

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

November 30, 2020

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the December 11, 2020, meeting of the Traffic Advisory Committee (TAC).

Social distancing is currently mandatory due to the COVID-19 pandemic. This TAC meeting on December 11, 2020, will be conducted with a virtual meeting platform option. Please use this link below to join the meeting:

Microsoft Teams meeting

Join on your computer or mobile app. [Learn More](#)

[Click here to join the meeting](#)

Or call in (audio only) [+1 619-343-2539](#) United States, San Diego

Phone Conference ID: 910 245 452#

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

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

Very truly yours,

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

KRJ:bb

Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

December 11, 2020 ~ 9:00 AM

5510 Overland Ave, Room 271

San Diego CA, 92123

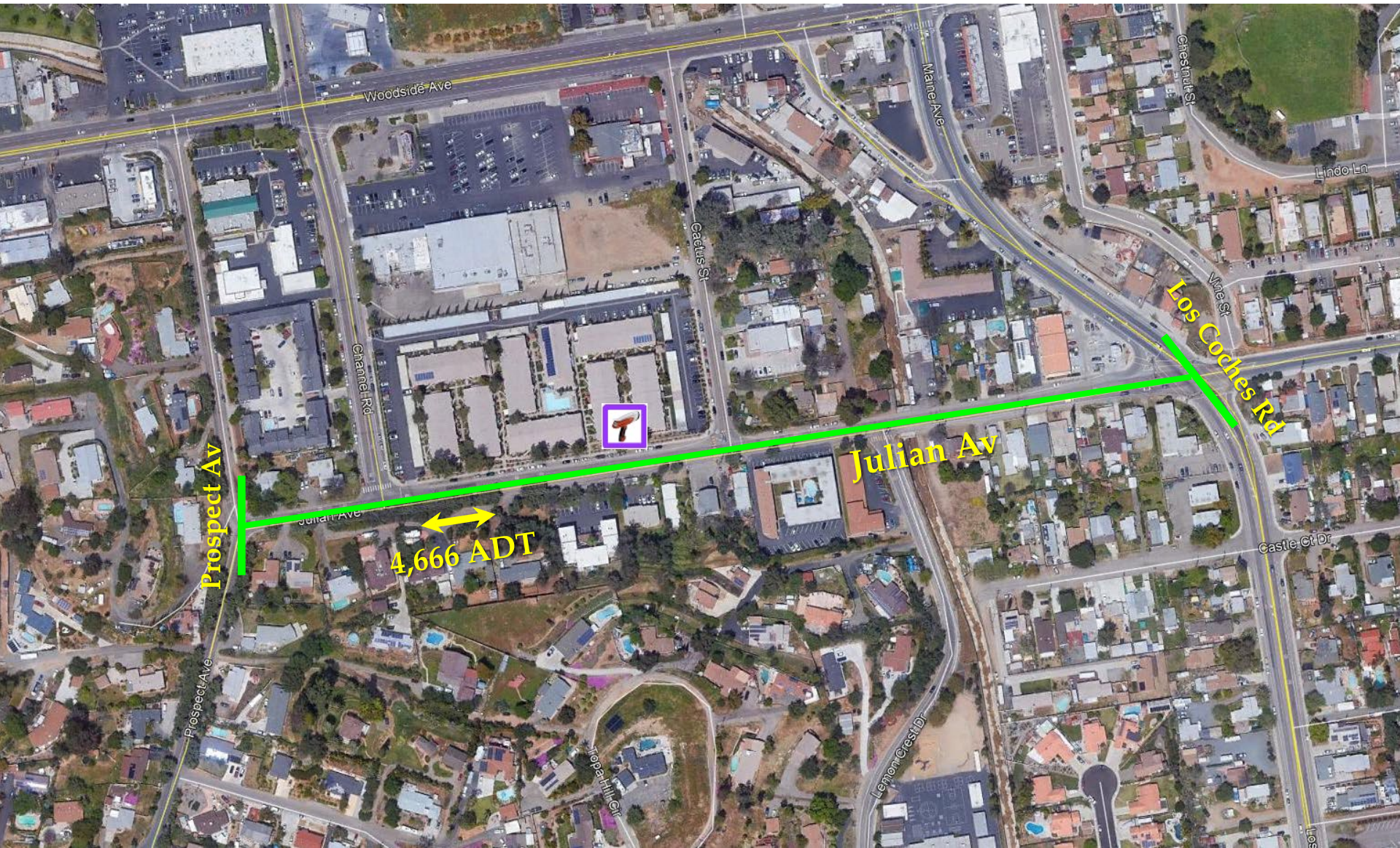
AGENDA

- 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	JULIAN AVE	LAKESIDE	LAKESIDE
2-B.	RADAR CERTIFICATION	JULIAN AVE	LAKESIDE	LAKESIDE
2-C.	RADAR CERTIFICATION	JAMACHA BLVD	LA PRESA	SPRING VALLEY
2-D.	RADAR CERTIFICATION	JAMACHA BLVD	LA PRESA	SPRING VALLEY
2-E.	RADAR CERTIFICATION	JAMACHA BLVD	CASA DE ORO	SPRING VALLEY/ VALLE DE ORO
2-F.	INTERSECTION CONTROL	PROCTOR VALLEY RD & MAXFIELD RD	JAMUL	JAMUL-DULZURA
<u>SUPERVISORIAL DISTRICT 5</u>				
5-A.	RADAR CERTIFICATION	CAMINO DEL REY	BONSALL	BONSALL
5-B.	RADAR CERTIFICATION	CAMINO DEL REY	BONSALL	BONSALL
5-C.	RADAR CERTIFICATION	CAMINO DEL REY	BONSALL	BONSALL
5-D.	RADAR CERTIFICATION	VALLEY CENTER RD	VALLEY CENTER	VALLEY CENTER
5-E.	RADAR CERTIFICATION	VALLEY CENTER RD	VALLEY CENTER	VALLEY CENTER

2-A. Radar Certification

Julian Av from Prospect Av to Los Coches Rd (0.37 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Julian Avenue from Prospect Avenue to Los Cocheros Road (a distance of 0.37 miles) LAKESIDE (Thos. Bros. 1232-A4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Julian Avenue from Prospect Avenue to Los Cocheros Road is a posted 35 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 35 MPH speed limit for radar enforcement.

Existing Traffic Devices

Julian Avenue is a striped two-lane roadway with a 24 to 50-foot travelled way on a 30 to 60-foot road bed. The roadway is striped with a no passing centerline and white edgeline. There is an all-way stop at Channel Road and a pedestrian hybrid beacon at Cactus Street. The roadway is classified as a Light Collector on the County General Plan Mobility Element Network. Julian Avenue is posted 35 MPH radar enforced.

Average Daily Traffic Volumes

Julian Avenue:

E/o Cactus Street

10/20

4,666

03/17

5,808

Speed Data

Julian Avenue:

280' W/o Cactus Street

(2020)

(2009)

**85th
Percentile**

40.2 MPH

36.0 MPH

**10 MPH
Pace**

33-42

27-36

**% in
Pace**

95.0%

74.4%

Collision Data

There have been 7 reported collision along this segment of roadway, 3 of which involved injury, in a 3 year period (06-01-17 to 05-31-20). This collision resulted in a segment accident rate of 3.71 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 mile per hour.

