	51			99	21:30	11	11			22			
09:45	44	177	32	143	320	21:45	10	48	9	56	104			
10:00	39	40			79	22:00	8	12			20			
10:15	36	26			62	22:15	6	12			18			
10:30	32	48			80	22:30	9	12			21			
10:45	66	173	36	150	323	22:45	4	27	10	46	73			
11:00	34	34			68	23:00	4	10			14			
11:15	44	53			97	23:15	5	6			11			
11:30	45	30			75	23:30	4	3			7			
11:45	45	168	44	161	329	23:45	6	19	3	22	41			
TOTALS	1046	843			1889	TOTALS	1499	1921			3420			
SPLIT %	55.4%	44.6%			35.6%	SPLIT %	43.8%	56.2%			64.4%			

DAILY TOTALS			NB	SB	EB			WB	Total		
			2,545	2,764				0			
AM Peak Hour	10:45	11:45			10:30	PM Peak Hour	15:00	16:15			16:15
AM Pk Volume	189	172			347	PM Pk Volume	203	280			483
Pk Hr Factor	0.716	0.768			0.850	Pk Hr Factor	0.890	0.886			0.894
7 - 9 Volume	321	289	0	0	610	4 - 6 Volume	373	539	0	0	912
7 - 9 Peak Hour	07:30	07:45			07:30	4 - 6 Peak Hour	16:15	16:15			16:15
7 - 9 Pk Volume	170	168	0	0	330	4 - 6 Pk Volume	203	280	0	0	483
Pk Hr Factor	0.833	0.857	0.000	0.000	0.897	Pk Hr Factor	0.906	0.886	0.000	0.000	0.894

VOLUME

Corral Canyon Rd 300' S/O Steeplechase Rd

Day: Tuesday
Date: 10/20/2020City: Bonita
Project #: CA20_040201_011

DAILY TOTALS					NB	SB						EB	WB						Total
					2,346	2,542						0	0						4,888
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	2	1			3		12:00	34	41			75							75
00:15	4	1			5		12:15	56	51			107							107
00:30	2	2			4		12:30	41	30			71							71
00:45	0	8	0	4	0	12	12:45	34	165	50	172	84	337						337
01:00	1	0			1		13:00	49	43			92							92
01:15	1	0			1		13:15	54	46			100							100
01:30	0	1			1		13:30	51	44			95							95
01:45	0	2	3	4	3	6	13:45	42	196	45	178	87	374						374
02:00	1	0			1		14:00	46	36			82							82
02:15	1	0			1		14:15	36	42			78							78
02:30	2	1			3		14:30	50	45			95							95
02:45	5	9	2	3	7	12	14:45	43	175	50	173	93	348						348
03:00	0	0			0		15:00	34	54			88							88
03:15	0	4			4		15:15	57	62			119							119
03:30	0	0			0		15:30	51	57			108							108
03:45	1	1	4	8	5	9	15:45	41	183	63	236	104	419						419
04:00	4	1			5		16:00	35	51			86							86
04:15	5	0			5		16:15	63	60			123							123
04:30	4	4			8		16:30	37	76			113							113
04:45	4	17	3	8	7	25	16:45	52	187	54	241	106	428						428
05:00	8	2			10		17:00	49	73			122							122
05:15	7	2			9		17:15	43	47			90							90
05:30	7	6			13		17:30	37	60			97							97
05:45	13	35	9	19	22	54	17:45	59	188	69	249	128	437						437
06:00	12	7			19		18:00	27	65			92							92
06:15	18	15			33		18:15	37	48			85							85
06:30	14	7			21		18:30	40	51			91							91
06:45	21	65	20	49	41	114	18:45	23	127	48	212	71	339						339
07:00	31	16			47		19:00	31	35			66							66
07:15	31	23			54		19:15	25	24			49							49
07:30	37	36			73		19:30	23	17			40							40
07:45	31	130	48	123	79	253	19:45	23	102	30	106	53	208						208
08:00	30	39			69		20:00	17	26			43							43
08:15	36	37			73		20:15	17	22			39							39
08:30	35	38			73		20:30	21	25			46							46
08:45	31	132	35	149	66	281	20:45	20	75	18	91	38	166						166
09:00	39	27			66		21:00	12	19			31							31
09:15	32	31			63		21:15	18	12			30							30
09:30	36	43			79		21:30	10	10			20							20
09:45	40	147	34	135	74	282	21:45	8	48	6	47	14	95						95
10:00	35	27			62		22:00	7	9			16							16
10:15	36	35			71		22:15	9	9			18							18
10:30	31	47			78		22:30	8	9			17							17
10:45	56	158	39	148	95	306	22:45	4	28	5	32	9	60						60
11:00	33	29			62		23:00	3	8			11							11
11:15	50	42			92		23:15	3	7			10							10
11:30	38	26			64		23:30	5	3			8							8
11:45	33	154	39	136	72	290	23:45	3	14	1	19	4	33						33
TOTALS	858	786			1644		TOTALS	1488	1756			3244							3244
SPLIT %	52.2%	47.8%			33.6%		SPLIT %	45.9%	54.1%			66.4%							66.4%

DAILY TOTALS					NB	SB						EB	WB						Total
					2,346	2,542						0	0						4,888
AM Peak Hour	10:45	07:45			10:30		PM Peak Hour	16:15	16:15			16:15							16:15
AM Pk Volume	177	162			327		PM Pk Volume	201	263			464							464
Pk Hr Factor	0.790	0.844			0.861		Pk Hr Factor	0.798	0.865			0.943							0.943
7 - 9 Volume	262	272	0	0	534		4 - 6 Volume	375	490	0	0	865							865
7 - 9 Peak Hour	07:30	07:45			07:30		4 - 6 Peak Hour	16:15	16:15			16:15							16:15
7 - 9 Pk Volume	134	162	0	0	294		4 - 6 Pk Volume	201	263	0	0	464							464
Pk Hr Factor	0.905	0.844	0.000	0.000	0.930		Pk Hr Factor	0.798	0.865	0.000	0.000	0.943							0.943



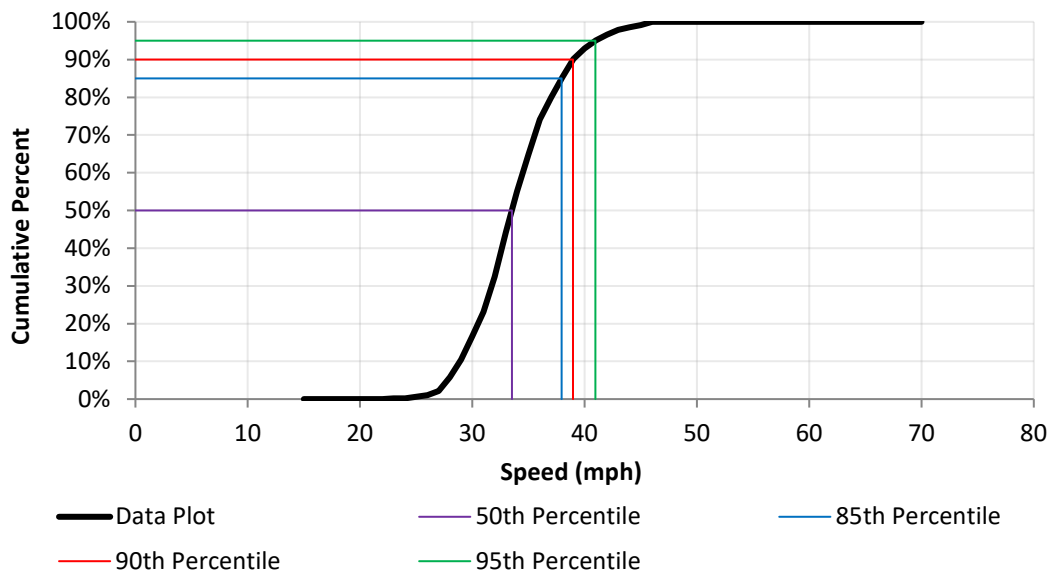
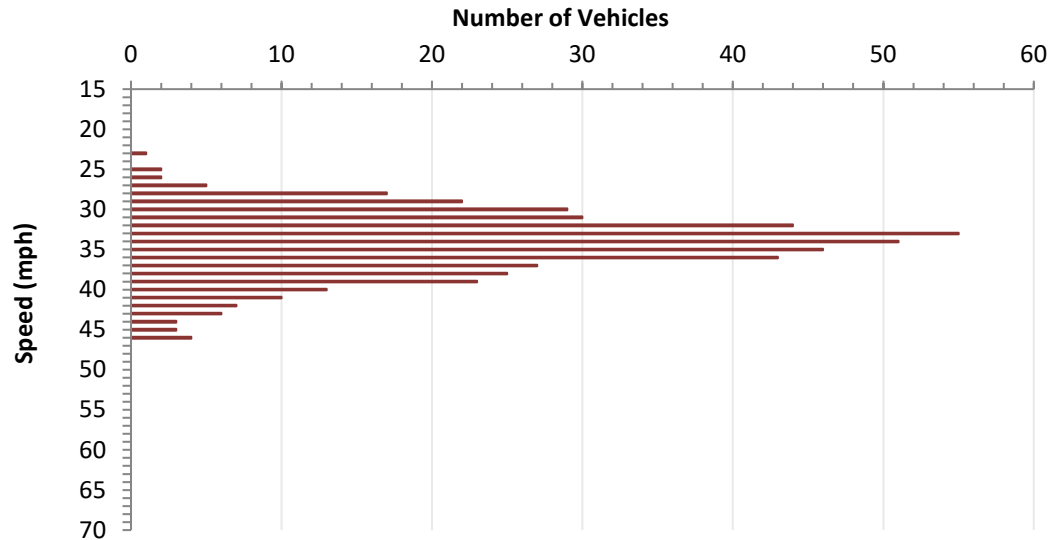
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Corral Canyon Rd	From:	Central Av	To:	Chula Vista city limit
Position:	@ Jockey Wy	Direction:	EB/WB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-011
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		
21		
22		
23	1	0.2%
24		
25	2	0.6%
26	2	1.1%
27	5	2.1%
28	17	5.8%
29	22	10.5%
30	29	16.7%
31	30	23.1%
32	44	32.5%
33	55	44.2%
34	51	55.1%
35	46	65.0%
36	43	74.1%
37	27	79.9%
38	25	85.3%
39	23	90.2%
40	13	92.9%
41	10	95.1%
42	7	96.6%
43	6	97.9%
44	3	98.5%
45	3	99.1%
46	4	100.0%
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	468	



DATA ANALYSIS

Average Speed	34.3	Range	23 - 46
50th Percentile	33.5	10 mph Pace	30 - 39
85th Percentile	38.0	Number in Pace	373
90th Percentile	39.0	Percent in Pace	80%
95th Percentile	41.0		



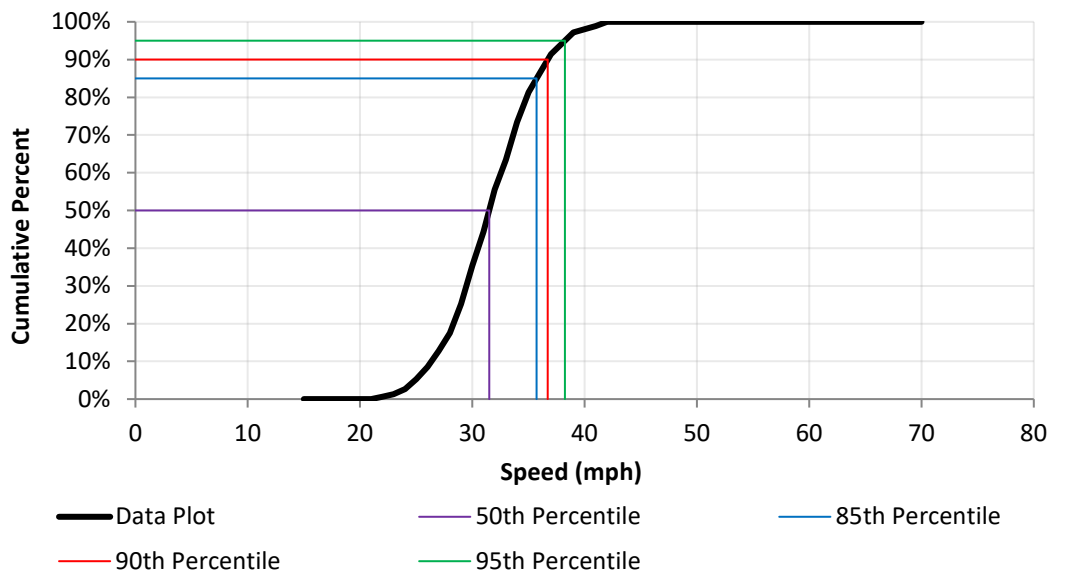
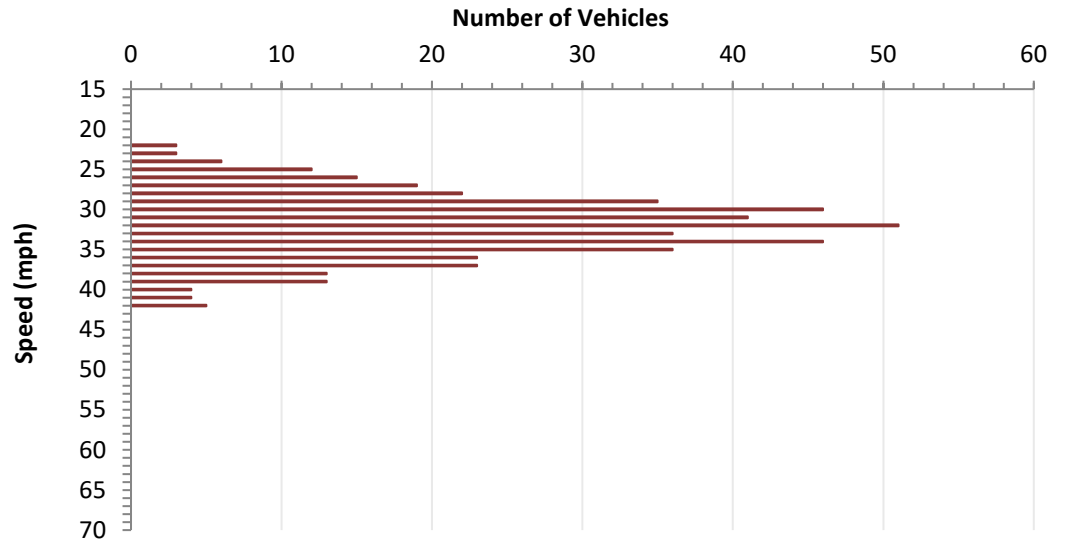
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Corral Canyon Rd	From:	Central Av	To:	Chula Vista city limit
Position:	300' S/o Steeplechase Rd	Direction:	NB/SB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-016
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22	3	0.7%
23	3	1.3%
24	6	2.6%
25	12	5.3%
26	15	8.6%
27	19	12.7%
28	22	17.5%
29	35	25.2%
30	46	35.3%
31	41	44.3%
32	51	55.5%
33	36	63.4%
34	46	73.5%
35	36	81.4%
36	23	86.4%
37	23	91.4%
38	13	94.3%
39	13	97.1%
40	4	98.0%
41	4	98.9%
42	5	100.0%
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	456	



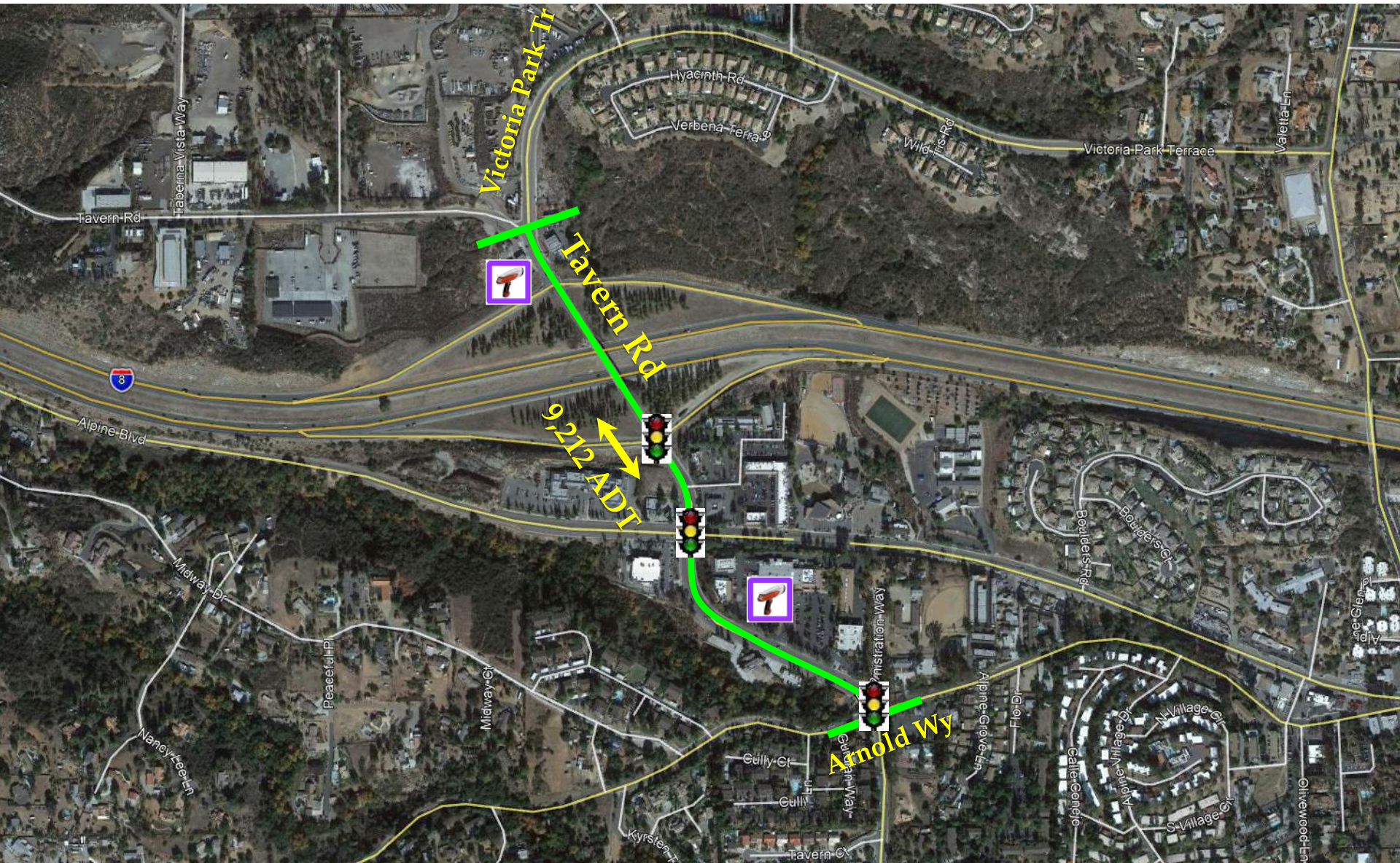
DATA ANALYSIS

Average Speed	32.1	Range	22 - 42
50th Percentile	31.5	10 mph Pace	28 - 37
85th Percentile	35.7	Number in Pace	359
90th Percentile	36.7	Percent in Pace	79%
95th Percentile	38.2		

2-A. Radar Certification

Tavern Road

Victoria Park Terrace to Arnold Way (0.57 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Tavern Road from Victoria Park Terrace to Arnold Way
(a distance of 0.57 miles) ALPINE (Thos. Bros. 1233-J1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Tavern Road from Victoria Park Terrace to Arnold Way is posted 35 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 35 MPH speed limit.

Existing Traffic Devices

Tavern Road is a striped two and four lane divided through highway with a 24 to 60 foot travelled way on a 36 to 82 foot road bed. The roadway is striped with a two way left turn lane, bike lanes, white edgeline, and parking lane. There are three signalized intersections along this roadway segment. The roadway is also posted with fire station advisory signs with supplemental flashing beacons, signal advisory signs with supplemental flashing beacons, and a speed advisory turn. Tavern Road is classified as a Major Road on the County General Plan Mobility Element Network. The roadway is posted 35 MPH/Radar Enforced.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>08/13</u>
Tavern Road:		
100' N/o I-8 Westbound Ramp	7,046	4,350
150' N/o Arnold Way	11,377	12,220

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Tavern Road:				
100' S/o Victoria Park Tr	(2021)	36.9 MPH	28-37	72.0%
	(2013)	40.0 MPH	30-39	66.0%
700' S/o Alpine Boulevard	(2021)	40.4 MPH	31-40	78.0%
	(2013)	39.7 MPH	31-40	76.0%
Speed Zone	(2021)	38.7 MPH	30-39	75.0%

Collision Data

There have been 25 reported collisions along this segment of roadway, 12 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 4.36 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

Tavern Rd 100' N/O I-8 Westbound Ramp

Day: Thursday
Date: 10/29/2020City: Alpine
Project #: CA20_040201_029

DAILY TOTALS					NB	SB	EB					WB	Total
					3,525	3,521	0					0	7,046
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	4	6			10	12:00	49	59			108		
00:15	5	9			14	12:15	60	52			112		
00:30	2	6			8	12:30	50	64			114		
00:45	6	17	3	24	9	12:45	58	217	45	220	103	437	
01:00	2	4			6	13:00	53	50			103		
01:15	2	4			6	13:15	72	47			119		
01:30	2	3			5	13:30	41	37			78		
01:45	2	8	1	12	3	13:45	60	226	58	192	118	418	
02:00	2	0			2	14:00	92	42			134		
02:15	1	4			5	14:15	47	68			115		
02:30	0	2			2	14:30	59	61			120		
02:45	1	4	6	12	7	14:45	84	282	72	243	156	525	
03:00	1	5			6	15:00	73	68			141		
03:15	2	3			5	15:15	76	55			131		
03:30	1	7			8	15:30	89	53			142		
03:45	5	9	3	18	8	15:45	86	324	38	214	124	538	
04:00	3	4			7	16:00	87	66			153		
04:15	2	23			25	16:15	99	56			155		
04:30	9	15			24	16:30	96	59			155		
04:45	14	28	29	71	43	16:45	116	398	39	220	155	618	
05:00	18	42			60	17:00	106	54			160		
05:15	16	51			67	17:15	114	41			155		
05:30	16	52			68	17:30	86	42			128		
05:45	30	80	53	198	83	17:45	66	372	50	187	116	559	
06:00	18	56			74	18:00	61	43			104		
06:15	37	56			93	18:15	55	23			78		
06:30	22	72			94	18:30	52	42			94		
06:45	37	114	58	242	95	18:45	44	212	27	135	71	347	
07:00	34	82			116	19:00	30	30			60		
07:15	48	84			132	19:15	31	17			48		
07:30	41	91			132	19:30	27	19			46		
07:45	57	180	63	320	120	19:45	26	114	23	89	49	203	
08:00	33	82			115	20:00	37	14			51		
08:15	37	64			101	20:15	22	14			36		
08:30	41	73			114	20:30	24	10			34		
08:45	38	149	51	270	89	20:45	30	113	11	49	41	162	
09:00	48	63			111	21:00	19	23			42		
09:15	59	54			113	21:15	14	14			28		
09:30	50	64			114	21:30	7	8			15		
09:45	47	204	61	242	108	21:45	10	50	17	62	27	112	
10:00	48	52			100	22:00	18	10			28		
10:15	39	53			92	22:15	8	6			14		
10:30	41	51			92	22:30	2	3			5		
10:45	54	182	54	210	108	22:45	2	30	9	28	11	58	
11:00	49	52			101	23:00	3	5			8		
11:15	42	59			101	23:15	6	8			14		
11:30	54	55			109	23:30	6	12			18		
11:45	45	190	59	225	104	23:45	7	22	13	38	20	60	
TOTALS	1165	1844			3009	TOTALS	2360	1677			4037		
SPLIT %	38.7%	61.3%			42.7%	SPLIT %	58.5%	41.5%			57.3%		

DAILY TOTALS					NB	SB						EB	WB	Total
					3,525	3,521						0	0	7,046
AM Peak Hour	11:30	07:00			07:00	PM Peak Hour	16:30	14:15			16:15			
AM Pk Volume	208	320			500	PM Pk Volume	432	269			625			
Pk Hr Factor	0.867	0.879			0.947	Pk Hr Factor	0.931	0.934			0.977			
7 - 9 Volume	329	590	0	0	919	4 - 6 Volume	770	407	0	0	1177			
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:30	16:00			16:15			
7 - 9 Pk Volume	180	320	0	0	500	4 - 6 Pk Volume	432	220	0	0	625			
Pk Hr Factor	0.789	0.879	0.000	0.000	0.947	Pk Hr Factor	0.931	0.833	0.000	0.000	0.977			

VOLUME

Tavern Rd 150' N/O Arnold Way

Day: Thursday
Date: 10/29/2020City: Alpine
Project #: CA20_040201_030

DAILY TOTALS					NB	SB	EB					WB	Total
					5,778	5,599						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	11	7			18	12:00	89	71			160		
00:15	3	7			10	12:15	95	90			185		
00:30	6	8			14	12:30	97	89			186		
00:45	2	22	11	33	13	12:45	105	386	96	346	201	732	
01:00	3	2			5	13:00	87	98			185		
01:15	3	5			8	13:15	77	96			173		
01:30	3	3			6	13:30	93	93			186		
01:45	2	11	2	12	4	13:45	134	391	94	381	228	772	
02:00	1	8			9	14:00	98	92			190		
02:15	2	0			2	14:15	104	109			213		
02:30	1	4			5	14:30	81	98			179		
02:45	3	7	0	12	3	14:45	101	384	102	401	203	785	
03:00	7	2			9	15:00	99	117			216		
03:15	4	3			7	15:15	109	132			241		
03:30	10	7			17	15:30	98	121			219		
03:45	4	25	4	16	8	15:45	100	406	118	488	218	894	
04:00	15	5			20	16:00	113	131			244		
04:15	20	5			25	16:15	90	138			228		
04:30	24	5			29	16:30	101	142			243		
04:45	36	95	6	21	42	16:45	92	396	172	583	264	979	
05:00	45	4			49	17:00	114	149			263		
05:15	59	8			67	17:15	101	168			269		
05:30	67	2			69	17:30	81	133			214		
05:45	80	251	12	26	92	17:45	77	373	139	589	216	962	
06:00	60	12			72	18:00	100	119			219		
06:15	83	15			98	18:15	100	110			210		
06:30	99	36			135	18:30	76	106			182		
06:45	88	330	43	106	131	18:45	48	324	85	420	133	744	
07:00	74	43			117	19:00	54	105			159		
07:15	113	54			167	19:15	48	75			123		
07:30	103	62			165	19:30	43	79			122		
07:45	123	413	82	241	205	19:45	35	180	71	330	106	510	
08:00	94	49			143	20:00	37	39			76		
08:15	99	60			159	20:15	35	53			88		
08:30	128	77			205	20:30	34	63			97		
08:45	108	429	65	251	173	20:45	30	136	49	204	79	340	
09:00	109	71			180	21:00	16	41			57		
09:15	80	74			154	21:15	20	36			56		
09:30	100	68			168	21:30	17	36			53		
09:45	91	380	52	265	143	21:45	12	65	32	145	44	210	
10:00	78	64			142	22:00	15	33			48		
10:15	96	62			158	22:15	12	24			36		
10:30	87	53			140	22:30	10	31			41		
10:45	93	354	78	257	171	22:45	8	45	9	97	17	142	
11:00	79	63			142	23:00	9	17			26		
11:15	85	80			165	23:15	9	18			27		
11:30	96	95			191	23:30	5	13			18		
11:45	83	343	72	310	155	23:45	9	32	17	65	26	97	
TOTALS	2660	1550			4210	TOTALS	3118	4049			7167		
SPLIT %	63.2%	36.8%			37.0%	SPLIT %	43.5%	56.5%			63.0%		

DAILY TOTALS				NB	SB	EBWB				Total
				5,778	5,599					0
AM Peak Hour	07:45	11:30			08:15	PM Peak Hour	13:30	16:30		
AM Pk Volume	444	328			717	PM Pk Volume	429	631		1039
Pk Hr Factor	0.867	0.863			0.874	Pk Hr Factor	0.800	0.917		0.966
7 - 9 Volume	842	492	0	0	1334	4 - 6 Volume	769	1172	0	0
7 - 9 Peak Hour	07:45	07:45			07:45	4 - 6 Peak Hour	16:30	16:30		16:30
7 - 9 Pk Volume	444	268	0	0	712	4 - 6 Pk Volume	408	631	0	0
Pk Hr Factor	0.867	0.817	0.000	0.000	0.868	Pk Hr Factor	0.895	0.917	0.000	0.000



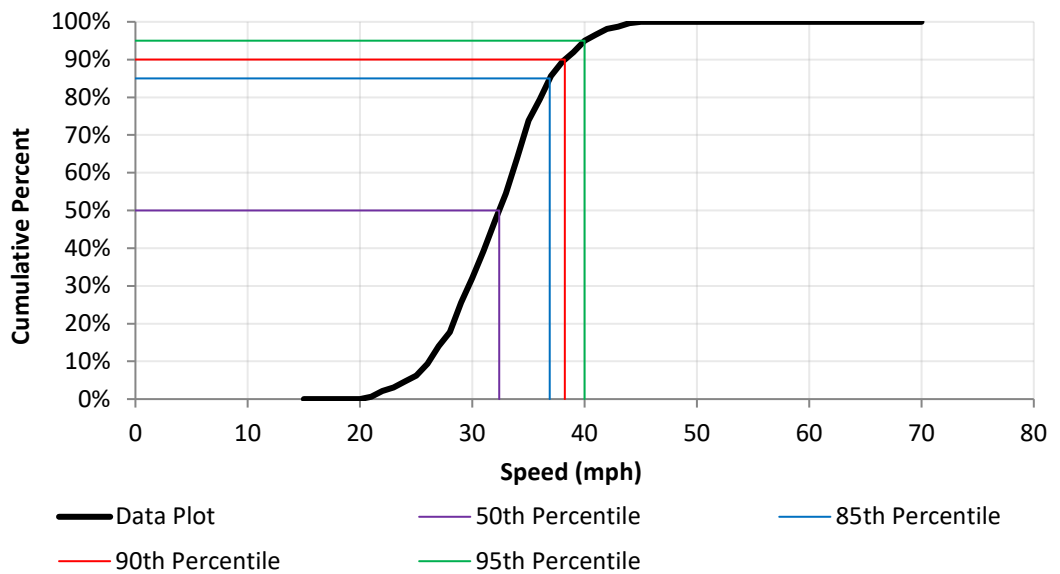
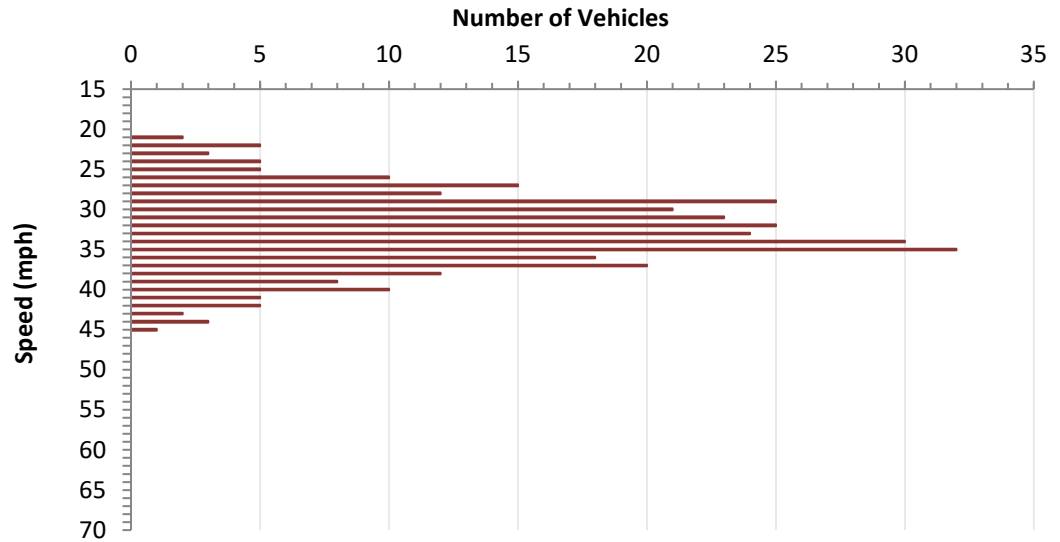
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Tavern Rd	From:	Victoria Park Tr	To:	Arnold Wy
Position:	100' S/o Victoria Park Tr	Direction:	NB/SB		

Date:	2/17/2021	Weather:	Clear	Project Number:	21-040023-012
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:00 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	2	0.6%
22	5	2.2%
23	3	3.1%
24	5	4.7%
25	5	6.2%
26	10	9.3%
27	15	14.0%
28	12	17.8%
29	25	25.5%
30	21	32.1%
31	23	39.3%
32	25	47.0%
33	24	54.5%
34	30	63.9%
35	32	73.8%
36	18	79.4%
37	20	85.7%
38	12	89.4%
39	8	91.9%
40	10	95.0%
41	5	96.6%
42	5	98.1%
43	2	98.8%
44	3	99.7%
45	1	100.0%
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	321	



DATA ANALYSIS

Average Speed	32.7	Range	21 - 45
50th Percentile	32.4	10 mph Pace	28 - 37
85th Percentile	36.9	Number in Pace	230
90th Percentile	38.2	Percent in Pace	72%
95th Percentile	40.0		



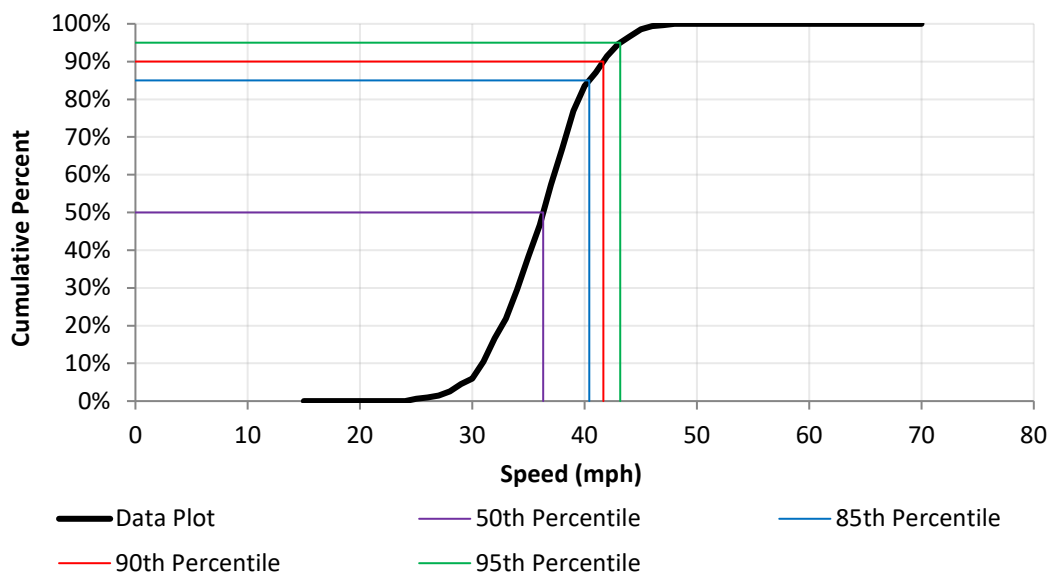
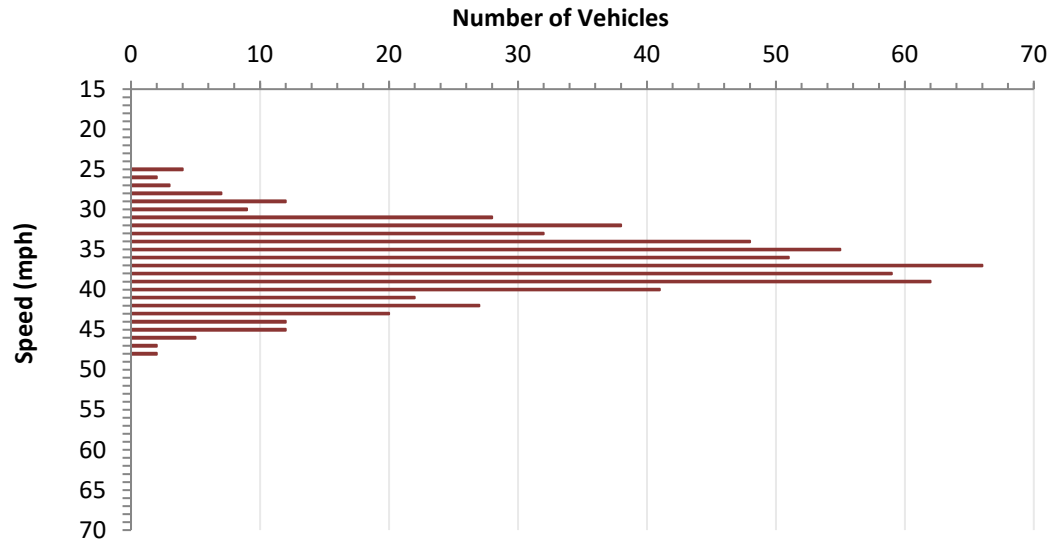
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Tavern Rd	From:	Victoria Park Tr	To:	Arnold Wy
Position:	700' S/o Alpine Bl	Direction:	NB/SB		

Date:	2/17/2021	Weather:	Clear	Project Number:	21-040023-015
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:45 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	4	0.6%
26	2	1.0%
27	3	1.5%
28	7	2.6%
29	12	4.5%
30	9	6.0%
31	28	10.5%
32	38	16.6%
33	32	21.8%
34	48	29.6%
35	55	38.4%
36	51	46.7%
37	66	57.4%
38	59	66.9%
39	62	76.9%
40	41	83.5%
41	22	87.1%
42	27	91.4%
43	20	94.7%
44	12	96.6%
45	12	98.5%
46	5	99.4%
47	2	99.7%
48	2	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	619	



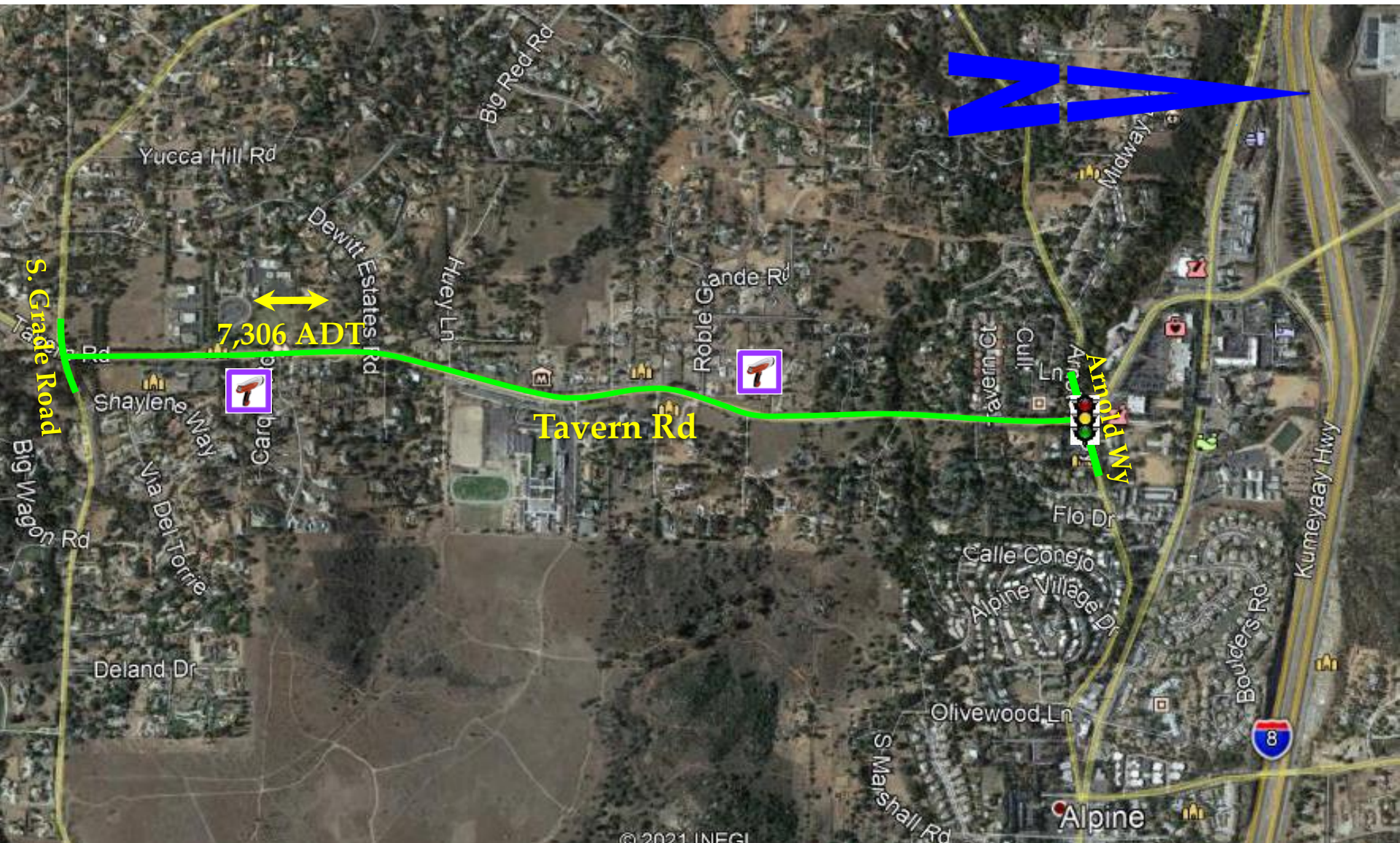
DATA ANALYSIS

Average Speed	36.7	Range	25 - 48
50th Percentile	36.3	10 mph Pace	31 - 40
85th Percentile	40.4	Number in Pace	480
90th Percentile	41.7	Percent in Pace	78%
95th Percentile	43.2		

2-B. Radar Certification

Tavern Road

Arnold Way to South Grade Road (1.38 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 2-B

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Tavern Road from Arnold Way to South Grade Road (a distance of 1.38 miles) ALPINE (Thos. Bros. 1234-A7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Tavern Road from Arnold Way to South Grade Road is posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 45 MPH speed limit.