VOLUME

Julian Ave 100' E/O Cactus St

Day: Tuesday
Date: 10/27/2020City: Lakeside
Project #: CA20_040201_019

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,270	2,396						4,666
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			1	2	3		12:00			33	31	64							
00:15			5	2	7		12:15			43	31	74							
00:30			1	3	4		12:30			29	46	75							
00:45			2	9	4	18	12:45			36	141	73	286						
01:00			1	2	3		13:00			48	32	80							
01:15			1	2	3		13:15			46	58	104							
01:30			0	0	0		13:30			36	56	92							
01:45			0	2	0	4	13:45			37	167	88	364						
02:00			3	2	5		14:00			60	49	109							
02:15			1	0	1		14:15			38	47	85							
02:30			4	1	5		14:30			29	47	76							
02:45			1	9	1	12	14:45			68	195	134	404						
03:00			0	2	2		15:00			48	38	86							
03:15			0	0	0		15:15			63	35	98							
03:30			1	2	3		15:30			46	45	91							
03:45			1	2	3	8	15:45			71	228	117	392						
04:00			0	2	2		16:00			59	49	108							
04:15			2	1	3		16:15			66	45	111							
04:30			3	5	8		16:30			85	51	136							
04:45			2	7	6	19	16:45			75	285	107	462						
05:00			5	4	9		17:00			63	55	118							
05:15			6	5	11		17:15			77	43	120							
05:30			2	9	11		17:30			49	44	93							
05:45			18	31	29	60	17:45			43	232	88	419						
06:00			11	27	38		18:00			37	47	84							
06:15			7	15	22		18:15			37	44	81							
06:30			9	18	27		18:30			35	53	88							
06:45			20	47	50	137	18:45			25	134	51	304						
07:00			22	29	51		19:00			23	30	53							
07:15			40	54	94		19:15			23	26	49							
07:30			43	60	103		19:30			22	23	45							
07:45			50	155	120	368	19:45			17	85	30	177						
08:00			25	44	69		20:00			21	14	35							
08:15			23	48	71		20:15			20	14	34							
08:30			16	35	51		20:30			21	13	34							
08:45			26	90	65	256	20:45			11	73	22	125						
09:00			20	29	49		21:00			11	15	26							
09:15			17	13	30		21:15			11	9	20							
09:30			20	24	44		21:30			11	8	19							
09:45			15	72	43	166	21:45			11	44	23	88						
10:00			19	30	49		22:00			7	7	14							
10:15			22	24	46		22:15			7	13	20							
10:30			26	31	57		22:30			6	9	15							
10:45			24	91	58	210	22:45			2	22	11	60						
11:00			31	31	62		23:00			5	0	5							
11:15			33	53	86		23:15			3	4	7							
11:30			39	38	77		23:30			1	5	6							
11:45			33	136	76	301	23:45			4	13	6	24						
TOTALS			651	910	1561		TOTALS			1619	1486	3105							
SPLIT %			41.7%	58.3%	33.5%		SPLIT %			52.1%	47.9%	66.5%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,270	2,396						4,666
AM Peak Hour			07:15	07:15	07:15		PM Peak Hour			16:30	13:15	16:30							
AM Pk Volume			158	228	386		PM Pk Volume			300	214	481							
Pk Hr Factor			0.790	0.814	0.804		Pk Hr Factor			0.882	0.922	0.884							
7 - 9 Volume	0	0	245	379	624		4 - 6 Volume	0	0	517	364	881							
7 - 9 Peak Hour			07:15	07:15	07:15		4 - 6 Peak Hour			16:30	17:00	16:30							
7 - 9 Pk Volume	0	0	158	228	386		4 - 6 Pk Volume	0	0	300	187	481							
Pk Hr Factor	0.000	0.000	0.790	0.814	0.804		Pk Hr Factor	0.000	0.000	0.882	0.850	0.884							



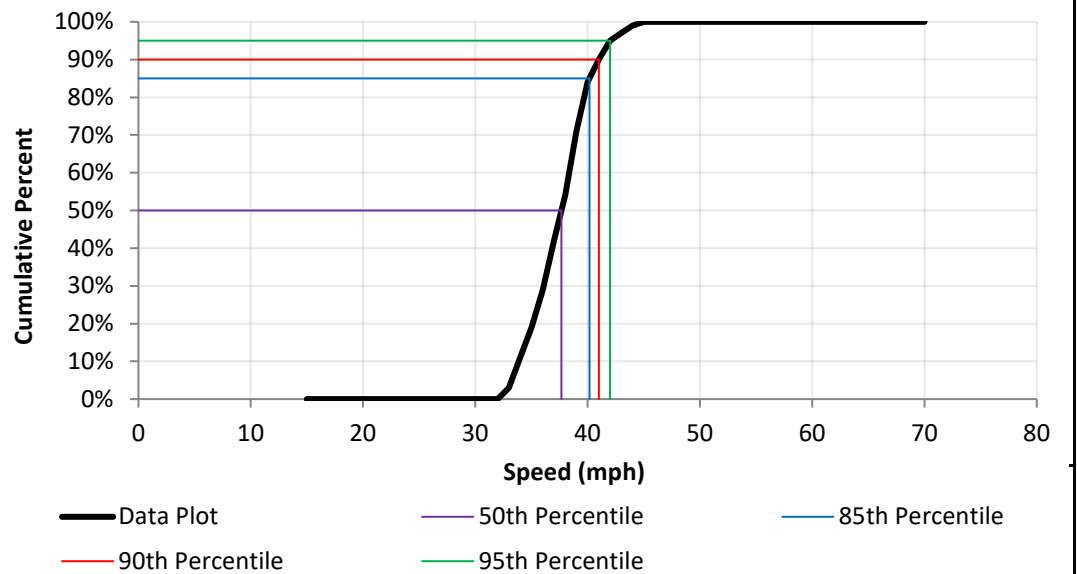
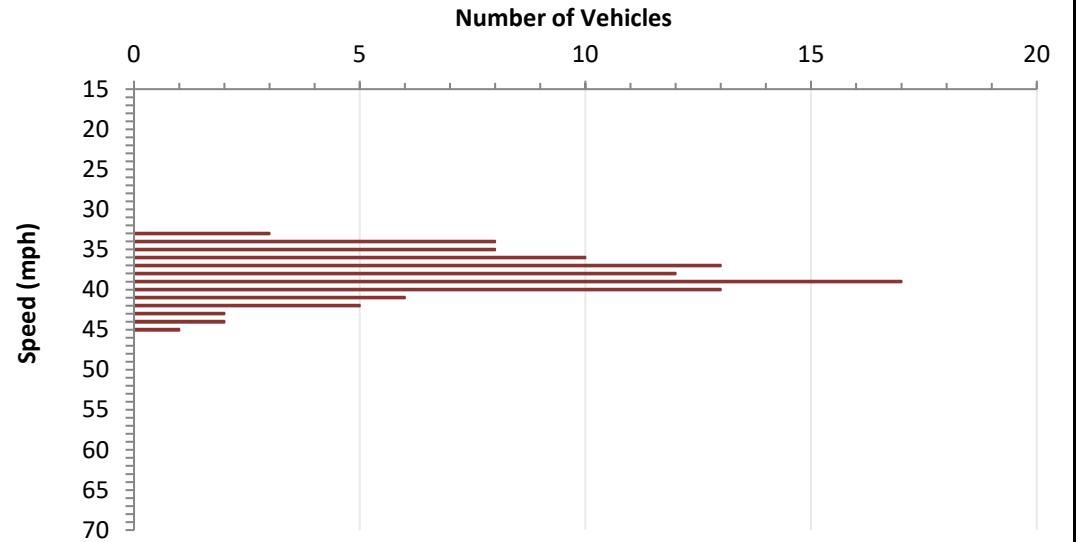
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Julian Av	From:	Prospect Av	To:	Los Coches Rd
Position:	280' W/o Cactus St	Direction:	EB/WB		

Date:	10/7/2020	Weather:	Clear	Project Number:	20-040200-007
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	2:00 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		
27		
28		
29		
30		
31		
32		
33	3	3.0%
34	8	11.0%
35	8	19.0%
36	10	29.0%
37	13	42.0%
38	12	54.0%
39	17	71.0%
40	13	84.0%
41	6	90.0%
42	5	95.0%
43	2	97.0%
44	2	99.0%
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	100	



DATA ANALYSIS

Average Speed	38.1	Range	33 - 45
50th Percentile	37.7	10 mph Pace	33 - 42
85th Percentile	40.2	Number in Pace	95
90th Percentile	41.0	Percent in Pace	95%
95th Percentile	42.0		

2-B. Radar Certification

Julian Av from Los Coches Rd to Prospect Av (1.21 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 2-B

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Julian Avenue from Los Coches Road to Lake Jennings Park Road (a distance of 1.21 miles)
LAKESIDE (Thos. Bros. 1232-B4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Julian Avenue from Los Coches Road to Lake Jennings Park Road is a posted 40 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support recertifying the 40 MPH speed limit for radar enforcement.

Existing Traffic Devices

Julian Avenue is a striped two-lane local roadway with a 24 to 40-foot travelled way on a 30 to 54-foot road bed. The roadway is striped with a no passing centerline and white edge line. There is a traffic control signalized intersection at Petite Lane and an all-way stop intersection at Pico Road. Julian Avenue has a 30 MPH speed advisory turn between Woodland Vista Drive and Choisser Lane. The roadway is classified as a Light Collector on the County General Plan Mobility Element Network. Julian Avenue is posted 40 MPH radar enforced.

Average Daily Traffic Volumes

Julian Avenue:

E/o Petite Lane

10/20

6/15

6,228

5,470

Speed Data

Julian Avenue:

490' E/o Pino Drive

(2020)

(2015)

**85th
Percentile**

39.6 MPH

40.0 MPH

**10 MPH
Pace**

33-42

32-41

**% in
Pace**

97.0%

87.0%

230' W/o Cypress Street

(2020)

(2015)

40.8 MPH

41.0 MPH

33-42

33-42

92.0%

85.0%

Speed Zone

(2020)

(2015)

40.2 MPH

40.5 MPH

33-42

33-42

94.5%

86.0%

Collision Data

There have been 21 reported collision along this segment of roadway, 13 of which involved injury, in a 3 year period (06-01-17 to 05-31-20). This collision resulted in a segment accident rate of 2.55 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 mile per hour.

VOLUME

Julian Ave 200' E/O Petite Ln

Day: Tuesday
Date: 10/27/2020City: Lakeside
Project #: CA20_040201_020

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	3,177					3,051	6,228
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			5	9	14		12:00			50	39	89	
00:15			4	1	5		12:15			57	40	97	
00:30			2	3	5		12:30			51	52	103	
00:45			3	14	8	21	12:45			44	202	61	192
01:00			3	2	5		13:00			58	45	103	
01:15			3	1	4		13:15			60	65	125	
01:30			0	3	3		13:30			49	51	100	
01:45			1	7	0	6	13:45			57	224	58	219
02:00			1	2	3		14:00			75	49	124	
02:15			1	0	1		14:15			71	68	139	
02:30			2	3	5		14:30			55	61	116	
02:45			1	5	3	8	14:45			68	269	50	228
03:00			1	1	2		15:00			56	53	109	
03:15			0	0	0		15:15			89	53	142	
03:30			0	4	4		15:30			91	56	147	
03:45			0	1	4	9	15:45			74	310	64	226
04:00			0	2	2		16:00			115	44	159	
04:15			2	4	6		16:15			80	61	141	
04:30			2	7	9		16:30			95	59	154	
04:45			6	10	12	25	16:45			81	371	49	213
05:00			2	7	9		17:00			78	54	132	
05:15			6	10	16		17:15			84	62	146	
05:30			14	23	37		17:30			72	63	135	
05:45			13	35	21	61	17:45			74	308	55	234
06:00			14	30	44		18:00			45	47	92	
06:15			13	33	46		18:15			64	47	111	
06:30			11	40	51		18:30			48	48	96	
06:45			23	61	36	139	18:45			57	214	33	175
07:00			18	54	72		19:00			40	48	88	
07:15			47	73	120		19:15			37	37	74	
07:30			37	83	120		19:30			37	23	60	
07:45			42	144	58	268	19:45			34	148	18	126
08:00			37	57	94		20:00			41	16	57	
08:15			47	80	127		20:15			28	15	43	
08:30			31	56	87		20:30			31	11	42	
08:45			37	152	60	253	20:45			33	133	18	60
09:00			26	30	56		21:00			17	14	31	
09:15			34	34	68		21:15			16	10	26	
09:30			27	31	58		21:30			13	5	18	
09:45			32	119	42	137	21:45			13	59	13	42
10:00			29	57	86		22:00			18	7	25	
10:15			34	43	77		22:15			14	13	27	
10:30			43	43	86		22:30			9	5	14	
10:45			29	135	46	189	22:45			11	52	9	34
11:00			44	37	81		23:00			6	8	14	
11:15			42	46	88		23:15			5	5	10	
11:30			59	39	98		23:30			2	4	6	
11:45			43	188	43	165	23:45			3	16	4	21
TOTALS			871	1281	2152		TOTALS			3	2306	1770	4076
SPLIT %			40.5%	59.5%	34.6%		SPLIT %			56.6%	43.4%	65.4%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,177	3,051						6,228
AM Peak Hour			11:30	07:30	07:30		PM Peak Hour			16:00	13:45	15:45							
AM Pk Volume			209	278	441		PM Pk Volume			371	236	592							
Pk Hr Factor			0.886	0.837	0.868		Pk Hr Factor			0.807	0.868	0.931							
7 - 9 Volume	0	0	296	521	817		4 - 6 Volume	0	0	679	447	1126							
7 - 9 Peak Hour			07:15	07:30	07:30		4 - 6 Peak Hour			16:00	17:00	16:00							
7 - 9 Pk Volume	0	0	163	278	441		4 - 6 Pk Volume	0	0	371	234	584							
Pk Hr Factor	0.000	0.000	0.867	0.837	0.868		Pk Hr Factor	0.000	0.000	0.807	0.929	0.918							



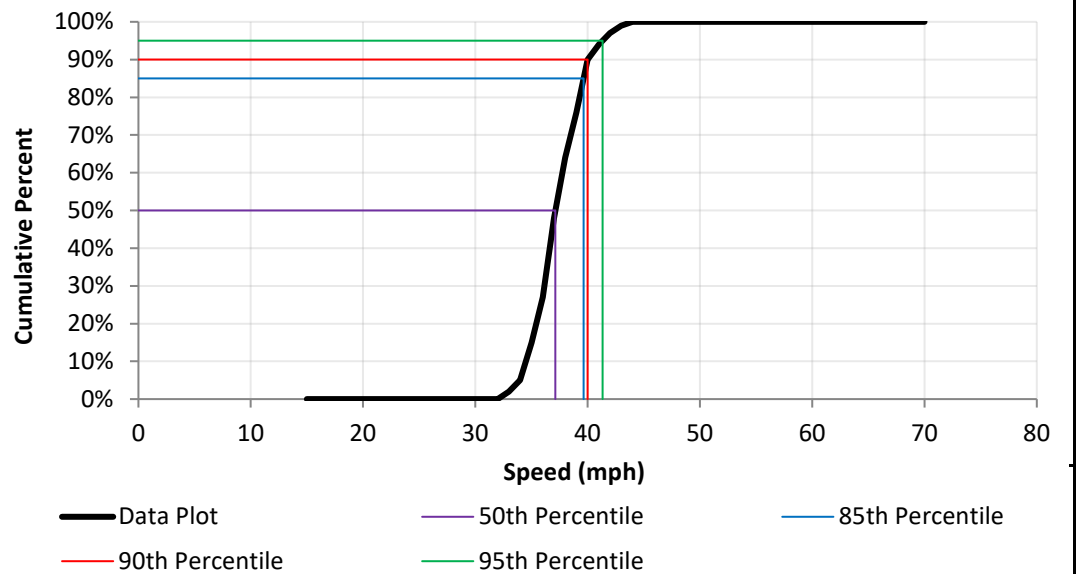
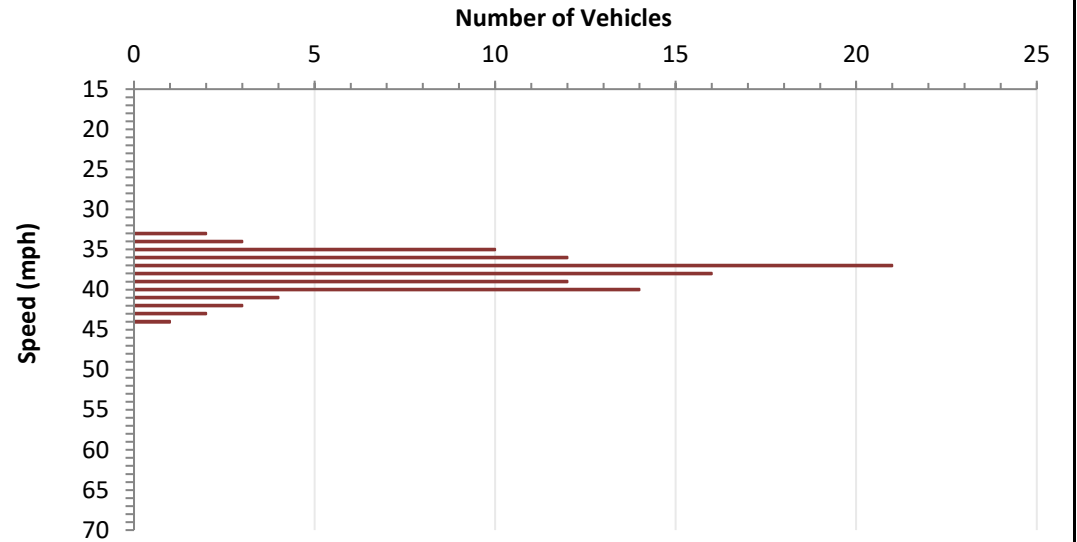
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Julian Av	From:	Los Cocheros Rd	To:	Lake Jennings Park Rd
Position:	490' E/o Pino Dr	Direction:	EB/WB		