Existing Traffic Devices

Tavern Road is a striped two-lane divided through highway with a 24 to 60 foot travelled way on a 36 to 82 foot road bed. The roadway is striped with a two way left turn lane, no passing centerline, bike lanes, white edgeline, and parking lane. There are two uncontrolled school crosswalks along this roadway segment. The roadway is also posted with school advisory signs, several with supplemental flashing beacons. Tavern Road is classified as a Major Road on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volumes

10/20

08/13

Tavern Road:

350' S/o DeWitt Estates Road

7,306

7,130

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Tavern Road:

240' N/o Roble Grande Rd (2021)
(2013)

47.1 MPH
48.0 MPH

39-48
40-49

75.0%
72.0%

620' S/o DeWitt Estates Rd (2021)
(2013)

45.8 MPH
48.0 MPH

37-46
38-47

67.0%
69.0%

Speed Zone (2021)

46.5 MPH

38-47

71.0%

Collision Data

There have been 5 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 0.45 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds 45 to 55 MPH.

VOLUME

Tavern Rd 350' S/O Dewitt Estates Rd

Day: Thursday
Date: 10/29/2020City: Alpine
Project #: CA20_040201_031

DAILY TOTALS					NB	SB						EB	WB						Total
					3,640	3,666						0	0						7,306
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00	4	2			6		12:00	65	44			109							
00:15	3	2			5		12:15	68	69			137							
00:30	0	1			1		12:30	67	57			124							
00:45	2	9	0	5	2	14	12:45	50	250	61	231	111	481						
01:00	0	2			2		13:00	39	75			114							
01:15	1	2			3		13:15	46	81			127							
01:30	2	4			6		13:30	78	79			157							
01:45	1	4	1	9	2	13	13:45	104	267	94	329	198	596						
02:00	0	1			1		14:00	67	72			139							
02:15	4	2			6		14:15	55	57			112							
02:30	1	2			3		14:30	51	66			117							
02:45	0	5	0	5	0	10	14:45	57	230	58	253	115	483						
03:00	7	0			7		15:00	66	71			137							
03:15	1	3			4		15:15	64	89			153							
03:30	5	0			5		15:30	46	65			111							
03:45	3	16	2	5	5	21	15:45	74	250	92	317	166	567						
04:00	8	2			10		16:00	60	77			137							
04:15	10	3			13		16:15	65	89			154							
04:30	13	1			14		16:30	59	89			148							
04:45	18	49	5	11	23	60	16:45	63	247	102	357	165	604						
05:00	23	2			25		17:00	59	93			152							
05:15	32	3			35		17:15	60	100			160							
05:30	35	5			40		17:30	50	92			142							
05:45	36	126	10	20	46	146	17:45	44	213	91	376	135	589						
06:00	29	6			35		18:00	93	73			166							
06:15	49	11			60		18:15	56	69			125							
06:30	55	22			77		18:30	46	59			105							
06:45	51	184	26	65	77	249	18:45	28	223	55	256	83	479						
07:00	39	27			66		19:00	35	59			94							
07:15	65	37			102		19:15	22	38			60							
07:30	77	31			108		19:30	22	38			60							
07:45	93	274	56	151	149	425	19:45	14	93	36	171	50	264						
08:00	66	45			111		20:00	26	27			53							
08:15	62	61			123		20:15	28	31			59							
08:30	110	67			177		20:30	12	37			49							
08:45	86	324	49	222	135	546	20:45	10	76	24	119	34	195						
09:00	74	55			129		21:00	11	22			33							
09:15	52	62			114		21:15	15	17			32							
09:30	67	40			107		21:30	4	12			16							
09:45	57	250	56	213	113	463	21:45	7	37	22	73	29	110						
10:00	53	41			94		22:00	9	20			29							
10:15	67	49			116		22:15	6	15			21							
10:30	55	46			101		22:30	11	12			23							
10:45	54	229	58	194	112	423	22:45	4	30	3	50	7	80						
11:00	62	42			104		23:00	4	6			10							
11:15	56	55			111		23:15	10	8			18							
11:30	57	57			114		23:30	7	3			10							
11:45	52	227	56	210	108	437	23:45	6	27	7	24	13	51						
TOTALS	1697	1110			2807		TOTALS	1943	2556			4499							
SPLIT %	60.5%	39.5%			38.4%		SPLIT %	43.2%	56.8%			61.6%							

DAILY TOTALS					NB	SB						EB	WB						Total
					3,640	3,666						0	0						7,306
AM Peak Hour	08:15	08:30			08:15		PM Peak Hour	13:30	16:45			16:30							
AM Pk Volume	332	233			564		PM Pk Volume	304	387			625							
Pk Hr Factor	0.755	0.869			0.797		Pk Hr Factor	0.731	0.949			0.947							
7 - 9 Volume	598	373	0	0	971		4 - 6 Volume	460	733	0	0	1193							
7 - 9 Peak Hour	07:45	07:45			07:45		4 - 6 Peak Hour	16:00	16:45			16:30							
7 - 9 Pk Volume	331	229	0	0	560		4 - 6 Pk Volume	247	387	0	0	625							
Pk Hr Factor	0.752	0.854	0.000	0.000	0.791		Pk Hr Factor	0.950	0.949	0.000	0.000	0.947							



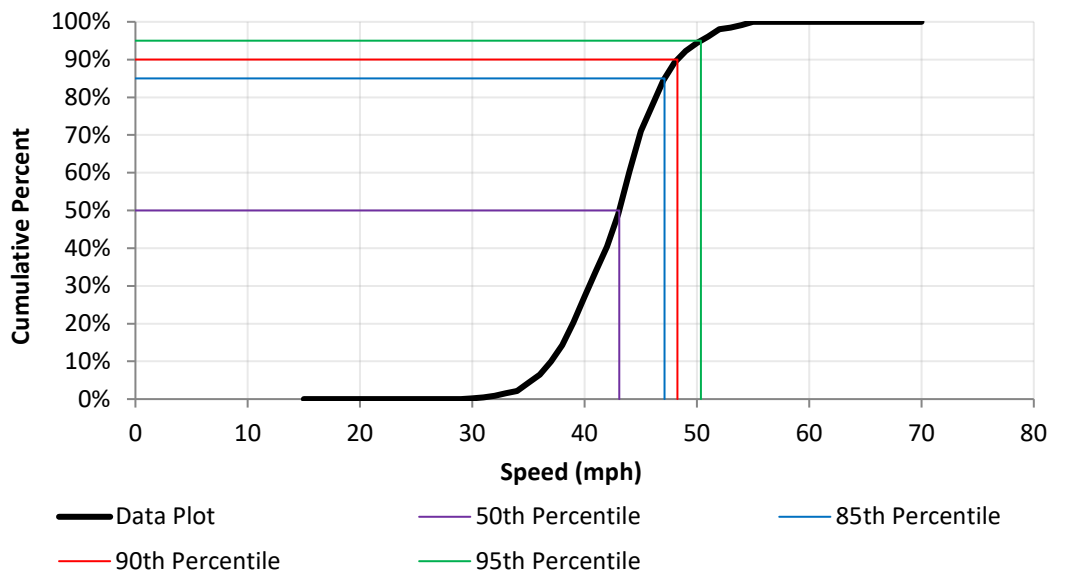
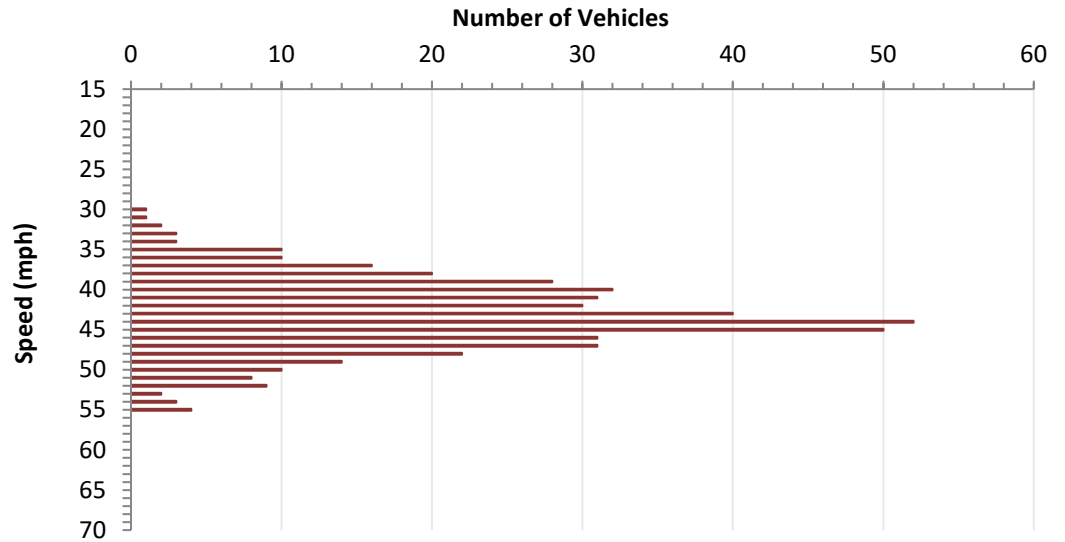
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Tavern Rd	From:	Arnold Wy	To:	South Grade Rd
Position:	240' N/o Roble Grande Rd	Direction:	NB/SB		

Date:	2/17/2021	Weather:	Clear	Project Number:	21-040023-013
Time Start:	11:45 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:45 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	1	0.2%
31	1	0.4%
32	2	0.9%
33	3	1.5%
34	3	2.2%
35	10	4.3%
36	10	6.5%
37	16	9.9%
38	20	14.3%
39	28	20.3%
40	32	27.2%
41	31	33.9%
42	30	40.4%
43	40	49.0%
44	52	60.3%
45	50	71.1%
46	31	77.8%
47	31	84.4%
48	22	89.2%
49	14	92.2%
50	10	94.4%
51	8	96.1%
52	9	98.1%
53	2	98.5%
54	3	99.1%
55	4	100.0%
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	463	



DATA ANALYSIS

Average Speed	43.3	Range	30 - 55
50th Percentile	43.1	10 mph Pace	39 - 48
85th Percentile	47.1	Number in Pace	347
90th Percentile	48.3	Percent in Pace	75%
95th Percentile	50.4		



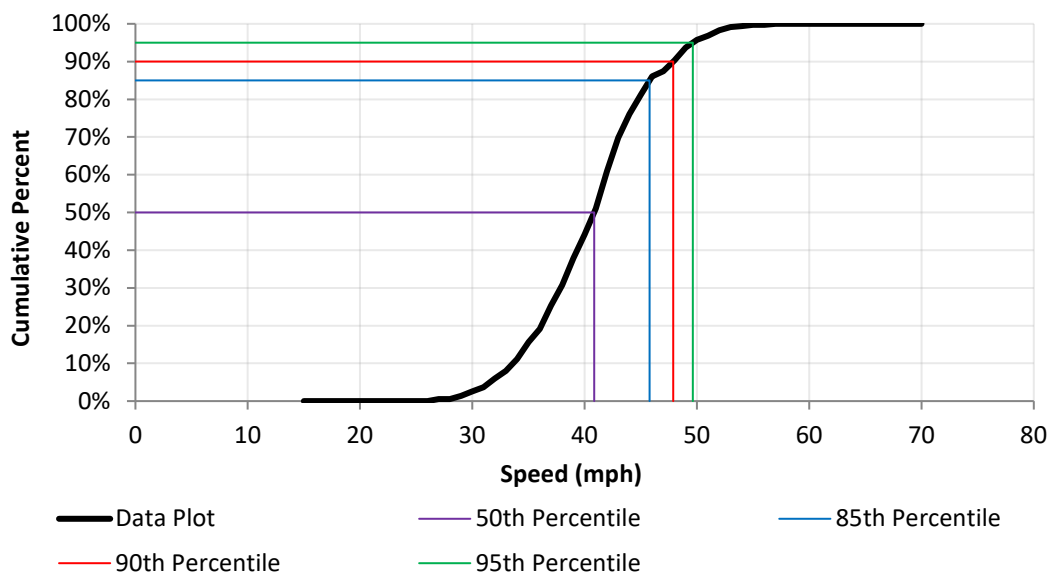
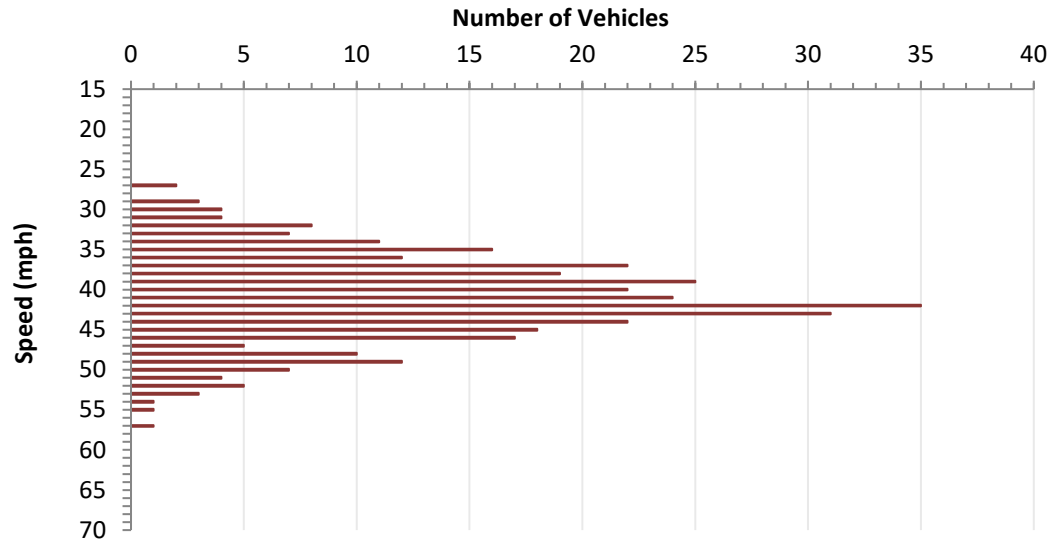
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Tavern Rd	From:	Arnold Wy	To:	South Grade Rd
Position:	620' S/o Dewitt Estates Rd	Direction:	NB/SB		

Date:	2/17/2021	Weather:	Clear	Project Number:	21-040023-014
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	2	0.6%
28		
29	3	1.4%
30	4	2.6%
31	4	3.7%
32	8	6.0%
33	7	8.0%
34	11	11.1%
35	16	15.7%
36	12	19.1%
37	22	25.4%
38	19	30.8%
39	25	37.9%
40	22	44.2%
41	24	51.0%
42	35	61.0%
43	31	69.8%
44	22	76.1%
45	18	81.2%
46	17	86.0%
47	5	87.5%
48	10	90.3%
49	12	93.7%
50	7	95.7%
51	4	96.9%
52	5	98.3%
53	3	99.1%
54	1	99.4%
55	1	99.7%
56		
57	1	100.0%
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	351	

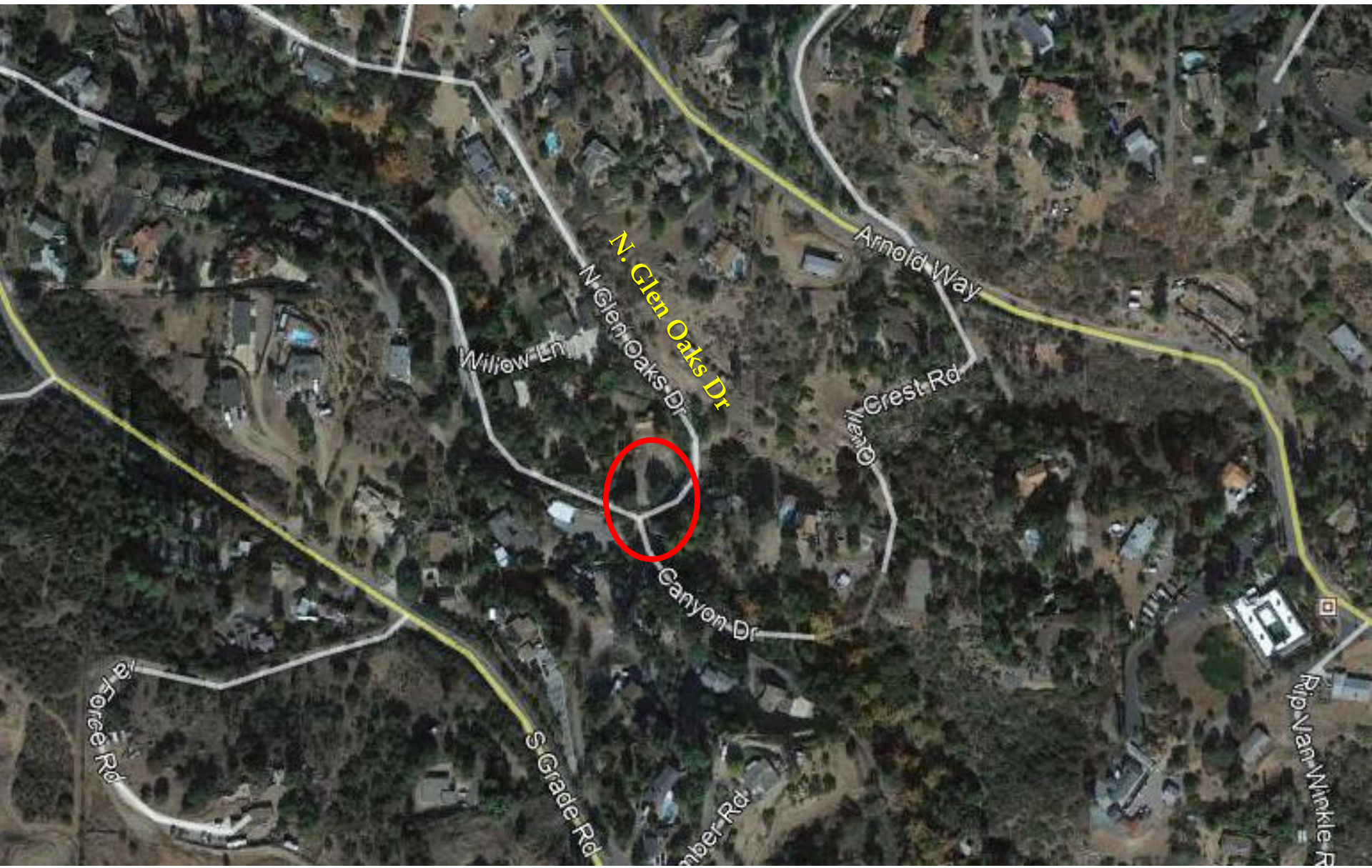


DATA ANALYSIS

Average Speed	41.1	Range	27 - 57
50th Percentile	40.9	10 mph Pace	37 - 46
85th Percentile	45.8	Number in Pace	235
90th Percentile	47.9	Percent in Pace	67%
95th Percentile	49.6		

2-C. Bridge Weight Limits

Chocolate Creek Bridge on N. Glen Oaks Drive



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 2-C

SUPERVISORIAL DISTRICT: 2

SUBJECT: Bridge Weight Limits

LOCATION: N. Glen Oaks Dr (Chocolate Creek) ALPINE (Thos. Bros. 1233-G6)

INITIATED BY: DPW Field Engineering
Michael Aguilar
858-694-2817
michael.aguilar@sdcounty.ca.gov

REQUEST: Bridge Weight Limits

PROBLEM AS STATED BY REQUESTER:

CIP inspection of the County-maintained Chocolate bridge on N. Glen Oaks Dr (674 N. Glen Oaks Dr) in Alpine in accordance with Title 23 of the Code of Federal Regulations (Federal Highway Act) and the National Bridge Inspection Standards (NBIS). The bridge has been rated considering its deficiencies, structural adequacy, safe load carrying capacity and overall general condition.