Date:	10/7/2020	Weather:	Clear	Project Number:	20-040200-008
Time Start:	11:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:00 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		
32		
33	2	2.0%
34	3	5.0%
35	10	15.0%
36	12	27.0%
37	21	48.0%
38	16	64.0%
39	12	76.0%
40	14	90.0%
41	4	94.0%
42	3	97.0%
43	2	99.0%
44	1	100.0%
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	100	



DATA ANALYSIS

Average Speed	37.8	Range	33 - 44
50th Percentile	37.1	10 mph Pace	33 - 42
85th Percentile	39.6	Number in Pace	97
90th Percentile	40.0	Percent in Pace	97%
95th Percentile	41.3		

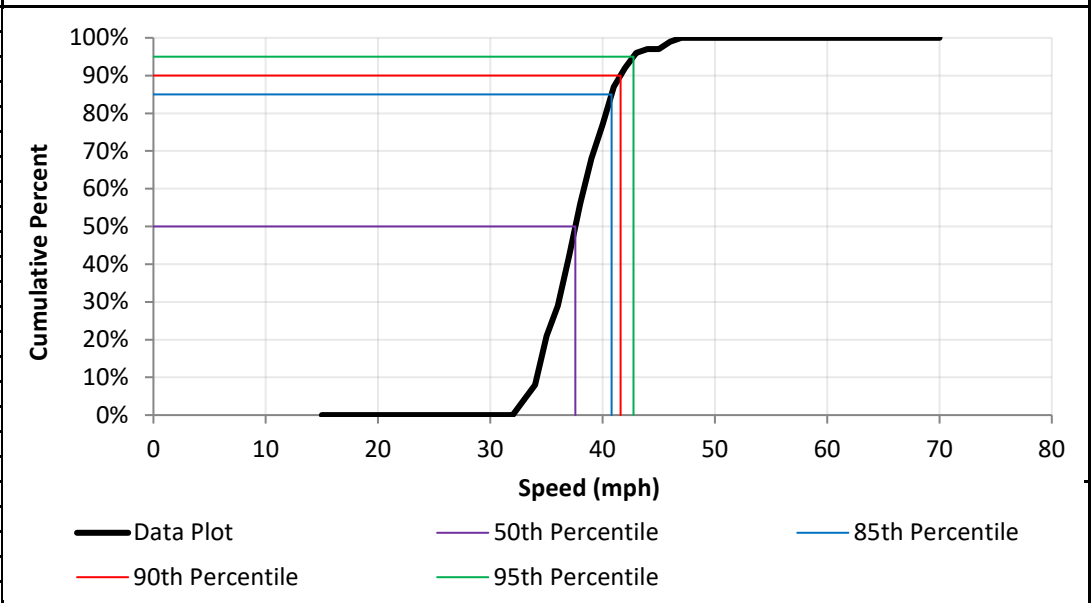
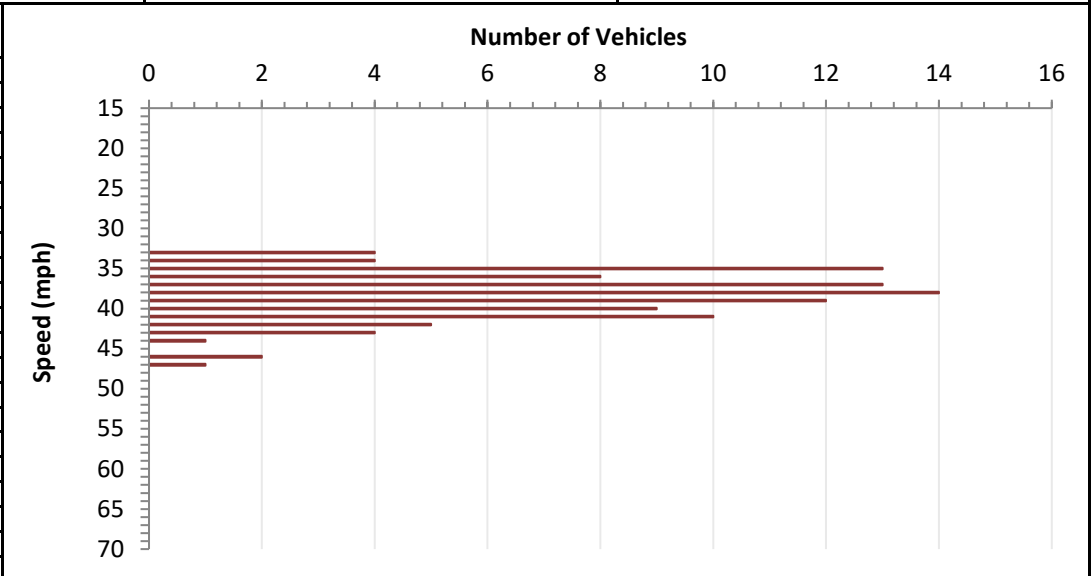


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Julian Av	From:	Los Coches Rd	To:	Lake Jennings Park Rd
Position:	230' W/o Cypress St	Direction:	EB/WB		
Date:	10/7/2020	Weather:	Clear	Project Number:	20-040200-006
Time Start:	12:00 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:00 PM	Posted Speed:	40 MPH	Calibration Test:	Y

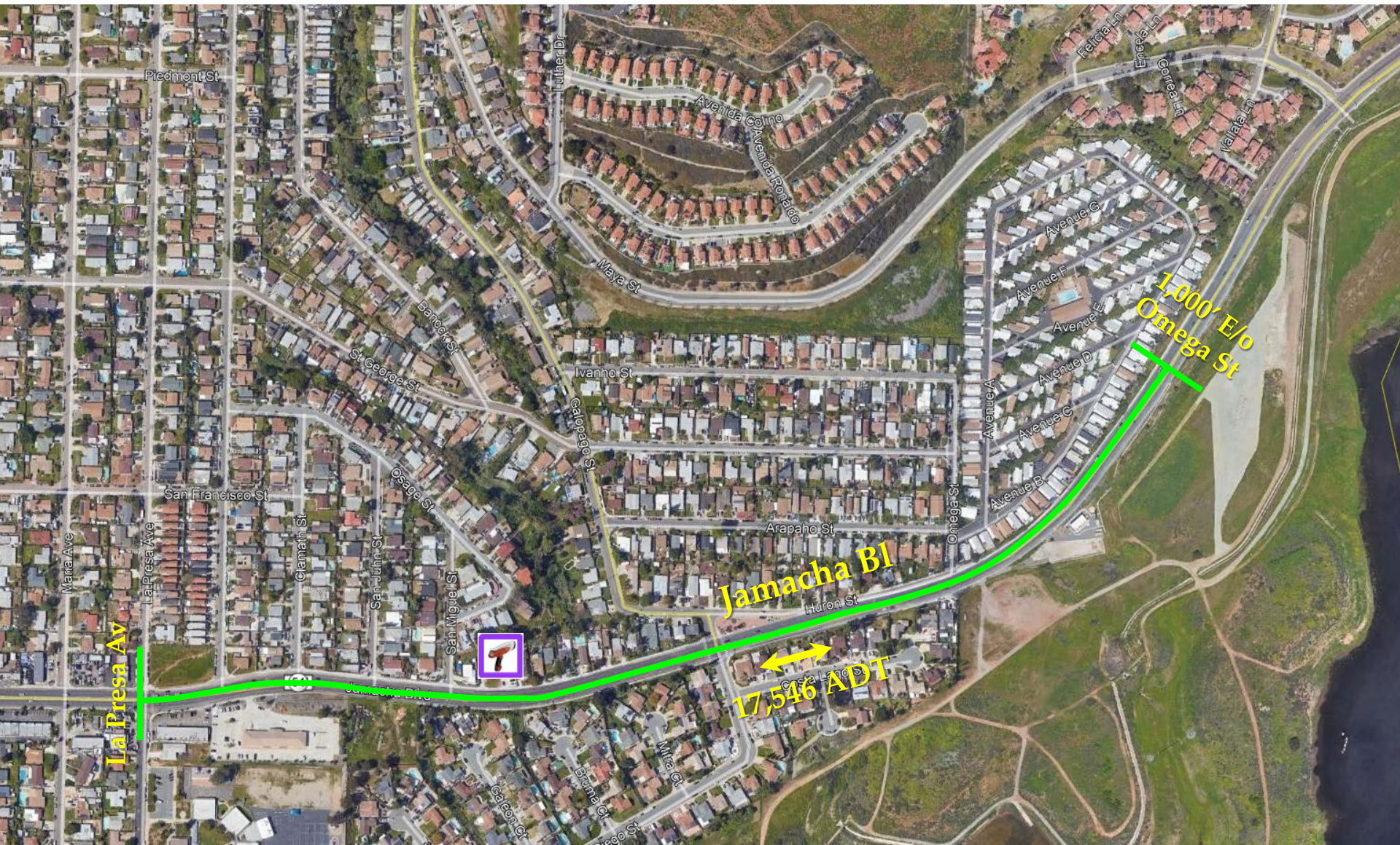
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	4	4.0%
34	4	8.0%
35	13	21.0%
36	8	29.0%
37	13	42.0%
38	14	56.0%
39	12	68.0%
40	9	77.0%
41	10	87.0%
42	5	92.0%
43	4	96.0%
44	1	97.0%
45		
46	2	99.0%
47	1	100.0%
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS			
Average Speed	38.3	Range	33 - 47
50th Percentile	37.6	10 mph Pace	33 - 42
85th Percentile	40.8	Number in Pace	92
90th Percentile	41.6	Percent in Pace	92%
95th Percentile	42.8		

2-C. Radar Certification

Jamacha Bl from La Presa Av to a point 1,000' E/o Omega St
(0.7 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 2-C

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Jamacha Boulevard from La Presa Avenue to 1,000' east of Omega Street (a distance of 0.7 miles) LA PRESA (Thos. Bros. 1291-C3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Jamacha Boulevard from La Presa Avenue to 1,000' east of Omega Street is a posted 45 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 45 MPH speed limit for radar enforcement.

Existing Traffic Devices

Jamacha Boulevard is a striped undivided five-lane roadway with a 54 to 72-foot travelled way and road bed. The roadway is striped with a two-way left turn lane, bike lane, painted median, and intermittent turn lanes. There is a traffic control signalized intersection at San Diego Street. The roadway is classified as a Major Road on the County General Plan Mobility Element Network. Jamacha Boulevard is posted 45 MPH radar enforced.

Average Daily Traffic Volumes

Jamacha Boulevard:

W/o San Diego Street

10/20

17,546

06/13

15,127

Speed Data

Jamacha Boulevard:

100' E/o San Miguel Street (2020)
(2013)

**85th
Percentile**

48.8 MPH
49.0 MPH

**10 MPH
Pace**

40-49
40-49

**% in
Pace**

64.0%
66.0%

Collision Data

There have been 21 reported collision along this segment of roadway, 11 of which involved injury, in a 3 year period (06-01-17 to 05-31-20). This collision resulted in a segment accident rate of 1.56 collisions per million vehicle miles. The statewide average is 0.41 collisions per million vehicle miles for similar suburban undivided 5-6 lanes with speeds less than or equal to 55 MPH.

VOLUME

Jamacha Blvd W/O San Diego St

Day: Thursday
Date: 10/1/2020City: Spring Valley
Project #: CA20_40197_002

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,613	8,933						17,546
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			30	26	56		12:00			125	121	246							
00:15			33	28	61		12:15			122	121	243							
00:30			23	20	43		12:30			110	102	212							
00:45			22	108	15	89	12:45			125	482	120	464	245	946				
01:00			19	12	31		13:00			140	135	275							
01:15			19	14	33		13:15			128	126	254							
01:30			28	11	39		13:30			114	139	253							
01:45			25	91	13	50	13:45			123	505	145	545	268	1050				
02:00			15	16	31		14:00			128	133	261							
02:15			12	12	24		14:15			131	141	272							
02:30			21	15	36		14:30			154	170	324							
02:45			19	67	11	54	14:45			153	566	169	613	322	1179				
03:00			13	11	24		15:00			140	157	297							
03:15			14	13	27		15:15			129	181	310							
03:30			17	14	31		15:30			171	159	330							
03:45			12	56	18	56	15:45			181	621	193	690	374	1311				
04:00			18	13	31		16:00			141	191	332							
04:15			26	18	44		16:15			170	211	381							
04:30			34	14	48		16:30			173	154	327							
04:45			24	102	27	72	16:45			168	652	189	745	357	1397				
05:00			48	22	70		17:00			192	148	340							
05:15			43	45	88		17:15			156	217	373							
05:30			64	58	122		17:30			158	183	341							
05:45			48	203	55	180	17:45			146	652	196	744	342	1396				
06:00			62	57	119		18:00			129	153	282							
06:15			60	76	136		18:15			138	166	304							
06:30			93	115	208		18:30			122	146	268							
06:45			86	301	121	369	18:45			116	505	125	590	241	1095				
07:00			100	90	190		19:00			116	127	243							
07:15			110	106	216		19:15			131	142	273							
07:30			114	112	226		19:30			110	132	242							
07:45			126	450	138	446	19:45			88	445	93	494	181	939				
08:00			101	99	200		20:00			88	107	195							
08:15			112	103	215		20:15			94	89	183							
08:30			116	115	231		20:30			94	74	168							
08:45			121	450	115	432	20:45			79	355	71	341	150	696				
09:00			110	102	212		21:00			71	83	154							
09:15			112	106	218		21:15			73	57	130							
09:30			108	100	208		21:30			61	66	127							
09:45			114	444	103	411	21:45			52	257	62	268	114	525				
10:00			122	113	235		22:00			72	56	128							
10:15			96	95	191		22:15			61	68	129							
10:30			100	88	188		22:30			52	60	112							
10:45			110	428	102	398	22:45			63	248	55	239	118	487				
11:00			112	113	225		23:00			46	45	91							
11:15			99	130	229		23:15			35	43	78							
11:30			111	121	232		23:30			58	30	88							
11:45			119	441	122	486	23:45			45	184	39	157	84	341				
TOTALS			3141	3043	6184		TOTALS			5472	5890	11362							
SPLIT %			50.8%	49.2%	35.2%		SPLIT %			48.2%	51.8%	64.8%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,613	8,933						17,546
AM Peak Hour			11:30	11:15	11:30		PM Peak Hour			16:15	15:30	15:30							
AM Pk Volume			477	494	962		PM Pk Volume			703	754	1417							
Pk Hr Factor			0.954	0.950	0.978		Pk Hr Factor			0.915	0.893	0.930							
7 - 9 Volume	0	0	900	878	1778		4 - 6 Volume	0	0	1304	1489	2793							
7 - 9 Peak Hour			07:45	07:15	07:45		4 - 6 Peak Hour			16:15	16:00	16:45							
7 - 9 Pk Volume	0	0	455	455	910		4 - 6 Pk Volume	0	0	703	745	1411							
Pk Hr Factor	0.000	0.000	0.903	0.824	0.862		Pk Hr Factor	0.000	0.000	0.915	0.883	0.946							