Posting for 4-Ton maximum weight limited load carrying capacities is recommended for this structure until the repairs are completed.



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.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: April 13, 2021

Item Title: Bridge Weight Limits

Location: North Glen Oaks Drive bridge, Alpine & North Fork Santa Ysabel Creek Bridge

Recommendation: **Install R12-1 & R12-5 Weight Limit Signs**

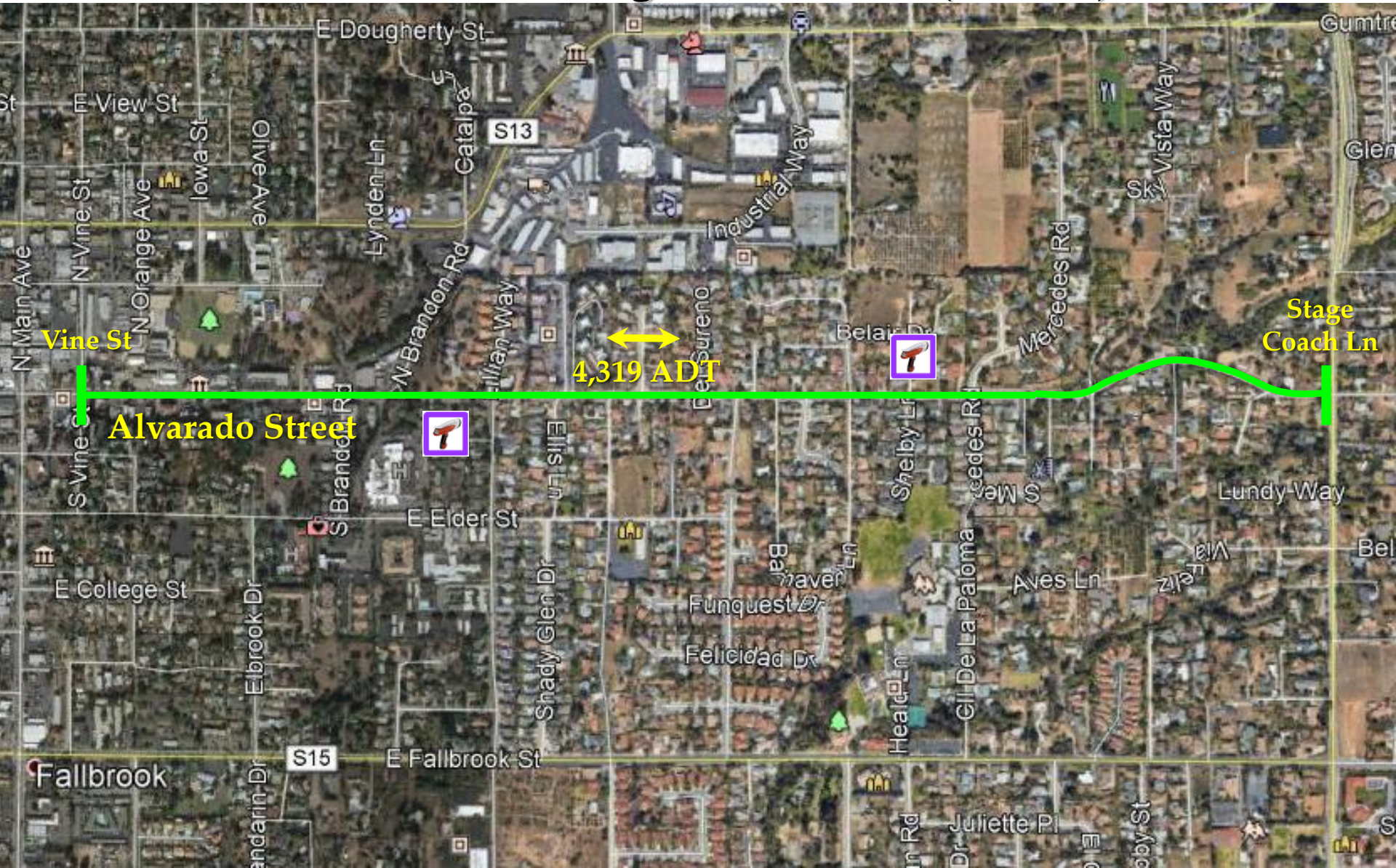
Conditions:

- Sections 35752 "Maximum Weights; Signs" of the California Vehicle Code (CVC) provides the County with the authority to post a weight restriction on a bridge within the County jurisdiction due to structural deficiencies.
- Section 2B.59 "Weight Limit Signs" of the California MUTCD, identifies the appropriate type and placement of weight limit signs on a bridge if, after inspection of such bridge structure, a weight limitation is necessary and appropriate.
- The 764 North Glen Oaks Drive timber bridge in the Community of Alpine was inspected recently by County staff and found to be deficient structurally and a weight limit of 4-tons was identified and recommended.
- The North Fork Santa Ysabel Creek bridge was also inspected by Caltrans staff for its structural integrity and found to be deficient as well and a weight limit based on vehicle types was identified and recommended.
- Pursuant to CVC section 35752, the CA MUTCD Section 3B.59 and the inspector reports, it is my recommendation that an R12-1 "Weight Limit 4 tons" sign and an R12-5 "Weight Limit – 6 tons Type 3 Vehicle; 9 tons Type 3S2 Vehicle; and 12 tons Type 3-3 Vehicle" be placed to limit the loads on these two bridges due to their structural deficiencies for motorist safety.

5-A. Radar Certification

Alvarado Street

Vine Street to Stage Coach Lane (1.32 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item **5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Alvarado Street from Vine Street to Stage Coach Lane
(a distance of 1.32 miles) FALLBROOK (Thos. Bros.
1027-F2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Alvarado Street from Vine Street to Stage Coach Lane is posted 35 MPH Radar Enforced, excluding the existing business district posted 25 MPH, starting 350 feet east of Vine Street and continuing west to Mission Road. Preliminary review of prevailing speeds and roadway conditions could support relocating the western endpoint of the speed zone from Vine Street to Brandon Rd and radar certification of the existing 35 MPH speed limit for Alvarado Street from Vine Street to Stage Coach Lane.

Existing Traffic Devices

Alvarado Street is a striped two-lane through highway with a 24 to 54 foot travelled way on a 24 to 54 foot road bed. The roadway is striped with a no passing centerline and intermittent white edgeline. There is an uncontrolled school crosswalk along this roadway segment at Mercedes Road and an all-way stop intersection at Brandon Road. The roadway is also posted with intersection advisory signs. Alvarado Street is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 35 MPH/Radar Enforced.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>08/13</u>
Alvarado Street:		
240' E/o Ellis Lane	4,319	4,830

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Alvarado Street:				
300' W/o Potter Street	(2021)	36.8 MPH	28-37	73.0%
240' E/o Ellis Lane	(2013)	39.7 MPH	31-40	75.0%
At Shelby Lane	(2021)	42.3 MPH	31-40	66.0%

Speed Zone	(2021)	39.6 MPH	30-39	69.5%
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Collision Data

There have been 13 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 2.09 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

E Alvarado St 240' E/O Ellis Ln

Day: Thursday
Date: 10/8/2020City: Fallbrook
Project #: CA20_040201_007

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,138	2,181						4,319
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			0	0	0		12:00			26	40	66							
00:15			0	0	0		12:15			44	30	74							
00:30			0	1	1		12:30			58	40	98							
00:45			2	2	1	2	12:45			49	177	42	152	91	329				
01:00			1	0	1		13:00			33	53	86							
01:15			2	0	2		13:15			31	38	69							
01:30			3	0	3		13:30			37	38	75							
01:45			1	7	1	1	13:45			38	139	41	170	79	309				
02:00			0	1	1		14:00			42	37	79							
02:15			0	0	0		14:15			46	51	97							
02:30			1	2	3		14:30			38	38	76							
02:45			1	2	0	3	14:45			37	163	45	171	82	334				
03:00			1	1	2		15:00			47	48	95							
03:15			1	2	3		15:15			48	42	90							
03:30			0	0	0		15:30			53	50	103							
03:45			1	3	3	6	15:45			63	211	49	189	112	400				
04:00			3	2	5		16:00			51	52	103							
04:15			1	6	7		16:15			57	36	93							
04:30			3	1	4		16:30			63	49	112							
04:45			5	12	5	14	16:45			54	225	44	181	98	406				
05:00			6	7	13		17:00			62	40	102							
05:15			3	8	11		17:15			58	36	94							
05:30			7	12	19		17:30			40	37	77							
05:45			9	25	15	42	17:45			38	198	35	148	73	346				
06:00			8	15	23		18:00			37	19	56							
06:15			15	23	38		18:15			31	29	60							
06:30			19	16	35		18:30			38	24	62							
06:45			18	60	26	80	18:45			33	139	20	92	53	231				
07:00			12	34	46		19:00			24	26	50							
07:15			29	35	64		19:15			33	19	52							
07:30			35	43	78		19:30			21	11	32							
07:45			28	104	67	179	19:45			18	96	36	170						
08:00			39	62	101		20:00			20	15	35							
08:15			36	46	82		20:15			16	7	23							
08:30			29	44	73		20:30			11	11	22							
08:45			23	127	39	191	20:45			14	61	9	42	23	103				
09:00			20	39	59		21:00			11	4	15							
09:15			21	28	49		21:15			6	4	10							
09:30			26	30	56		21:30			11	5	16							
09:45			28	95	40	137	21:45			4	32	7	20	11	52				
10:00			26	27	53		22:00			5	8	13							
10:15			25	35	60		22:15			3	5	8							
10:30			18	33	51		22:30			10	11	21							
10:45			25	94	29	124	22:45			2	20	0	24	2	44				
11:00			36	31	67		23:00			3	8	11							
11:15			30	28	58		23:15			2	1	3							
11:30			33	29	62		23:30			1	1	2							
11:45			39	138	38	126	23:45			2	8	3	13	5	21				
TOTALS			669	905	1574		TOTALS			1469	1276	2745							
SPLIT %			42.5%	57.5%	36.4%		SPLIT %			53.5%	46.5%	63.6%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,138	2,181						4,319
AM Peak Hour			11:45	07:45	07:30		PM Peak Hour			16:30	15:15	15:45							
AM Pk Volume			167	219	356		PM Pk Volume			237	193	420							
Pk Hr Factor			0.720	0.817	0.881		Pk Hr Factor			0.940	0.928	0.938							
7 - 9 Volume	0	0	231	370	601		4 - 6 Volume	0	0	423	329	752							
7 - 9 Peak Hour			07:30	07:45	07:30		4 - 6 Peak Hour			16:30	16:00	16:00							
7 - 9 Pk Volume	0	0	138	219	356		4 - 6 Pk Volume	0	0	237	181	406							
Pk Hr Factor	0.000	0.000	0.885	0.817	0.881		Pk Hr Factor	0.000	0.000	0.940	0.870	0.906							



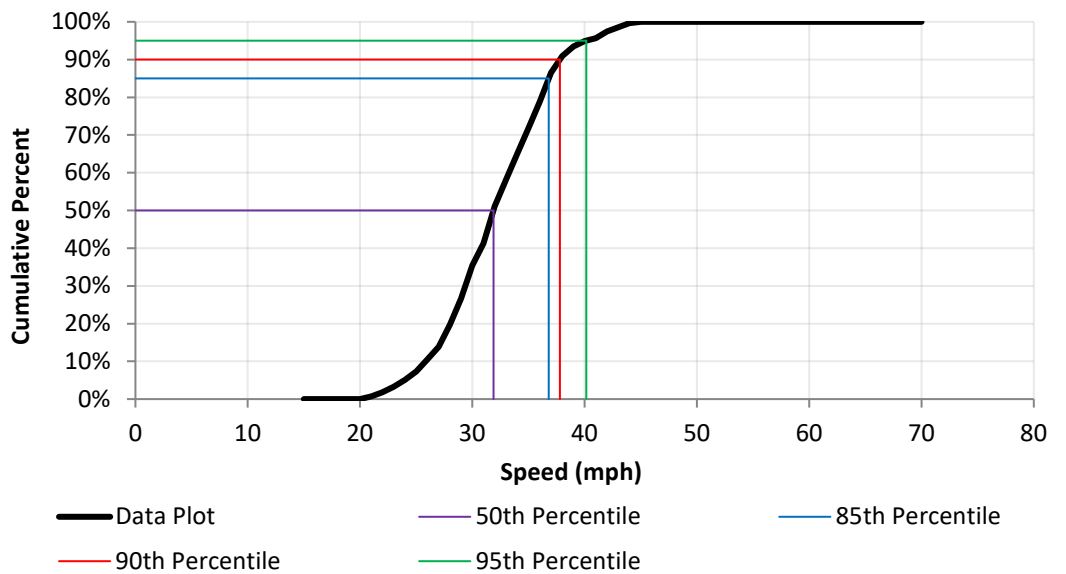
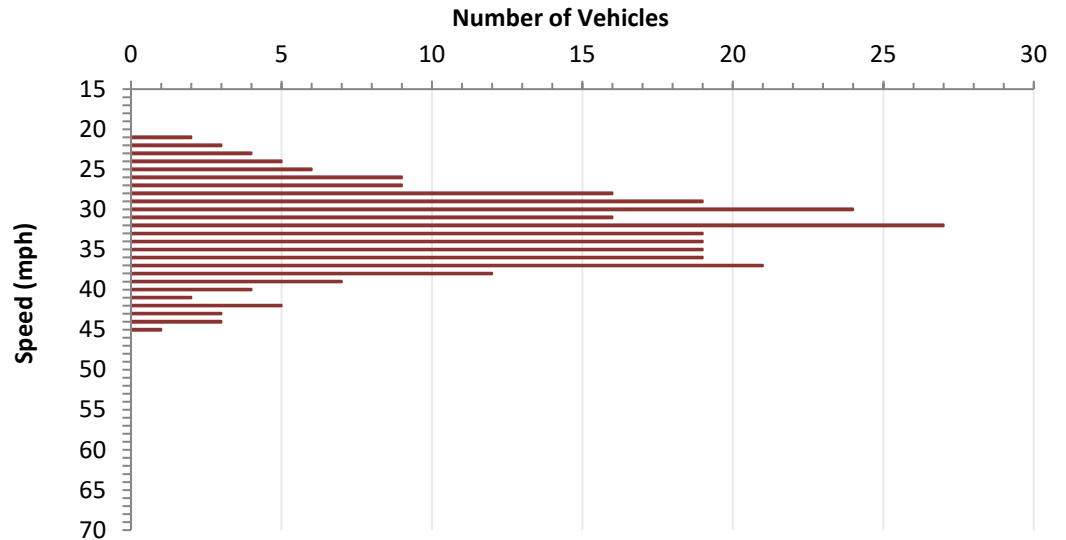
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Alvarado St	From:	Vine St	To:	Stage Coach Ln
Position:	300' W/o Potter St	Direction:	EB/WB		

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-004
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	2	0.7%
22	3	1.8%
23	4	3.3%
24	5	5.1%
25	6	7.3%
26	9	10.6%
27	9	13.9%
28	16	19.7%
29	19	26.6%
30	24	35.4%
31	16	41.2%
32	27	51.1%
33	19	58.0%
34	19	65.0%
35	19	71.9%
36	19	78.8%
37	21	86.5%
38	12	90.9%
39	7	93.4%
40	4	94.9%
41	2	95.6%
42	5	97.4%
43	3	98.5%
44	3	99.6%
45	1	100.0%
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	274	



DATA ANALYSIS

Average Speed	32.5	Range	21 - 45
50th Percentile	31.9	10 mph Pace	28 - 37
85th Percentile	36.8	Number in Pace	199
90th Percentile	37.8	Percent in Pace	73%
95th Percentile	40.2		



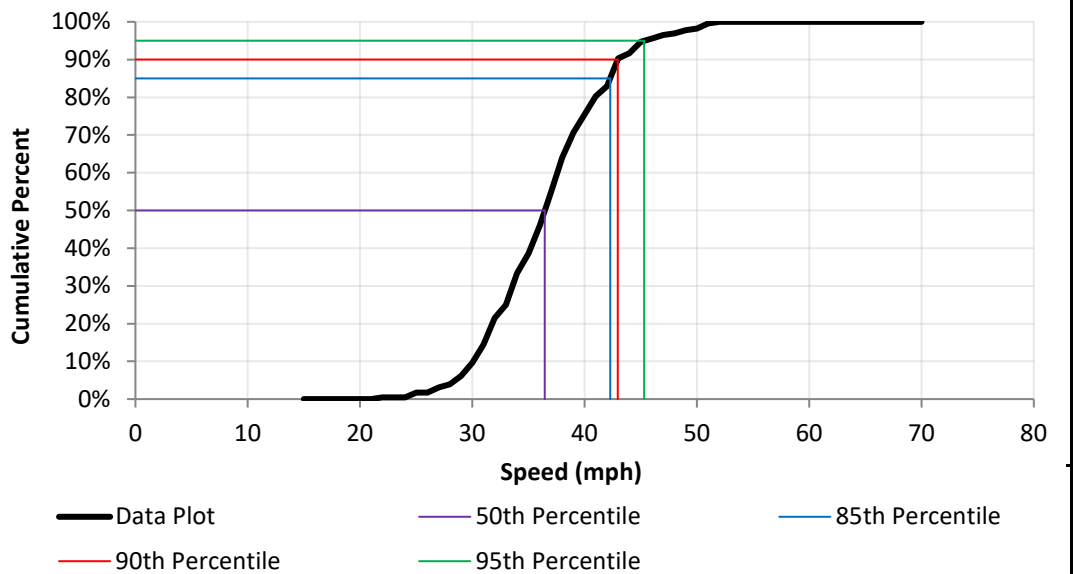
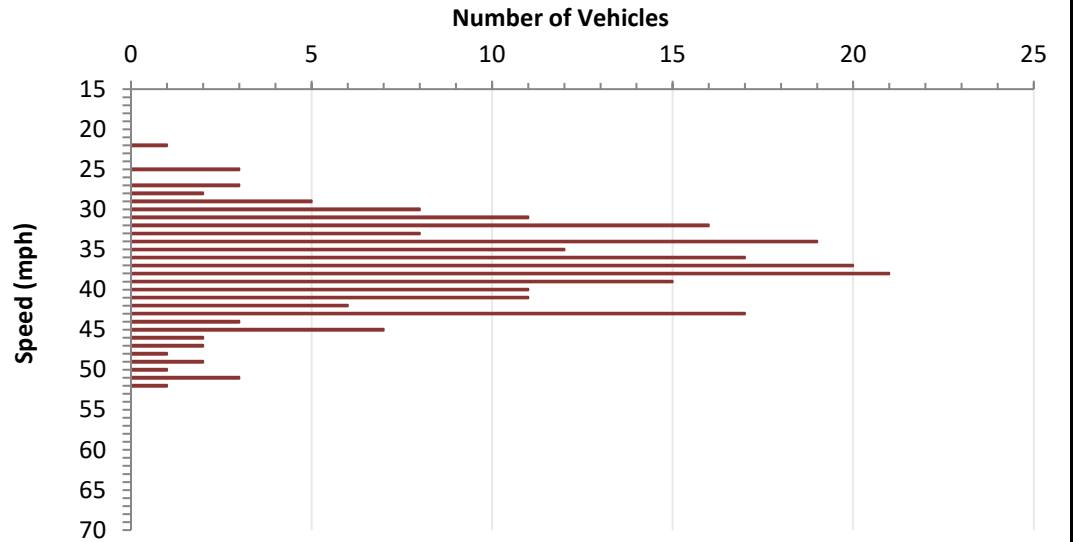
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Alvarado St	From:	Vine St	To:	Stage Coach Ln
Position:	At Shelby Ln	Direction:	EB/WB		

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-001
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	35 MPH	Calibration Test:	Y

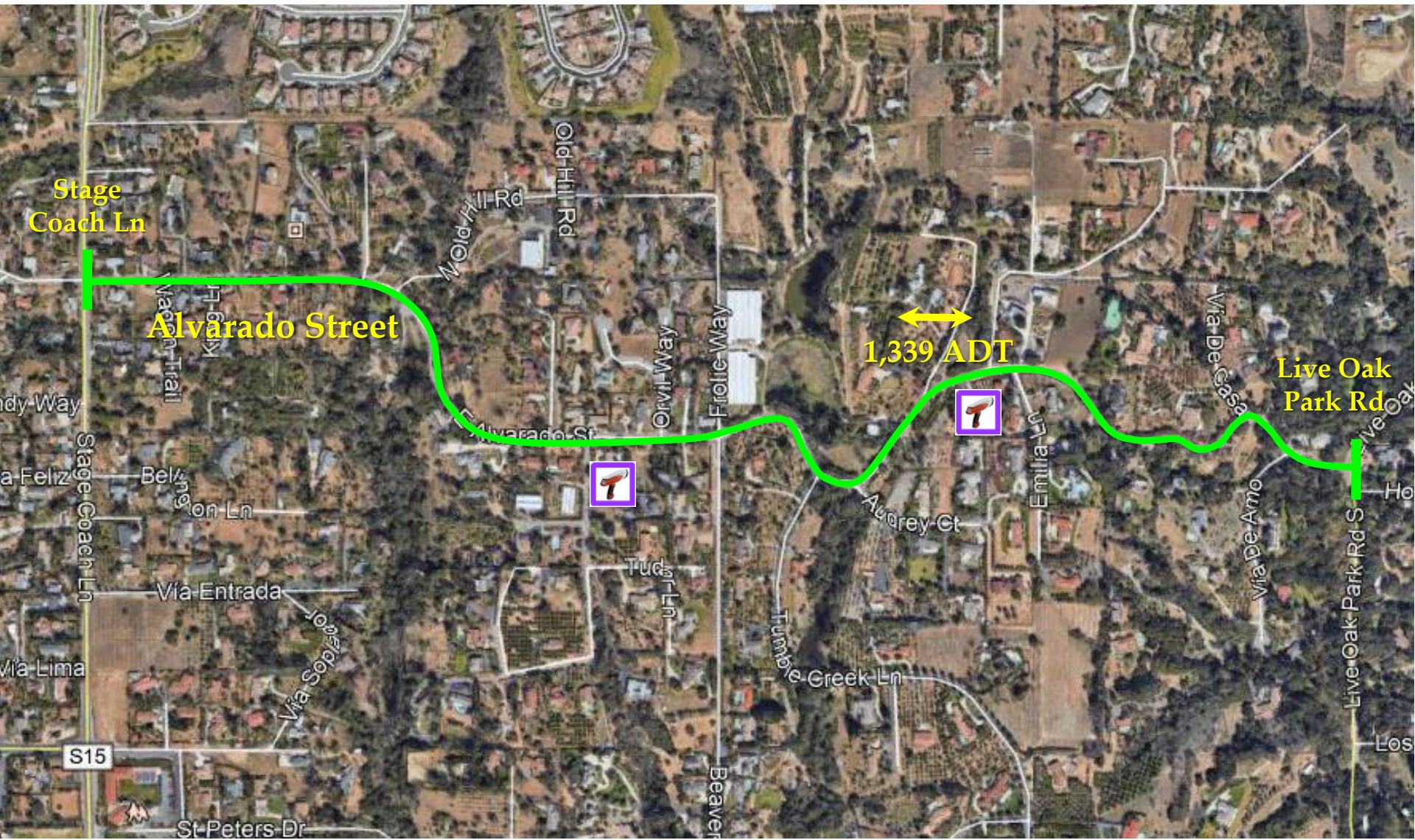
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22	1	0.4%
23		
24		
25	3	1.8%
26		
27	3	3.1%
28	2	3.9%
29	5	6.1%
30	8	9.6%
31	11	14.5%
32	16	21.5%
33	8	25.0%
34	19	33.3%
35	12	38.6%
36	17	46.1%
37	20	54.8%
38	21	64.0%
39	15	70.6%
40	11	75.4%
41	11	80.3%
42	6	82.9%
43	17	90.4%
44	3	91.7%
45	7	94.7%
46	2	95.6%
47	2	96.5%
48	1	96.9%
49	2	97.8%
50	1	98.2%
51	3	99.6%
52	1	100.0%
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	228	



DATA ANALYSIS

Average Speed	37.0	Range	22 - 52
50th Percentile	36.5	10 mph Pace	31 - 40
85th Percentile	42.3	Number in Pace	150
90th Percentile	43.0	Percent in Pace	66%
95th Percentile	45.3		

5-B. Radar Certification Alvarado Street Stage Coach Lane to Live Oak Park Rd (1.22 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 5-B

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Alvarado Street from Stage Coach Lane to Live Oak Park Road (a distance of 1.22 miles) FALLBROOK (Thos. Bros. 1027-J2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Alvarado Street from Stage Coach Lane to Live Oak Park Road is 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

Alvarado Street is a striped two-lane through highway with a 24 foot travelled way on a 24 to 28 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is also posted with curve and turn advisory signs with supplemental speed advisory plaques. Alvarado Street is unclassified on the County General Plan Mobility Element Network. The roadway is posted 35 MPH/Radar Enforced.

Average Daily Traffic Volumes

Alvarado Street:

100' W/o South Emilia Lane

10/20

1,339

06/13

1,860

Speed Data

Alvarado Street:

175' W/o Orvil Way (2021)

**85th
Percentile**

36.9 MPH

**10 MPH
Pace**

28-37

**% in
Pace**

75.0%

100' W/o South Emilia Ln (2021)
(2013)

36.0 MPH

36.0 MPH

28-37

27-36

79.0%

80.0%

Speed Zone (2021)

36.5 MPH

28-37

77.0%

Collision Data

There have been 12 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 6.72 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

E Alvarado St 100' W/O Emilia Ln

Day: Thursday
Date: 10/8/2020City: Fallbrook
Project #: CA20_040201_006

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						679	660						1,339
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			1	0	1		12:00			8	10	18							
00:15			0	0	0		12:15			12	15	27							
00:30			1	0	1		12:30			9	14	23							
00:45			1	3	1	1	12:45			15	44	13	52	28	96				
01:00			0	1	1		13:00			14	10	24							
01:15			2	2	4		13:15			12	10	22							
01:30			0	0	0		13:30			11	11	22							
01:45			1	3	0	3	13:45			16	53	11	42	27	95				
02:00			0	1	1		14:00			14	13	27							
02:15			0	1	1		14:15			13	15	28							
02:30			0	0	0		14:30			24	11	35							
02:45			0	0	0	2	14:45			11	62	12	51	23	113				
03:00			0	0	0		15:00			8	12	20							
03:15			0	0	0		15:15			17	20	37							
03:30			0	1	1		15:30			14	15	29							
03:45			2	2	0	1	15:45			15	54	17	64	32	118				
04:00			0	1	1		16:00			22	11	33							
04:15			2	0	2		16:15			14	15	29							
04:30			1	0	1		16:30			14	15	29							
04:45			1	4	0	1	16:45			13	63	14	55	27	118				
05:00			1	1	2		17:00			10	13	23							
05:15			4	4	8		17:15			16	8	24							
05:30			5	3	8		17:30			13	9	22							
05:45			3	13	1	9	17:45			12	51	8	38	20	89				
06:00			6	3	9		18:00			10	7	17							
06:15			7	6	13		18:15			16	7	23							
06:30			7	6	13		18:30			6	3	9							
06:45			9	29	9	24	18:45			4	36	6	23	10	59				
07:00			15	8	23		19:00			9	10	19							
07:15			13	13	26		19:15			0	6	6							
07:30			14	16	30		19:30			5	5	10							
07:45			20	62	25	62	19:45			1	15	5	26	6	41				
08:00			17	16	33		20:00			3	2	5							
08:15			13	9	22		20:15			2	2	4							
08:30			9	18	27		20:30			3	3	6							
08:45			10	49	13	56	20:45			4	12	2	9	6	21				
09:00			10	9	19		21:00			3	0	3							
09:15			6	11	17		21:15			0	3	3							
09:30			4	11	15		21:30			0	2	2							
09:45			12	32	9	40	21:45			4	7	2	7	6	14				
10:00			10	9	19		22:00			2	1	3							
10:15			13	10	23		22:15			0	1	1							
10:30			4	11	15		22:30			3	4	7							
10:45			7	34	8	38	22:45			1	6	0	6	1	12				
11:00			7	10	17		23:00			2	1	3							
11:15			11	9	20		23:15			0	0	0							
11:30			11	14	25		23:30			0	0	0							
11:45			14	43	16	49	23:45			0	2	0	1	0	3				
TOTALS			274	286	560		TOTALS			405	374	779							
SPLIT %			48.9%	51.1%	41.8%		SPLIT %			52.0%	48.0%	58.2%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						679	660						1,339
AM Peak Hour			07:15	07:15	07:15		PM Peak Hour			15:15	15:00	15:15							
AM Pk Volume			64	70	134		PM Pk Volume			68	64	131							
Pk Hr Factor			0.800	0.700	0.744		Pk Hr Factor			0.773	0.800	0.885							
7 - 9 Volume	0	0	111	118	229		4 - 6 Volume	0	0	114	93	207							
7 - 9 Peak Hour			07:15	07:15	07:15		4 - 6 Peak Hour			16:00	16:15	16:00							
7 - 9 Pk Volume	0	0	64	70	134		4 - 6 Pk Volume	0	0	63	57	118							
Pk Hr Factor	0.000	0.000	0.800	0.700	0.744		Pk Hr Factor	0.000	0.000	0.716	0.950	0.894							



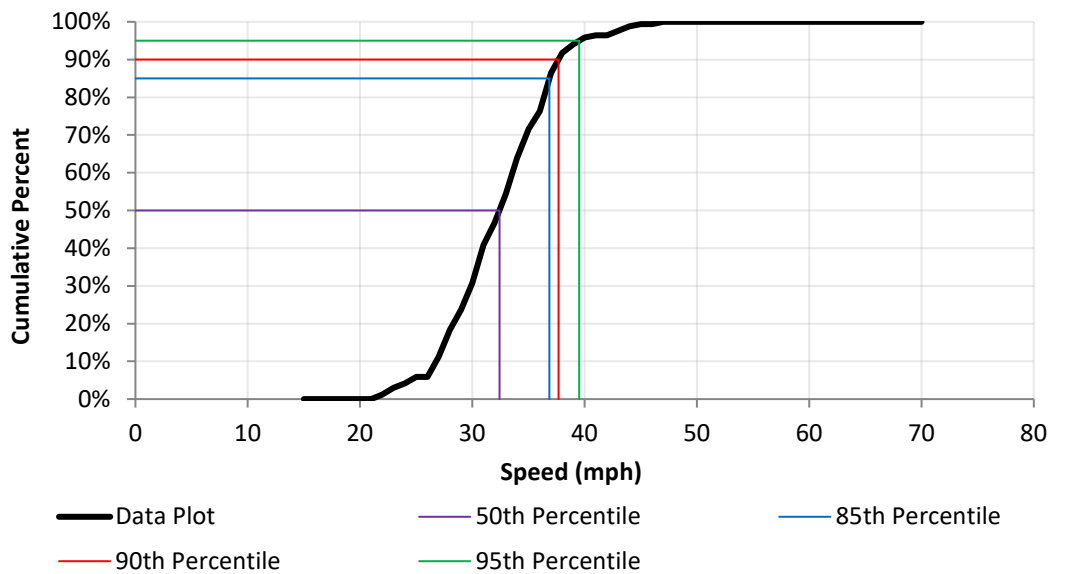
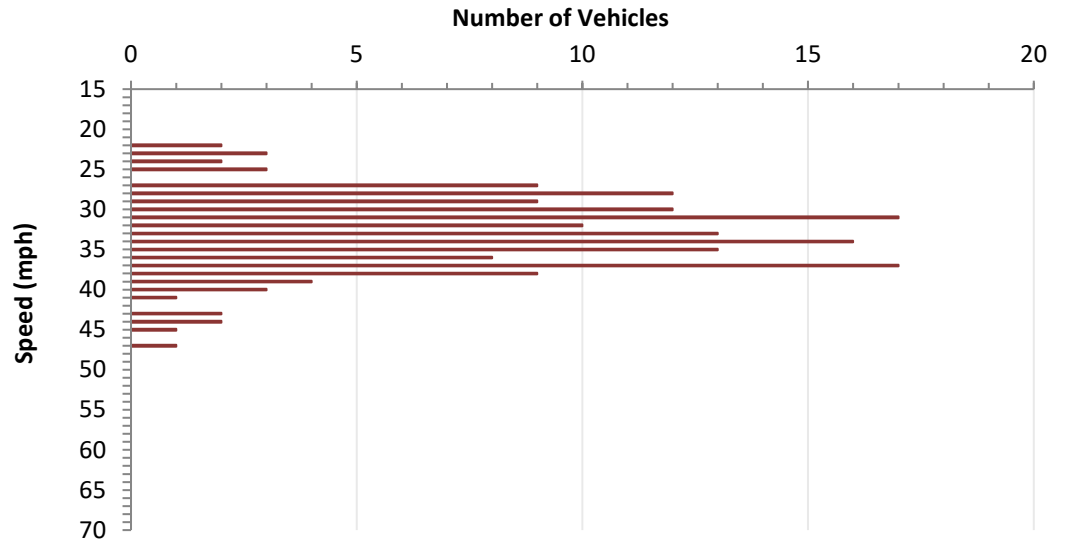
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Alvarado St	From:	Stage Coach Ln	To:	Live Oak Park Rd
Position:	175' W/o Orvil Wy	Direction:	EB/WB		

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-003
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		
21		
22	2	1.2%
23	3	3.0%
24	2	4.1%
25	3	5.9%
26		
27	9	11.2%
28	12	18.3%
29	9	23.7%
30	12	30.8%
31	17	40.8%
32	10	46.7%
33	13	54.4%
34	16	63.9%
35	13	71.6%
36	8	76.3%
37	17	86.4%
38	9	91.7%
39	4	94.1%
40	3	95.9%
41	1	96.4%
42		
43	2	97.6%
44	2	98.8%
45	1	99.4%
46		
47	1	100.0%
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	169	



DATA ANALYSIS

Average Speed	32.9	Range	22 - 47
50th Percentile	32.4	10 mph Pace	28 - 37
85th Percentile	36.9	Number in Pace	127
90th Percentile	37.7	Percent in Pace	75%
95th Percentile	39.5		



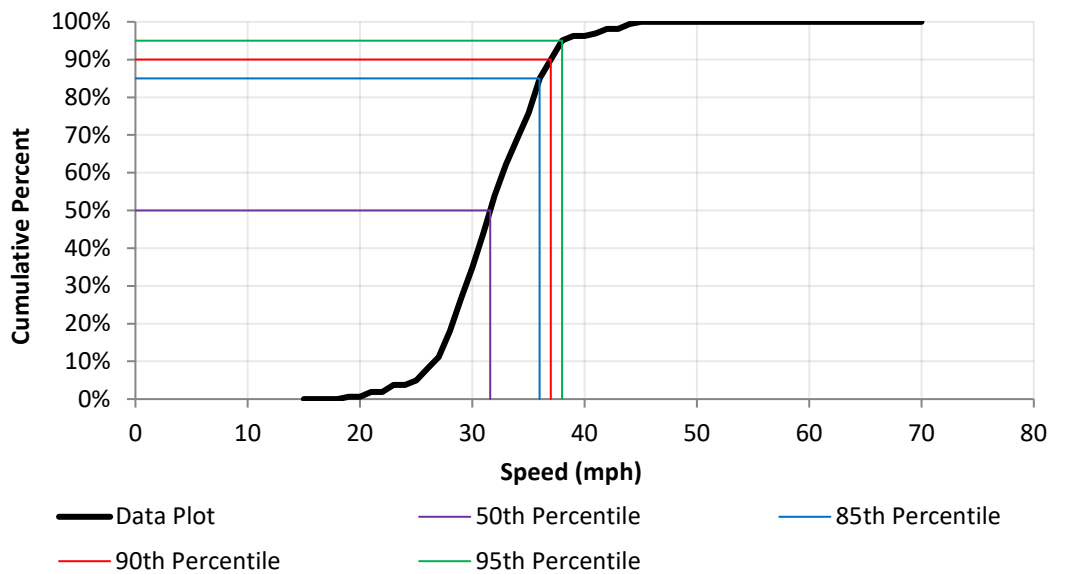
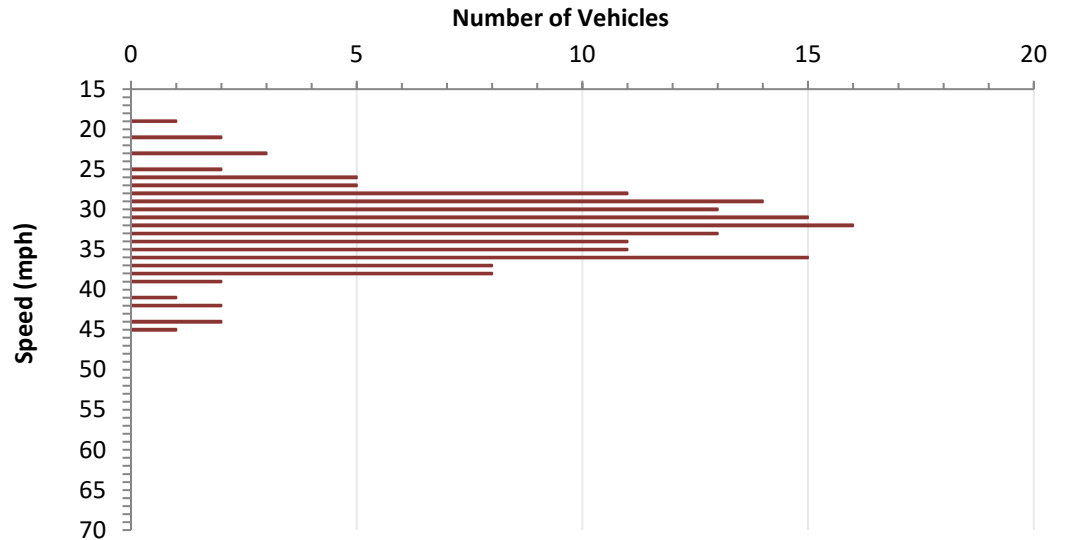
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Alvarado St	From:	Stage Coach Ln	To:	Live Oak Park Rd
Position:	100' W/o S Emilia Ln	Direction:	EB/WB		

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-002
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	35 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19	1	0.6%
20		
21	2	1.9%
22		
23	3	3.7%
24		
25	2	5.0%
26	5	8.1%
27	5	11.2%
28	11	18.0%
29	14	26.7%
30	13	34.8%
31	15	44.1%
32	16	54.0%
33	13	62.1%
34	11	68.9%
35	11	75.8%
36	15	85.1%
37	8	90.1%
38	8	95.0%
39	2	96.3%
40		
41	1	96.9%
42	2	98.1%
43		
44	2	99.4%
45	1	100.0%
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	161	