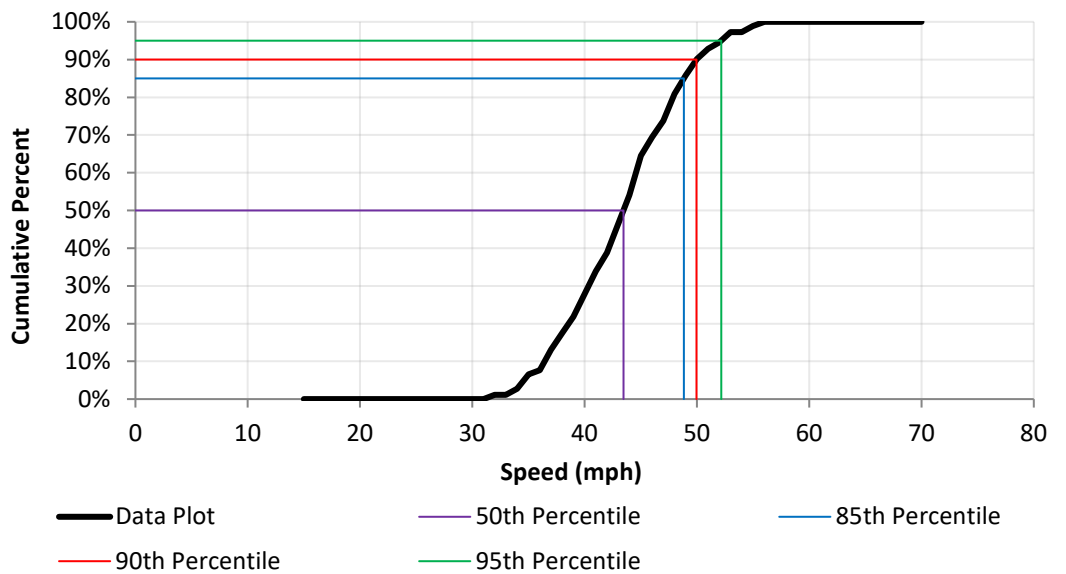
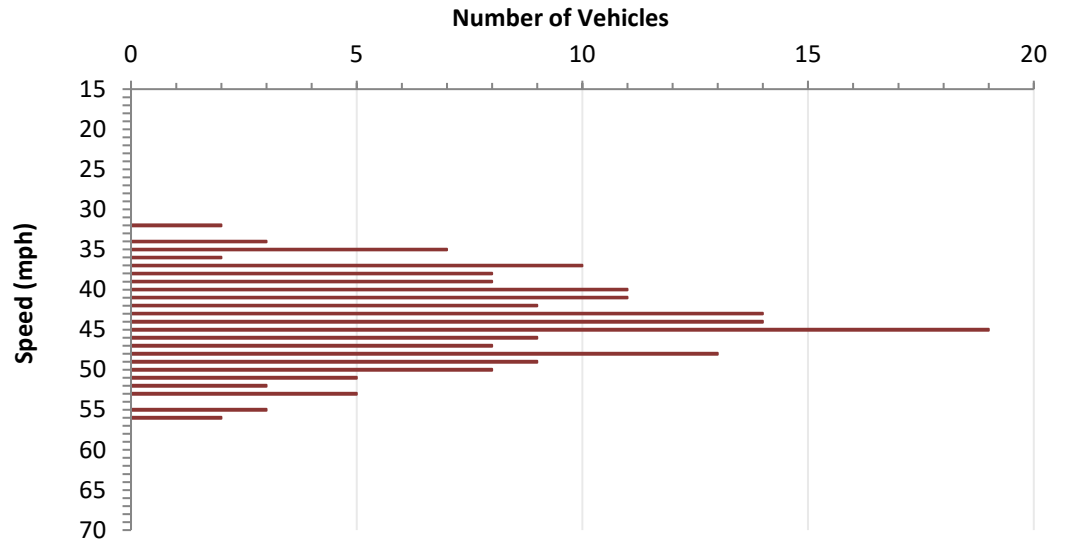
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Jamacha Bl	From:	1,000' E/o Omega St	To:	La Presa Av
Position:	100' E/o San Miguel St	Direction:	EB/WB		

Date:	11/17/2020	Weather:	Clear	Project Number:	N/A
Time Start:	11:30 AM	Road Condition:	Dry	Observer:	County
Time End:	12:30 PM	Posted Speed:	45 MPH	Calibration Test:	Y

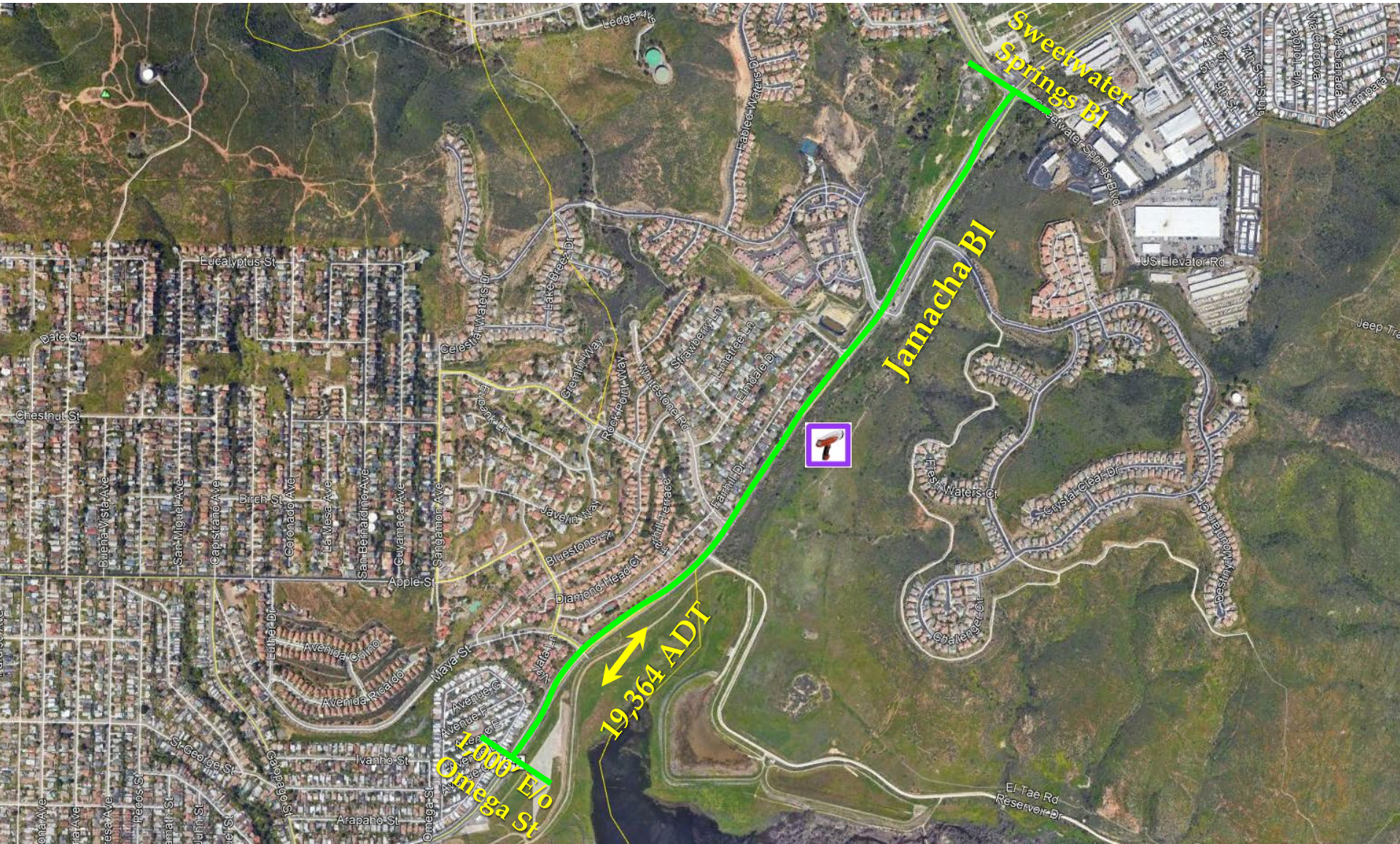
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32	2	1.1%
33		
34	3	2.7%
35	7	6.6%
36	2	7.7%
37	10	13.1%
38	8	17.5%
39	8	21.9%
40	11	27.9%
41	11	33.9%
42	9	38.8%
43	14	46.4%
44	14	54.1%
45	19	64.5%
46	9	69.4%
47	8	73.8%
48	13	80.9%
49	9	85.8%
50	8	90.2%
51	5	92.9%
52	3	94.5%
53	5	97.3%
54		
55	3	98.9%
56	2	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	183	



DATA ANALYSIS

Average Speed	43.8	Range	32 - 56
50th Percentile	43.5	10 mph Pace	40 - 49
85th Percentile	48.8	Number in Pace	117
90th Percentile	50.0	Percent in Pace	64%
95th Percentile	52.2		

**Jamacha Bl from 1,000' E/o Omega St to Sweetwater Springs Bl
(1.31 mi)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 2-D

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Jamacha Boulevard from 1,000' east of Omega Street to Sweetwater Springs Boulevard (a distance of 1.31 miles) LA PRESA (Thos. Bros. 1291-D3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Jamacha Boulevard from 1,000' east of Omega Street to Sweetwater Springs Boulevard is a posted 50 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 50 MPH speed limit for radar enforcement.