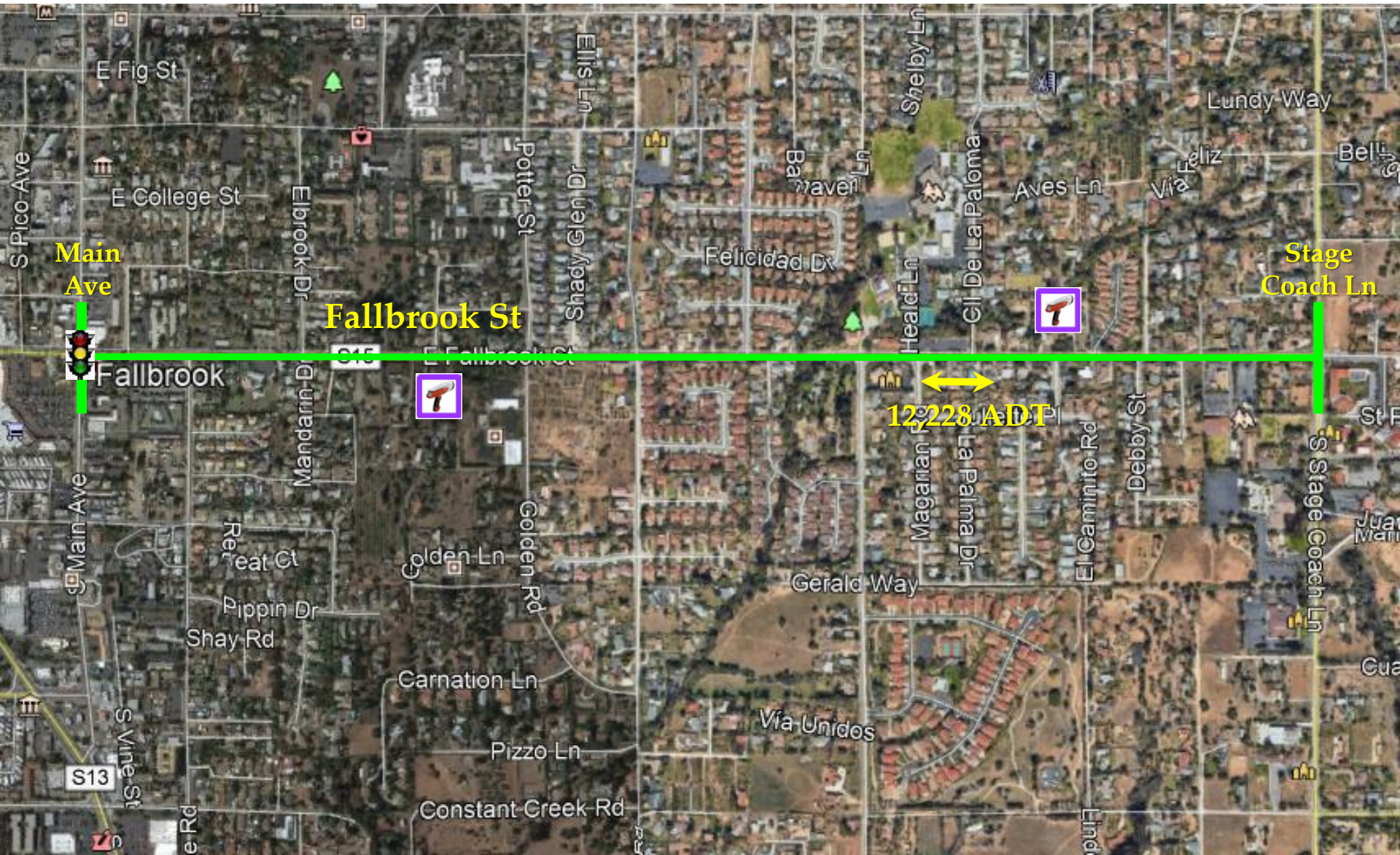
DATA ANALYSIS

Average Speed	32.2	Range	19 - 45
50th Percentile	31.6	10 mph Pace	28 - 37
85th Percentile	36.0	Number in Pace	127
90th Percentile	37.0	Percent in Pace	79%
95th Percentile	38.0		

5-C. Radar Certification

Fallbrook Street

Main Ave to Stage Coach Ln (1.36 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021

Item 5-C

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Fallbrook Street from Main Avenue to Stage Coach Lane (a distance of 1.36 miles)
FALLBROOK (Thos. Bros. 1027-F3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Fallbrook Street from Main Avenue to Stage Coach Lane is 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

Fallbrook Street is a striped two-lane divided through highway with a 24 to 32 foot travelled way on a 44 to 55 foot road bed. The roadway is striped with a two way left turn lane. The roadway is also posted with intersection advisory signs as well as a posted 25 MPH speed zone adjacent to Fallbrook Senior Center. The segment also contains a signalized intersection at Heald Lane/Magarian Road. Fallbrook Street 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

	<u>10/20</u>	<u>10/12</u>
Fallbrook Street:		
E/o McDonald Road	12,228	14,880

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Alvarado Street:				
At Village View Place	(2021)	43.2 MPH	35-44	73.0%
	(2012)	41.0 MPH	33-42	83.0%
At Las Ramblas	(2021)	44.8 MPH	37-46	79.0%
	(2012)	45.0 MPH	34-43	69.8%
Speed Zone	(2021)	44.0 MPH	36-45	76.0%
	(2012)	43.0 MPH	34-43	76.4%

Collision Data

There have been 33 reported collisions along this segment of roadway, 9 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 1.80 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

Fallbrook St E/O McDonald Rd

Day: Tuesday
Date: 10/6/2020City: Fallbrook
Project #: CA20_040197_011

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						5,943	6,285						12,228
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			6	5	11		12:00			101	85	186							
00:15			4	2	6		12:15			95	83	178							
00:30			3	4	7		12:30			178	86	264							
00:45			3	16	2	13	12:45			208	582	215	469	423	1051				
01:00			3	1	4		13:00			140	206	346							
01:15			2	2	4		13:15			100	156	256							
01:30			3	3	6		13:30			95	152	247							
01:45			1	9	2	8	13:45			91	426	114	628	205	1054				
02:00			5	3	8		14:00			99	108	207							
02:15			4	2	6		14:15			95	80	175							
02:30			2	5	7		14:30			96	87	183							
02:45			1	12	0	10	14:45			121	411	123	398	244	809				
03:00			4	3	7		15:00			113	149	262							
03:15			5	2	7		15:15			117	118	235							
03:30			1	2	3		15:30			110	128	238							
03:45			3	13	2	9	15:45			111	451	152	547	263	998				
04:00			7	4	11		16:00			119	130	249							
04:15			6	6	12		16:15			108	131	239							
04:30			14	3	17		16:30			124	116	240							
04:45			13	40	9	22	16:45			125	476	128	505	253	981				
05:00			23	9	32		17:00			111	103	214							
05:15			31	16	47		17:15			128	130	258							
05:30			32	23	55		17:30			121	104	225							
05:45			47	133	35	83	17:45			108	468	95	432	203	900				
06:00			54	30	84		18:00			81	69	150							
06:15			64	33	97		18:15			87	96	183							
06:30			72	47	119		18:30			69	85	154							
06:45			75	265	60	170	18:45			74	311	78	328	152	639				
07:00			86	49	135		19:00			71	84	155							
07:15			98	66	164		19:15			51	61	112							
07:30			141	89	230		19:30			51	73	124							
07:45			162	487	125	329	19:45			39	212	48	266	87	478				
08:00			130	251	381		20:00			54	34	88							
08:15			127	202	329		20:15			35	26	61							
08:30			90	140	230		20:30			39	47	86							
08:45			73	420	78	671	20:45			26	154	35	142	61	296				
09:00			79	81	160		21:00			32	24	56							
09:15			75	68	143		21:15			20	24	44							
09:30			62	86	148		21:30			20	16	36							
09:45			71	287	88	323	21:45			16	88	14	78	30	166				
10:00			67	92	159		22:00			19	19	38							
10:15			71	83	154		22:15			14	15	29							
10:30			75	90	165		22:30			14	8	22							
10:45			80	293	87	352	22:45			11	58	10	52	21	110				
11:00			66	94	160		23:00			4	10	14							
11:15			77	90	167		23:15			6	8	14							
11:30			85	108	193		23:30			5	13	18							
11:45			80	308	119	411	23:45			8	23	8	39	16	62				
TOTALS			2283	2401	4684		TOTALS			3660	3884	7544							
SPLIT %			48.7%	51.3%	38.3%		SPLIT %			48.5%	51.5%	61.7%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						5,943	6,285						12,228
AM Peak Hour			07:30	07:45	07:30		PM Peak Hour			12:30	12:45	12:30							
AM Pk Volume			560	718	1227		PM Pk Volume			626	729	1289							
Pk Hr Factor			0.864	0.715	0.805		Pk Hr Factor			0.752	0.848	0.762							
7 - 9 Volume	0	0	907	1000	1907		4 - 6 Volume	0	0	944	937	1881							
7 - 9 Peak Hour			07:30	07:45	07:30		4 - 6 Peak Hour			16:30	16:00	16:00							
7 - 9 Pk Volume	0	0	560	718	1227		4 - 6 Pk Volume	0	0	488	505	981							
Pk Hr Factor	0.000	0.000	0.864	0.715	0.805		Pk Hr Factor	0.000	0.000	0.953	0.964	0.969							



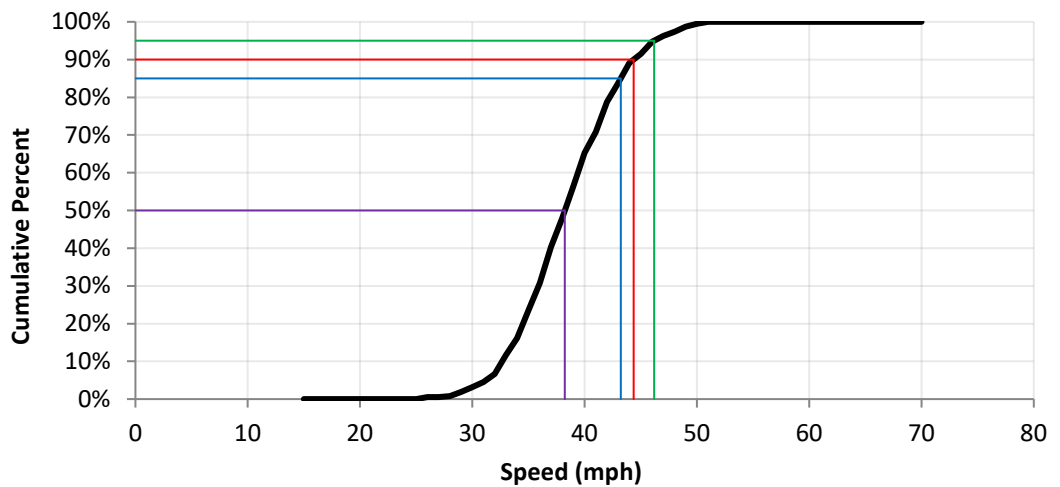
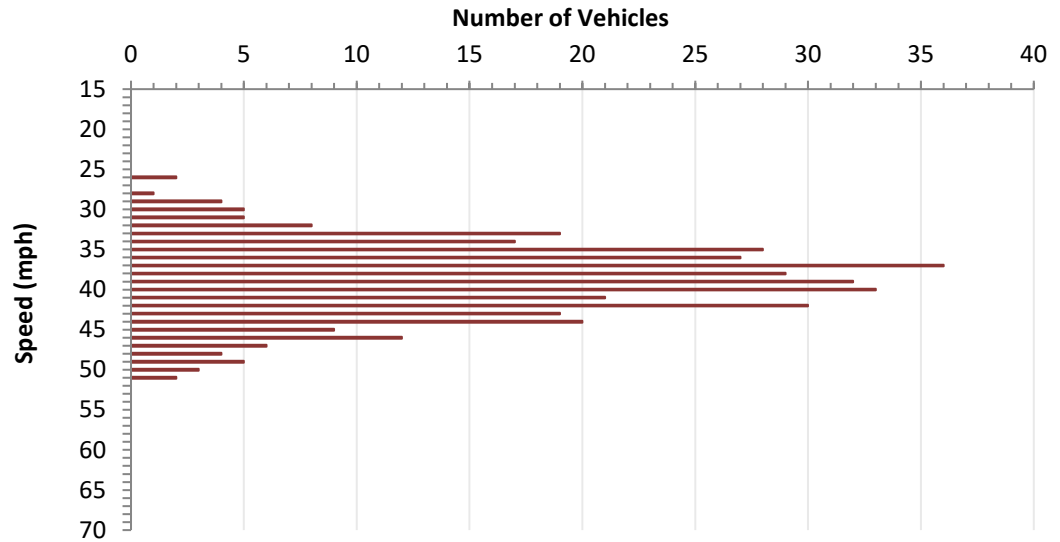
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Fallbrook St	From:	Main Av	To:	Stage Coach Ln
Position:	at Village View Pl			Direction:	EB/WB

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-009
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:45 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	0.5%
27		
28	1	0.8%
29	4	1.9%
30	5	3.2%
31	5	4.5%
32	8	6.6%
33	19	11.7%
34	17	16.2%
35	28	23.6%
36	27	30.8%
37	36	40.3%
38	29	48.0%
39	32	56.5%
40	33	65.3%
41	21	70.8%
42	30	78.8%
43	19	83.8%
44	20	89.1%
45	9	91.5%
46	12	94.7%
47	6	96.3%
48	4	97.3%
49	5	98.7%
50	3	99.5%
51	2	100.0%
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	377	



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

DATA ANALYSIS

Average Speed	38.9	Range	26 - 51
50th Percentile	38.2	10 mph Pace	35 - 44
85th Percentile	43.2	Number in Pace	275
90th Percentile	44.4	Percent in Pace	73%
95th Percentile	46.2		



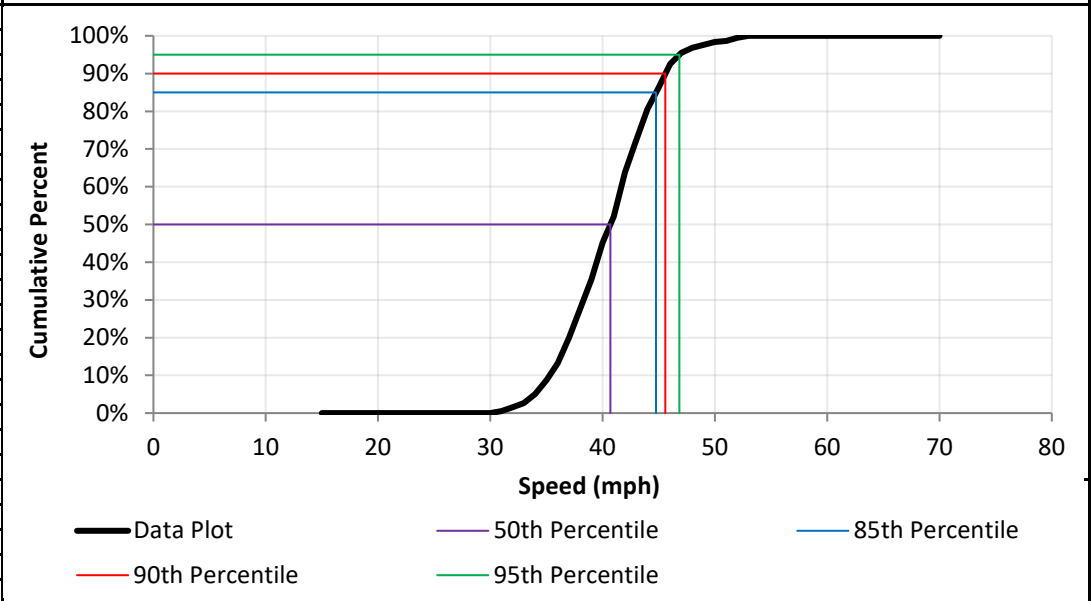
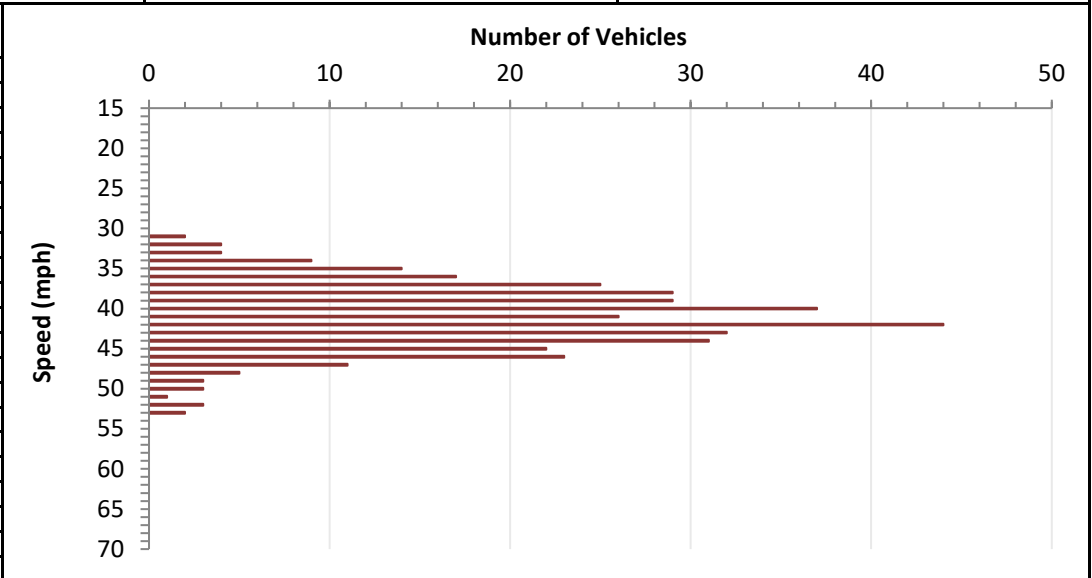
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Fallbrook St	From:	Main Av	To:	Stage Coach Ln
Position:	at Las Ramblas	Direction:	EB/WB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-010
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:45 PM	Posted Speed:	40 MPH	Calibration Test:	Y

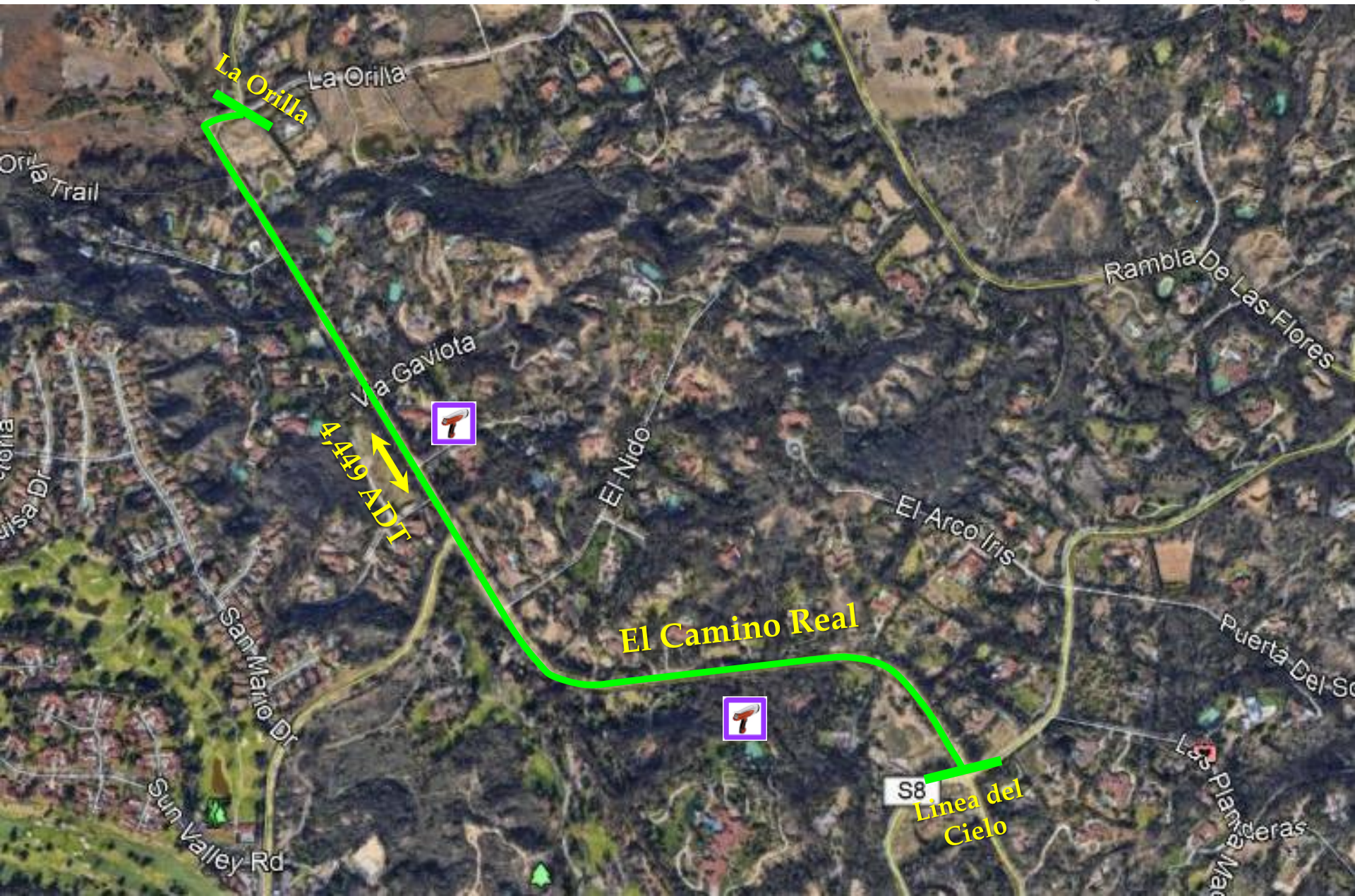
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31	2	0.5%
32	4	1.6%
33	4	2.7%
34	9	5.1%
35	14	8.8%
36	17	13.3%
37	25	19.9%
38	29	27.7%
39	29	35.4%
40	37	45.2%
41	26	52.1%
42	44	63.8%
43	32	72.3%
44	31	80.6%
45	22	86.4%
46	23	92.6%
47	11	95.5%
48	5	96.8%
49	3	97.6%
50	3	98.4%
51	1	98.7%
52	3	99.5%
53	2	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	376	



DATA ANALYSIS			
Average Speed	41.1	Range	31 - 53
50th Percentile	40.7	10 mph Pace	37 - 46
85th Percentile	44.8	Number in Pace	298
90th Percentile	45.6	Percent in Pace	79%
95th Percentile	46.8		

5-D. Radar Certification

El Camino Real from La Orilla to Linea del Cielo (1.24 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021 **Item 5-D**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: El Camino Real from La Orilla to Linea del Cielo (a distance of 1.24 miles) RANCHO SANTA FE (Thos. Bros. 1167-J4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

El Camino Real from La Orilla to Linea del Cielo is 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

El Camino Real is a striped two-lane roadway with a 22 to 24 foot travelled way on a 30 to 44 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is also posted with horse advisory signs, a curve advisory with advisory speed plaque, and turn advisory with advisory speed plaque. El Camino Real is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>04/13</u>
El Camino Real:		
100' S/o Via Gaviota	4,449	6,140

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
El Camino Real:				
100' S/o Via Gaviota	(2021)	48.0 MPH	38-47	68.0%
	(2012)	47.0 MPH	38-47	73.0%
1,525' N/o Linea del Cielo	(2021)	47.5 MPH	37-46	63.0%
Speed Zone	(2021)	47.8 MPH	38-47	65.5%

Collision Data

There have been 4 reported collisions along this segment of roadway, 1 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment

accident rate of 0.66 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds 45 to 55 MPH.

VOLUME

El Camino Real 100' S/O Via Gaviota

Day: Tuesday
Date: 10/13/2020City: San Diego
Project #: CA20_040201_012

DAILY TOTALS					NB	SB	EB					WB	Total
					2,123	2,326						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0			0	12:00	51	43			94		
00:15	0	0			0	12:15	43	35			78		
00:30	0	0			0	12:30	34	47			81		
00:45	2	2	0		2	12:45	30	158	45	170	75 328		
01:00	0	1			1	13:00	31	40			71		
01:15	1	0			1	13:15	41	42			83		
01:30	2	0			2	13:30	32	40			72		
01:45	0	3	0	1	0	13:45	38	142	35	157	73 299		
02:00	0	0			0	14:00	42	36			78		
02:15	0	0			0	14:15	45	42			87		
02:30	0	0			0	14:30	46	37			83		
02:45	0	1	1		1	14:45	45	178	40	155	85 333		
03:00	0	0			0	15:00	67	55			122		
03:15	0	1			1	15:15	71	44			115		
03:30	1	1			2	15:30	50	67			117		
03:45	0	1	1	3	1	15:45	60	248	42	208	102 456		
04:00	0	1			1	16:00	40	39			79		
04:15	0	0			0	16:15	55	43			98		
04:30	0	2			2	16:30	47	36			83		
04:45	0	2	5		2	16:45	60	202	43	161	103 363		
05:00	1	2			3	17:00	46	58			104		
05:15	0	1			1	17:15	44	40			84		
05:30	2	3			5	17:30	49	27			76		
05:45	5	8	9	15	14	17:45	36	175	41	166	77 341		
06:00	3	3			6	18:00	42	26			68		
06:15	7	6			13	18:15	34	34			68		
06:30	13	16			29	18:30	42	25			67		
06:45	35	58	28	53	63	18:45	30	148	28	113	58 261		
07:00	15	30			45	19:00	22	17			39		
07:15	11	66			77	19:15	17	15			32		
07:30	26	69			95	19:30	12	6			18		
07:45	32	84	59	224	91	19:45	11	62	7	45	18 107		
08:00	38	59			97	20:00	18	8			26		
08:15	24	51			75	20:15	15	5			20		
08:30	27	54			81	20:30	12	6			18		
08:45	27	116	64	228	91	20:45	10	55	9	28	19 83		
09:00	39	46			85	21:00	9	3			12		
09:15	36	50			86	21:15	9	4			13		
09:30	47	61			108	21:30	4	4			8		
09:45	28	150	56	213	84	21:45	7	29	3	14	10 43		
10:00	36	40			76	22:00	7	2			9		
10:15	31	48			79	22:15	7	4			11		
10:30	30	44			74	22:30	4	3			7		
10:45	31	128	43	175	74	22:45	5	23	2	11	7 34		
11:00	32	44			76	23:00	3	2			5		
11:15	35	49			84	23:15	3	3			6		
11:30	42	41			83	23:30	1	2			3		
11:45	36	145	39	173	75	23:45	1	8	0	7	1 15		
TOTALS	695	1091			1786	TOTALS	1428	1235			2663		
SPLIT %	38.9%	61.1%			40.1%	SPLIT %	53.6%	46.4%			59.9%		

DAILY TOTALS					NB	SB						EB	WB	Total
					2,123	2,326						0	0	4,449
AM Peak Hour	11:30	07:15			08:45	PM Peak Hour	15:00	15:00			15:00			
AM Pk Volume	172	253			370	PM Pk Volume	248	208			456			
Pk Hr Factor	0.843	0.917			0.856	Pk Hr Factor	0.873	0.776			0.934			
7 - 9 Volume	200	452	0	0	652	4 - 6 Volume	377	327	0	0	704			
7 - 9 Peak Hour	07:45	07:15			07:15	4 - 6 Peak Hour	16:15	16:15			16:15			
7 - 9 Pk Volume	121	253	0	0	360	4 - 6 Pk Volume	208	180	0	0	388			
Pk Hr Factor	0.796	0.917	0.000	0.000	0.928	Pk Hr Factor	0.867	0.776	0.000	0.000	0.933			



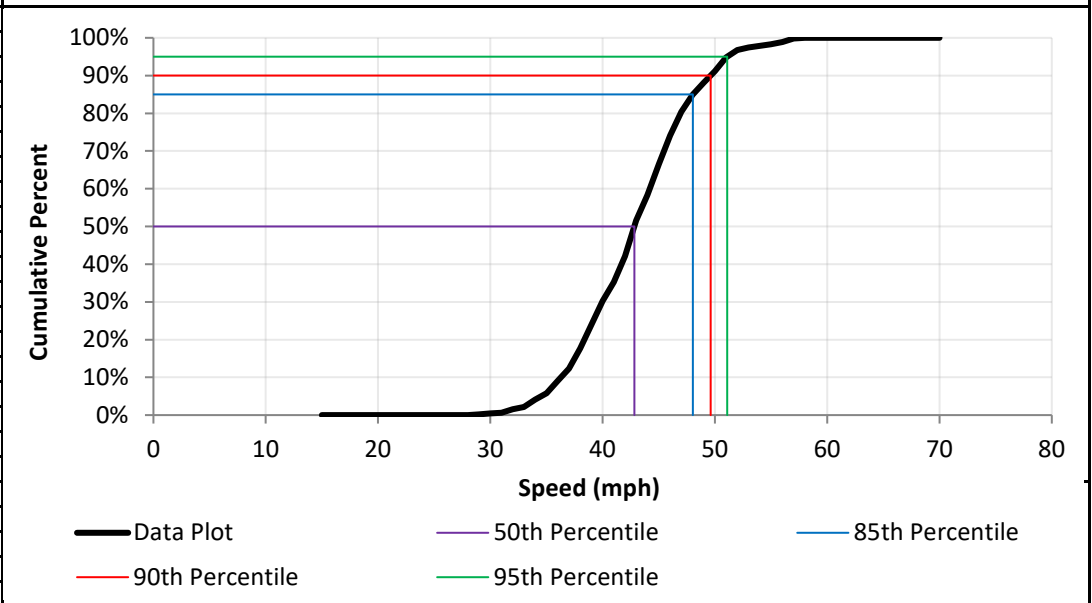
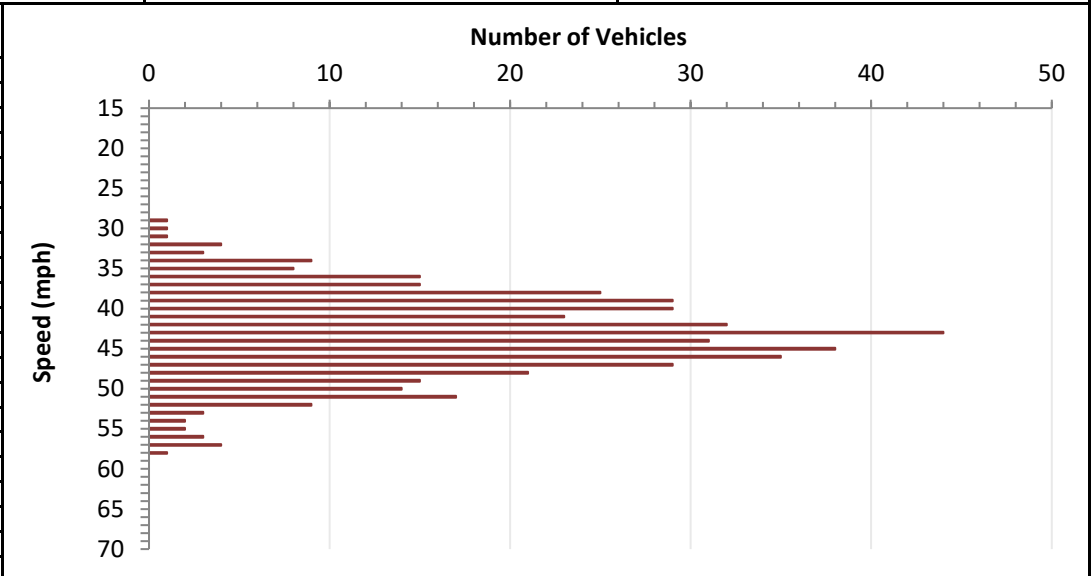
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	El Camino Real	From:	La Orilla	To:	Linea del Cielo
Position:	100' S/o Via Gaviota	Direction:	NB/SB		

Date:	2/16/2021	Weather:	Clear	Project Number:	21-040023-006
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:45 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	1	0.2%
30	1	0.4%
31	1	0.6%
32	4	1.5%
33	3	2.2%
34	9	4.1%
35	8	5.8%
36	15	9.1%
37	15	12.3%
38	25	17.7%
39	29	24.0%
40	29	30.2%
41	23	35.2%
42	32	42.1%
43	44	51.6%
44	31	58.3%
45	38	66.5%
46	35	74.1%
47	29	80.3%
48	21	84.9%
49	15	88.1%
50	14	91.1%
51	17	94.8%
52	9	96.8%
53	3	97.4%
54	2	97.8%
55	2	98.3%
56	3	98.9%
57	4	99.8%
58	1	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	463	



DATA ANALYSIS

Average Speed	43.4	Range	29 - 58
50th Percentile	42.8	10 mph Pace	38 - 47
85th Percentile	48.0	Number in Pace	315
90th Percentile	49.6	Percent in Pace	68%
95th Percentile	51.1		



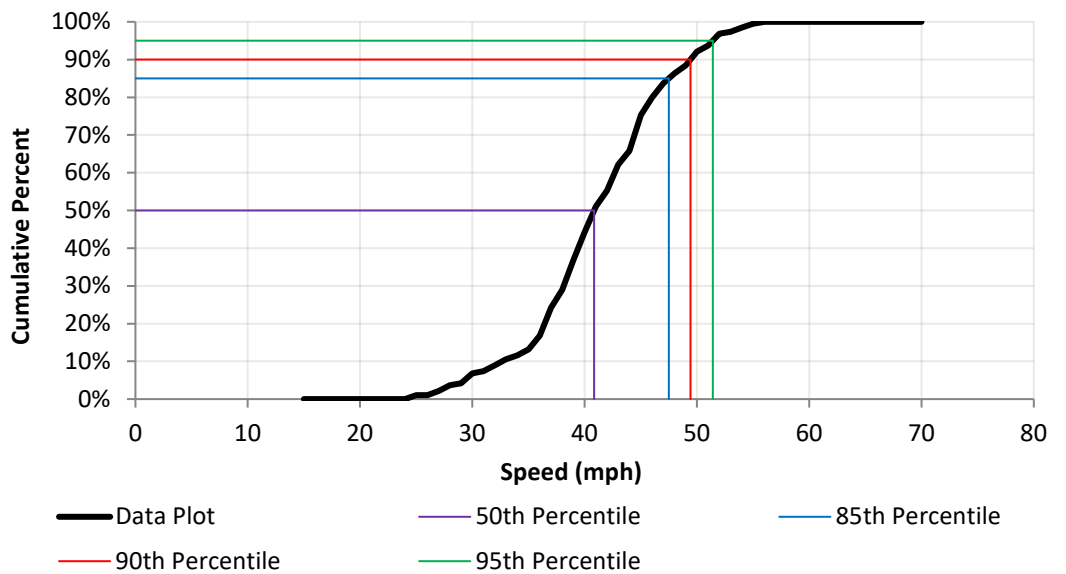
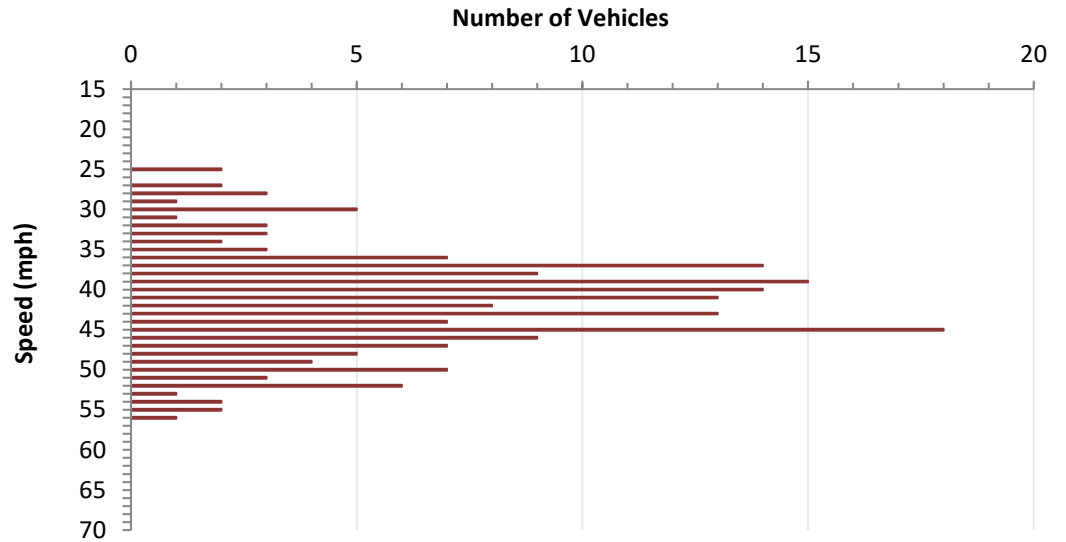
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	El Camino Real	From:	La Orilla	To:	Linea del Cielo
Position:	1,525' N/o Linea del Cielo	Direction:	NB/SB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-007
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:45 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	2	1.1%
26		
27	2	2.1%
28	3	3.7%
29	1	4.2%
30	5	6.8%
31	1	7.4%
32	3	8.9%
33	3	10.5%
34	2	11.6%
35	3	13.2%
36	7	16.8%
37	14	24.2%
38	9	28.9%
39	15	36.8%
40	14	44.2%
41	13	51.1%
42	8	55.3%
43	13	62.1%
44	7	65.8%
45	18	75.3%
46	9	80.0%
47	7	83.7%
48	5	86.3%
49	4	88.4%
50	7	92.1%
51	3	93.7%
52	6	96.8%
53	1	97.4%
54	2	98.4%
55	2	99.5%
56	1	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	190	



DATA ANALYSIS

Average Speed	41.5	Range	25 - 56
50th Percentile	40.8	10 mph Pace	37 - 46
85th Percentile	47.5	Number in Pace	120
90th Percentile	49.4	Percent in Pace	63%
95th Percentile	51.4		

5-E. Radar Certification

El Camino Real

Linea del Cielo to San Diego city limits (1.13 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021 **Item 5-E**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: El Camino Real from Linea del Cielo to the San Diego city limit (near Rancho del Madison) (a distance of 1.13 miles) RANCHO SANTA FE (Thos. Bros. 1168-B6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

El Camino Real from Linea del Cielo to the San Diego city limit (near Rancho del Madison) is 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

El Camino Real is a striped two-lane roadway with a 22 to 24 foot travelled way on a 30 to 44 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is also posted with a turn advisory with advisory speed plaque. El Camino Real is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volumes

El Camino Real:

	<u>10/20</u>	<u>03/13</u>
2,000' N/o Sun Valley Road	1,731	2,900

Speed Data

El Camino Real:

	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
2,000' N/o Sun Valley Road(2021)	48.5 MPH	39-48	63.0%
(2012)	48.1 MPH	38-47	61.0%
100' N/o Rancho Real (2021)	43.7 MPH	34-43	71.0%
Speed Zone (2021)	46.1 MPH	37-46	67.0%

Collision Data

There have been 3 reported collisions along this segment of roadway, 1 of which involved injury, in a 3 year period (12-01-2017 to 11-30-2020). These collisions result in a segment accident rate of 1.40 collisions per million vehicle miles. The statewide average is 1.32

collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds 45 to 55 MPH.