Existing Traffic Devices

Jamacha Boulevard is a striped divided four-lane roadway with a 64 to 80-foot travelled way and road bed. The roadway is striped with a two-way left turn lane, bike lane, painted median, and intermittent turn lanes. There is a traffic control signalized intersection at Whitestone Road. The roadway is classified as a Major Road on the County General Plan Mobility Element Network. Jamacha Boulevard is posted 50 MPH radar enforced.

Average Daily Traffic Volumes

Jamacha Boulevard:

E/o Whitestone Road

10/20

19,364

06/13

18,100

Speed Data

Jamacha Boulevard:

450' W/o Spring Glen Lane (2020)
(2013)

**85th
Percentile**

55.1 MPH
55.8 MPH

**10 MPH
Pace**

45-54
46-51

**% in
Pace**

69.0%
69.0%

Collision Data

There have been 42 reported collision along this segment of roadway, 23 of which involved injury, 1 of which involved a fatality, in a 3 year period (06-01-17 to 05-31-20). This collision resulted in a segment accident rate of 1.51 collisions per million vehicle miles. The statewide average is 1.20 collisions per million vehicle miles for similar suburban divided 4 lanes with speeds less than or equal to 55 MPH.

VOLUME

Jamacha Blvd E/O Whitestone Rd

Day: Thursday
Date: 10/1/2020City: Spring Valley
Project #: CA20_40197_001

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						9,983	9,381						19,364
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00			31	35	66		12:00			163	141	304							
00:15			18	34	52		12:15			144	141	285							
00:30			26	27	53		12:30			130	121	251							
00:45			14	89	22	118	12:45			130	567	134	537	264	1104				
01:00			18	23	41		13:00			156	150	306							
01:15			14	21	35		13:15			159	149	308							
01:30			10	29	39		13:30			134	142	276							
01:45			11	53	26	99	13:45			158	607	116	557	274	1164				
02:00			15	18	33		14:00			144	144	288							
02:15			11	12	23		14:15			147	135	282							
02:30			15	24	39		14:30			173	170	343							
02:45			13	54	20	74	14:45			184	648	168	617	352	1265				
03:00			12	17	29		15:00			178	152	330							
03:15			13	12	25		15:15			180	162	342							
03:30			14	12	26		15:30			178	188	366							
03:45			19	58	14	55	15:45			201	737	195	697	396	1434				
04:00			13	21	34		16:00			206	189	395							
04:15			20	20	40		16:15			230	205	435							
04:30			13	25	38		16:30			184	186	370							
04:45			33	79	22	88	16:45			205	825	204	784	409	1609				
05:00			27	36	63		17:00			162	216	378							
05:15			50	24	74		17:15			193	192	385							
05:30			63	47	110		17:30			198	179	377							
05:45			68	208	45	152	17:45			193	746	166	753	359	1499				
06:00			63	41	104		18:00			161	164	325							
06:15			96	51	147		18:15			198	141	339							
06:30			117	78	195		18:30			172	131	303							
06:45			152	428	84	254	18:45			122	653	146	582	268	1235				
07:00			102	87	189		19:00			133	153	286							
07:15			143	107	250		19:15			133	149	282							
07:30			144	106	250		19:30			133	126	259							
07:45			176	565	111	411	19:45			102	501	105	533	207	1034				
08:00			122	95	217		20:00			102	114	216							
08:15			134	113	247		20:15			77	119	196							
08:30			141	112	253		20:30			77	94	171							
08:45			151	548	122	442	20:45			78	334	86	413	164	747				
09:00			128	101	229		21:00			74	87	161							
09:15			135	106	241		21:15			57	90	147							
09:30			136	112	248		21:30			71	79	150							
09:45			124	523	103	422	21:45			68	270	67	323	135	593				
10:00			114	124	238		22:00			66	81	147							
10:15			107	98	205		22:15			64	79	143							
10:30			111	101	212		22:30			54	67	121							
10:45			135	467	121	444	22:45			53	237	68	295	121	532				
11:00			127	131	258		23:00			53	50	103							
11:15			157	118	275		23:15			42	46	88							
11:30			161	140	301		23:30			33	59	92							
11:45			179	624	136	525	23:45			34	162	51	206	85	368				
TOTALS			3696	3084	6780		TOTALS			6287	6297	12584							
SPLIT %			54.5%	45.5%	35.0%		SPLIT %			50.0%	50.0%	65.0%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						9,983	9,381						19,364
AM Peak Hour			11:15	11:30	11:30		PM Peak Hour			16:00	16:15	16:00							
AM Pk Volume			660	558	1205		PM Pk Volume			825	811	1609							
Pk Hr Factor			0.922	0.989	0.956		Pk Hr Factor			0.897	0.939	0.925							
7 - 9 Volume	0	0	1113	853	1966		4 - 6 Volume	0	0	1571	1537	3108							
7 - 9 Peak Hour			07:15	08:00	07:15		4 - 6 Peak Hour			16:00	16:15	16:00							
7 - 9 Pk Volume	0	0	585	442	1004		4 - 6 Pk Volume	0	0	825	811	1609							
Pk Hr Factor	0.000	0.000	0.831	0.906	0.875		Pk Hr Factor	0.000	0.000	0.897	0.939	0.925							