VOLUME

El Camino Real 2,000' N/O Sun Valley Rd

Day: Tuesday
Date: 10/13/2020City: Rancho Santa Fe
Project #: CA20_040201_013

DAILY TOTALS					NB	SB	EB					WB	Total
					821	910	0					0	1,731
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0			0	12:00	21	20			41		
00:15	0	0			0	12:15	14	21			35		
00:30	0	0			0	12:30	19	21			40		
00:45	0	0			0	12:45	13	67	14	76	27	143	
01:00	0	0			0	13:00	16	19			35		
01:15	1	0			1	13:15	17	20			37		
01:30	1	0			1	13:30	18	17			35		
01:45	0	2	0		0	13:45	15	66	10	66	25	132	
02:00	0	0			0	14:00	10	14			24		
02:15	0	0			0	14:15	24	18			42		
02:30	0	0			0	14:30	18	10			28		
02:45	0	0			0	14:45	27	79	20	62	47	141	
03:00	0	0			0	15:00	15	18			33		
03:15	0	0			0	15:15	18	24			42		
03:30	0	2			2	15:30	17	34			51		
03:45	0	1	3		1	15:45	21	71	22	98	43	169	
04:00	0	0			0	16:00	22	10			32		
04:15	0	0			0	16:15	15	24			39		
04:30	0	0			0	16:30	21	8			29		
04:45	0	1	1		1	16:45	25	83	28	70	53	153	
05:00	0	0			0	17:00	19	22			41		
05:15	0	1			1	17:15	19	29			48		
05:30	2	1			3	17:30	21	14			35		
05:45	1	3	3	5	4	17:45	13	72	14	79	27	151	
06:00	1	1			2	18:00	38	15			53		
06:15	0	3			3	18:15	12	11			23		
06:30	2	2			4	18:30	11	7			18		
06:45	9	12	14	20	23	18:45	17	78	11	44	28	122	
07:00	8	9			17	19:00	11	6			17		
07:15	4	23			27	19:15	6	5			11		
07:30	7	19			26	19:30	5	4			9		
07:45	13	32	22	73	35	19:45	3	25	2	17	5	42	
08:00	13	20			33	20:00	6	1			7		
08:15	11	21			32	20:15	5	4			9		
08:30	14	17			31	20:30	0	1			1		
08:45	13	51	14	72	27	20:45	3	14	1	7	4	21	
09:00	3	14			17	21:00	3	0			3		
09:15	14	18			32	21:15	5	1			6		
09:30	14	20			34	21:30	1	4			5		
09:45	16	47	18	70	34	21:45	3	12	3	8	6	20	
10:00	11	12			23	22:00	5	0			5		
10:15	8	19			27	22:15	1	4			5		
10:30	13	16			29	22:30	1	1			2		
10:45	7	39	14	61	21	22:45	1	8	2	7	3	15	
11:00	13	13			26	23:00	2	1			3		
11:15	14	17			31	23:15	2	1			3		
11:30	12	16			28	23:30	2	2			4		
11:45	14	53	19	65	33	23:45	1	7	2	6	3	13	
TOTALS	239	370			609	TOTALS	582	540			1122		
SPLIT %	39.2%	60.8%			35.2%	SPLIT %	51.9%	48.1%			64.8%		

DAILY TOTALS					NB	SB						EB	WB	Total
					821	910						0	0	1,731
AM Peak Hour	11:45	07:15			11:45	PM Peak Hour	17:15	15:00			16:45			
AM Pk Volume	68	84			149	PM Pk Volume	91	98			177			
Pk Hr Factor	0.810	0.913			0.909	Pk Hr Factor	0.599	0.721			0.835			
7 - 9 Volume	83	145	0	0	228	4 - 6 Volume	155	149	0	0	304			
7 - 9 Peak Hour	07:45	07:15			07:45	4 - 6 Peak Hour	16:30	16:45			16:45			
7 - 9 Pk Volume	51	84	0	0	131	4 - 6 Pk Volume	84	93	0	0	177			
Pk Hr Factor	0.911	0.913	0.000	0.000	0.936	Pk Hr Factor	0.840	0.802	0.000	0.000	0.835			



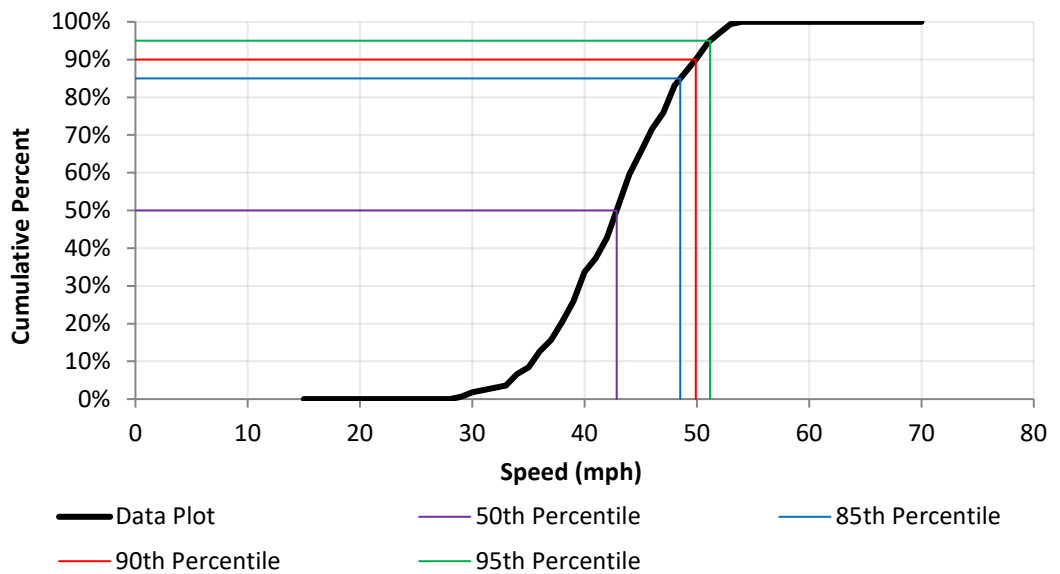
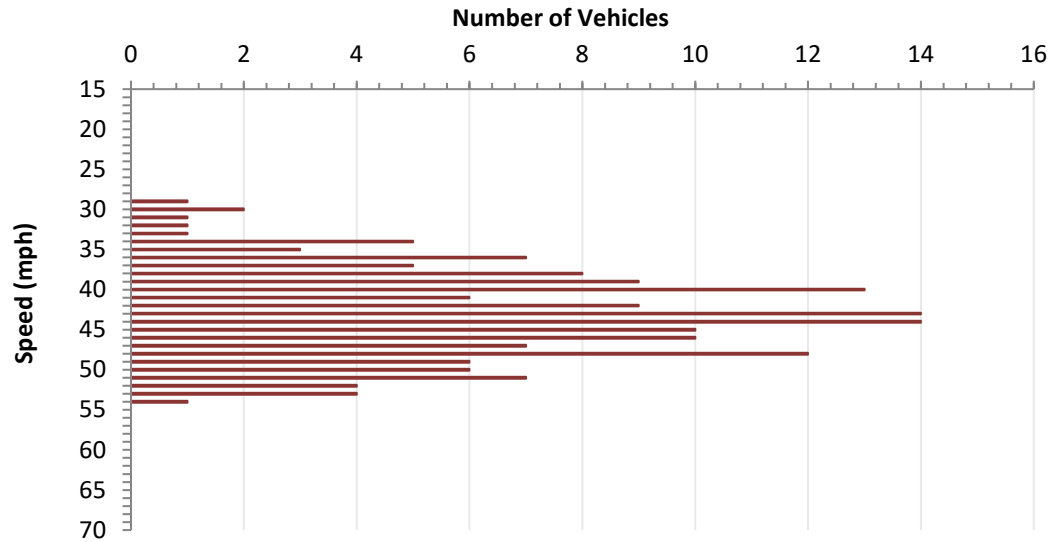
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	El Camino Real	From:	Linea del Cielo	To:	San Diego C/L
Position:	2,000' N/o Sun Valley Rd	Direction:	NB/SB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-008
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	1	0.6%
30	2	1.8%
31	1	2.4%
32	1	3.0%
33	1	3.6%
34	5	6.6%
35	3	8.4%
36	7	12.7%
37	5	15.7%
38	8	20.5%
39	9	25.9%
40	13	33.7%
41	6	37.3%
42	9	42.8%
43	14	51.2%
44	14	59.6%
45	10	65.7%
46	10	71.7%
47	7	75.9%
48	12	83.1%
49	6	86.7%
50	6	90.4%
51	7	94.6%
52	4	97.0%
53	4	99.4%
54	1	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	166	



DATA ANALYSIS

Average Speed	43.1	Range	29 - 54
50th Percentile	42.9	10 mph Pace	39 - 48
85th Percentile	48.5	Number in Pace	104
90th Percentile	49.9	Percent in Pace	63%
95th Percentile	51.2		



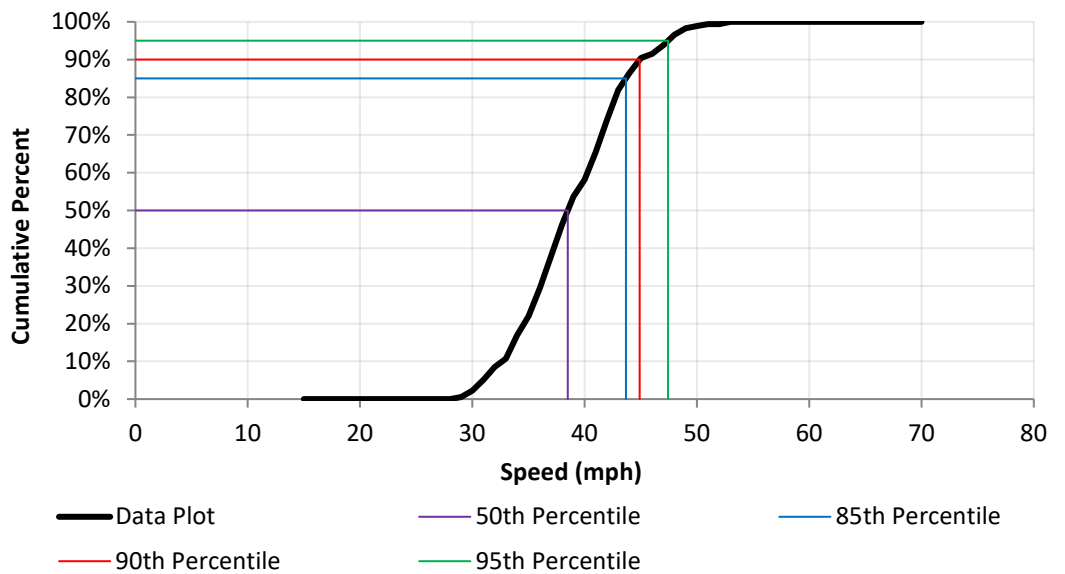
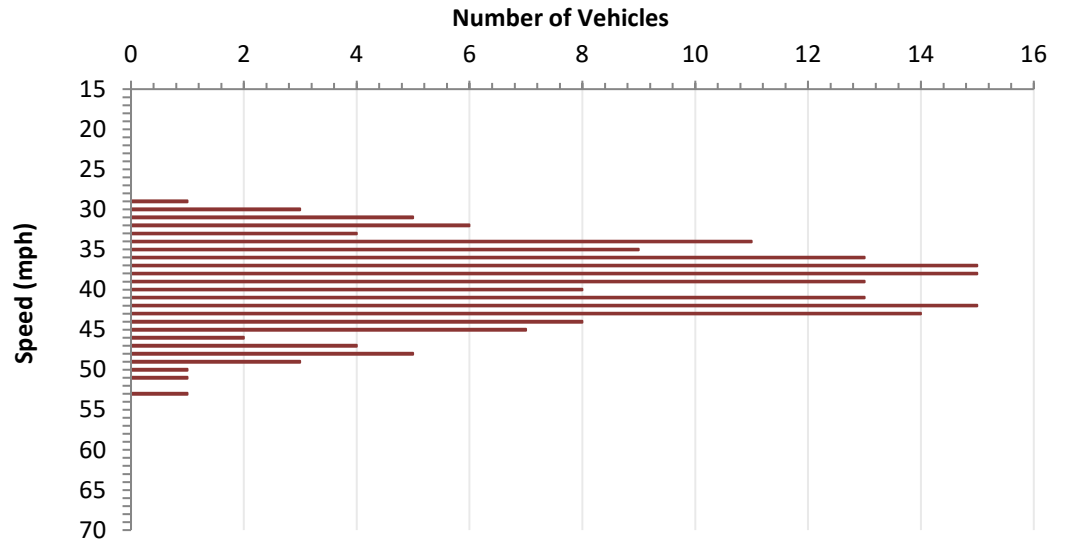
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	El Camino Real	From:	Linea del Cielo	To:	San Diego C/L
Position:	100' N/o Rancho Real	Direction:	NB/SB		

Date:	2/18/2021	Weather:	Clear	Project Number:	21-040023-005
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	1	0.6%
30	3	2.3%
31	5	5.1%
32	6	8.5%
33	4	10.7%
34	11	16.9%
35	9	22.0%
36	13	29.4%
37	15	37.9%
38	15	46.3%
39	13	53.7%
40	8	58.2%
41	13	65.5%
42	15	74.0%
43	14	81.9%
44	8	86.4%
45	7	90.4%
46	2	91.5%
47	4	93.8%
48	5	96.6%
49	3	98.3%
50	1	98.9%
51	1	99.4%
52		
53	1	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	177	



DATA ANALYSIS

Average Speed	39.3	Range	29 - 53
50th Percentile	38.5	10 mph Pace	34 - 43
85th Percentile	43.7	Number in Pace	126
90th Percentile	44.9	Percent in Pace	71%
95th Percentile	47.4		

5-F. Bridge Weight Limits
Santa Ysabel Creek North Fork Bridge
On Mesa Grande Road, 295' west of State Route 79



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: April 23, 2021 **Item 5-F**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Bridge Weight Limits

LOCATION: Mesa Grande Road, 295' west of State Route 79
(Santa Ysabel Creek North Fork) SANTA YSABEL
(Thos. Bros. 1109-H1)

INITIATED BY: Capital Improvement Program (CIP)
Eric Ng
858-694-2517
eric.ng@sdcounty.ca.gov

REQUEST: Bridge Weight Limits

PROBLEM AS STATED BY REQUESTER:

Caltrans Structure Maintenance and Investigations performed a routine bridge inspection for the Santa Ysabel Creek North Fork Bridge on Mesa Grande Road at 295' west of State Route 79 in accordance with Title 23 of the Code of Federal Regulations (Federal Highway Act) and the National Bridge Inspection Standards (NBIS). The bridge has been rated considering its deficiencies, structural adequacy, safe load carrying capacity and overall general condition.

Posting for limited load carrying capacities is recommended for this structure.
The following weight limits have been recommended for the following load types:

Type 3 (3 Axle Legal Truck)
6 Tons per Vehicle

Type 3S2 (5 Axle Legal Truck and Trailer Combination)
9 Tons per Semi Trailer Combinaton

Type 3-3 (6 Axle Legal Truck and Trailer Combination)
12 Tons per Truck and Full Trailer

CIP STRUCTURAL STATEMENT:

CIP concurs with Caltrans recommendation of posting for limited carrying capacities for the Mesa Grande Road Bridge over N. Fork Santa Ysabel Creek (Bridge No. 57C-0363). CIP also concurs with the following recommended weight limits per Caltrans:

Type 3 (3-axle) – 6 tons per vehicle

Type 3-S2 (5-axle) – 9 tons per semi trailer combination

Type 3-3 (6-axle) – 12 tons per truck and full trailer

CIP will develop a project to install cross bracing at mid-span of the existing steel girders to correct this deficiency.



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.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: April 13, 2021

Item Title: Bridge Weight Limits

Location: North Glen Oaks Drive bridge, Alpine & North Fork Santa Ysabel Creek Bridge

Recommendation: **Install R12-1 & R12-5 Weight Limit Signs**

Conditions:

- Sections 35752 "Maximum Weights; Signs" of the California Vehicle Code (CVC) provides the County with the authority to post a weight restriction on a bridge within the County jurisdiction due to structural deficiencies.
- Section 2B.59 "Weight Limit Signs" of the California MUTCD, identifies the appropriate type and placement of weight limit signs on a bridge if, after inspection of such bridge structure, a weight limitation is necessary and appropriate.
- The 764 North Glen Oaks Drive timber bridge in the Community of Alpine was inspected recently by County staff and found to be deficient structurally and a weight limit of 4-tons was identified and recommended.
- The North Fork Santa Ysabel Creek bridge was also inspected by Caltrans staff for its structural integrity and found to be deficient as well and a weight limit based on vehicle types was identified and recommended.
- Pursuant to CVC section 35752, the CA MUTCD Section 3B.59 and the inspector reports, it is my recommendation that an R12-1 "Weight Limit 4 tons" sign and an R12-5 "Weight Limit – 6 tons Type 3 Vehicle; 9 tons Type 3S2 Vehicle; and 12 tons Type 3-3 Vehicle" be placed to limit the loads on these two bridges due to their structural deficiencies for motorist safety.

DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE & INVESTIGATIONS
100 South Main Street, 3rd Floor
Los Angeles, CA 90012
PHONE (213) 897-2004
FAX (213) 897-2033



*Making Conservation
a California Way of Life.*

February 13, 2021

Bridge Number: **57C0363**

Bridge Name: N. FORK SANTA YSABEL CRK (ME)

Mr. Richard E Crompton
Director Of Public Works
County of San Diego
5510 Overland Avenue, Ste 410
San Diego, CA 92123-1237

Dear Mr. Crompton:

In accordance with Title 23 of the Code of Federal Regulations (Federal Highway Act) and the National Bridge Inspection Standards (NBIS), Caltrans Structure Maintenance and Investigations performed a Routine Inspection for the above noted bridge. This bridge has been rated considering its deficiencies, structural adequacy, safe load carrying capacity and overall general condition.

Posting for limited load carrying capacities is recommended for this structure. After you have reviewed the report, please notify us within 30 days as to what action you propose to take with regard to the posting (permanent or temporary) or corrective maintenance.

Section 35754 of the California Vehicle Code extends authority to the County to temporarily post restrictive weights on a bridge structure for periods not in excess of ninety (90) days. The most commonly used authority for permanently posting a bridge structure exists in Section 35751. Specific notification, public hearings and a signed posting order are among the requirements contained within that Section.

If you wish to discuss these or other aspects of the bridge posting process, please call Gregory Haylock @ (213) 897-0871 or Jeff Yang @ (213) 897-1545.

Sincerely,

ChingChao

CHING CHAO
Office Chief
Structure Maintenance & Investigations - (Investigations South)

Enclosures

DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE & INVESTIGATIONS
 100 South Main Street, 3rd Floor
 Los Angeles, CA 90012
 PHONE (213) 897-2004
 FAX (213) 897-2033



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 a California Way of Life.*

Bridge Report Transmittal Sheet

Batch **65882**

Br. Number	Bridge Name	Inspection		Outstanding
		Date	Type	
57C0363	N. FORK SANTA YSABEL CRK (MESA	01/07/2021	Routine	Y

Open/Posted/Closed (41):	P: Posted For Load	Type 3:	<u>6</u>	Tons per Vehicle
Posting (70):	<u>2 20.0-29.9% below legal</u>	Type 3S2:	<u>9</u>	Tons per Semi Trailer Combination
		Type 3-3:	<u>12</u>	Tons per Truck and Full Trailer

For NAME and/or ADDRESS CHANGES, please e-mail smi.office@dot.ca.gov

"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability."

DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
STRUCTURE MAINTENANCE & INVESTIGATIONS
100 South Main Street, 3rd Floor
Los Angeles, CA 90012
PHONE (213) 897-2004
FAX (213) 897-2033



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Inspection Type Definitions**Routine Inspection:**

Routine Inspections consist of both the initial Inventory Inspection (the first inspection of the bridge that places it in the bridge inventory or when there has been a change in the configuration of the structure) and subsequent regularly scheduled inspections. The initial inspection provides all the Structural Inventory & Appraisal (SI&A) data required by federal and state regulations, determines the baseline structural conditions, lists any existing problems, and establishes the load capacity of the structure. Subsequent inspections consist of observations, measurements needed to determine the physical and functional condition of the bridge, to identify any changes from the previously recorded conditions, and verification of its load capacity. These inspections are generally conducted from the deck, ground and/or water level, and from permanent work platforms and walkways, if present. Inspection of underwater portions of the substructure is limited to observations during low-flow periods and/or probing for signs of undermining. Special equipment should be utilized in circumstances where its use provides the only practical access to areas of the structure.

Fracture Critical, Special Feature & Underwater Inspections:

Fracture Critical, Special Feature, and Underwater Inspections are up close, hands-on inspections of one or more members above or below the water level to identify any deficiencies not readily detectable using Routine Inspection procedures. These inspections generally require special equipment such as under-bridge inspection equipment, manlifts, boats, traffic control, and railroad flagging. Personnel with special skills such as divers or structural steel inspectors trained in non-destructive testing techniques may be required.

Other Inspections:

Other Inspections are conducted on damaged structures, structures that have developed specific problems, or structures suspected of developing problems. The scope of these investigations should be sufficient to determine the need for emergency load restrictions or closure of the structure, monitor a changing condition, and to access the level of effort necessary to effect a repair.