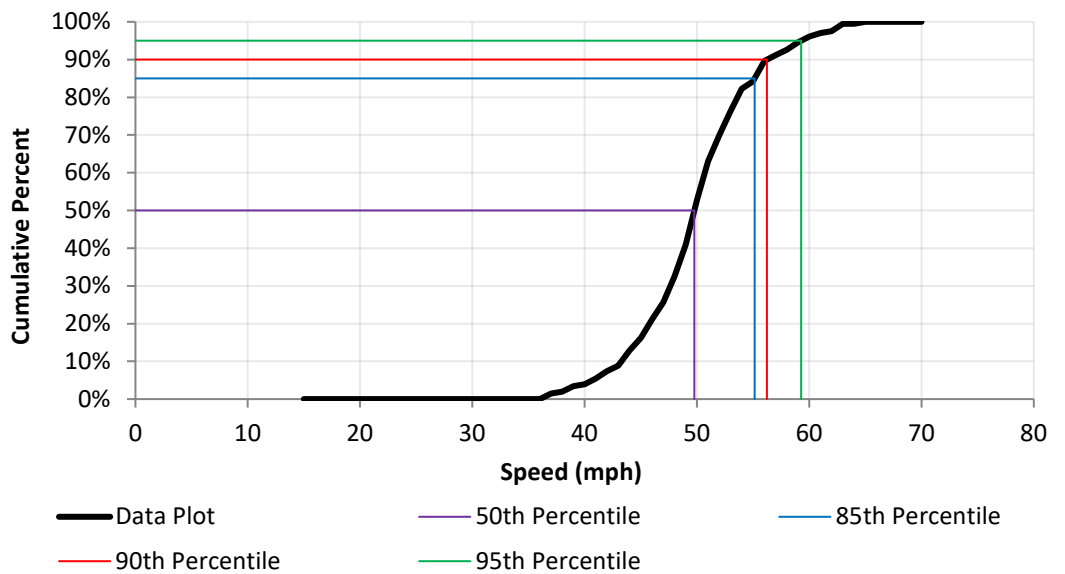
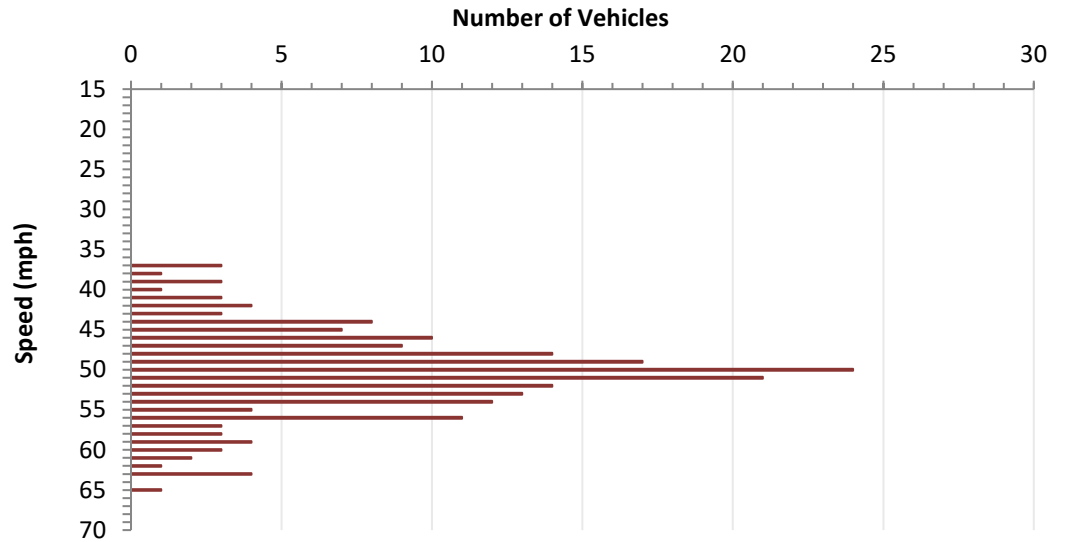
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Jamacha Bl	From:	Sweetwater Springs Bl	To:	1,000' E/o Omega St
Position:	450' W/o Spring Glen Ln	Direction:	EB/WB		

Date:	11/5/2020	Weather:	Clear	Project Number:	N/A
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	County
Time End:	2:00 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	3	1.5%
38	1	2.0%
39	3	3.4%
40	1	3.9%
41	3	5.4%
42	4	7.4%
43	3	8.9%
44	8	12.8%
45	7	16.3%
46	10	21.2%
47	9	25.6%
48	14	32.5%
49	17	40.9%
50	24	52.7%
51	21	63.1%
52	14	70.0%
53	13	76.4%
54	12	82.3%
55	4	84.2%
56	11	89.7%
57	3	91.1%
58	3	92.6%
59	4	94.6%
60	3	96.1%
61	2	97.0%
62	1	97.5%
63	4	99.5%
64		
65	1	100.0%
66		
67		
68		
69		
70		
Total	203	



DATA ANALYSIS

Average Speed	50.3	Range	37 - 65
50th Percentile	49.8	10 mph Pace	45 - 54
85th Percentile	55.1	Number in Pace	141
90th Percentile	56.2	Percent in Pace	69%
95th Percentile	59.3		

This aerial map illustrates the proposed SR-94 corridor through Jamacha, California. The corridor is highlighted in green, starting from Sweetwater Springs Blvd in the southwest and extending northeast towards SR-94. A yellow double-headed arrow indicates a projected traffic volume of 17,496 ADT. Two purple icons, likely representing transit stops, are marked along the corridor. The map shows surrounding residential areas with various street names, including Avenida Roberto, Charing Cross Rd, and SR-94.

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 2-E

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Jamacha Boulevard from Sweetwater Springs Boulevard to State Route 94 (a distance of 1.51 miles)
CASA DE ORO (Thos. Bros. 1271-F1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Jamacha Boulevard from Sweetwater Springs Boulevard to State Route 94 is a posted 50 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 50 MPH speed limit for radar enforcement.

Existing Traffic Devices

Jamacha Boulevard is a striped undivided five-lane roadway with a 66 to 90-foot travelled way and road bed. The roadway is striped with a two-way left turn lane, bike lane, painted median, and intermittent turn lanes. There are traffic control signalized intersection at Folex Way and Calavo Drive/Double Tree Road. The roadway is classified as a Major Road on the County General Plan Mobility Element Network. Jamacha Boulevard is posted 50 MPH radar enforced.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>06/13</u>
Jamacha Boulevard:		
W/o State Route 94	17,496	15,993

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Jamacha Boulevard:				
200' E/o Trace Road	(2020)	53.1 MPH	42-51	61.0%
	(2012)	53.4 MPH	45-54	69.4%
800' W/o Lamplighter Village Drive	(2020)	52.8 MPH	42-51	62.0%
	(2012)	51.9 MPH	42-51	61.1%
Speed Zone	(2020)	53.0 MPH	42-51	61.5%
	(2012)	52.7 MPH	44-53	65.3%

Collision Data

There have been 57 reported collision along this segment of roadway, 29 of which involved injury, 1 of which involved a fatality, in a 3 year period (06-01-17 to 05-31-20). This collision resulted in a segment accident rate of 1.97 collisions per million vehicle miles. The statewide average is 0.41 collisions per million vehicle miles for similar suburban undivided 5-6 lanes with speeds less than or equal to 55 MPH.

VOLUME

Jamacha Blvd W/O SR-94

Day: Thursday
Date: 10/1/2020City: Spring Valley
Project #: CA20_40197_003

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	8,318					9,178	17,496
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			36	41	77		12:00			96	135	231	
00:15			40	14	54		12:15			123	123	246	
00:30			25	18	43		12:30			119	130	249	
00:45			21	122	8	81	12:45			142	480	110	498
01:00			25	18	43		13:00			129	124	253	
01:15			20	11	31		13:15			147	137	284	
01:30			29	13	42		13:30			121	133	254	
01:45			27	101	13	55	13:45			126	523	129	523
02:00			13	14	27		14:00			113	159	272	
02:15			16	9	25		14:15			128	166	294	
02:30			20	8	28		14:30			173	157	330	
02:45			20	69	12	43	14:45			128	542	175	657
03:00			15	9	24		15:00			142	150	292	
03:15			15	17	32		15:15			161	176	337	
03:30			11	11	22		15:30			146	170	316	
03:45			17	58	15	52	15:45			163	612	158	654
04:00			19	13	32		16:00			166	170	336	
04:15			16	9	25		16:15			140	176	316	
04:30			18	19	37		16:30			182	182	364	
04:45			15	68	18	59	16:45			147	635	180	708
05:00			27	35	62		17:00			194	154	348	
05:15			16	49	65		17:15			161	186	347	
05:30			17	57	74		17:30			147	182	329	
05:45			34	94	63	204	17:45			145	647	179	701
06:00			30	59	89		18:00			163	168	331	
06:15			38	94	132		18:15			142	175	317	
06:30			36	120	156		18:30			129	156	285	
06:45			67	171	153	426	18:45			138	572	136	635
07:00			68	94	162		19:00			156	117	273	
07:15			79	129	208		19:15			149	130	279	
07:30			68	138	206		19:30			118	119	237	
07:45			89	304	127	488	19:45			111	534	100	466
08:00			64	104	168		20:00			127	88	215	
08:15			98	142	240		20:15			103	68	171	
08:30			95	159	254		20:30			101	70	171	
08:45			90	347	157	562	20:45			98	429	62	288
09:00			98	121	219		21:00			91	68	159	
09:15			82	135	217		21:15			96	60	156	
09:30			111	115	226		21:30			81	56	137	
09:45			92	383	137	508	21:45			71	339	53	237
10:00			96	111	207		22:00			85	51	136	
10:15			88	125	213		22:15			52	46	98	
10:30			89	119	208		22:30			66	47	113	
10:45			106	379	116	471	22:45			68	271	47	191
11:00			89	131	220		23:00			47	39	86	
11:15			110	138	248		23:15			48	35	83	
11:30			119	133	252		23:30			51	30	81	
11:45			134	452	131	533	23:45			40	186	34	138
TOTALS			2548	3482	6030		TOTALS			5770	5696	11466	
SPLIT %			42.3%	57.7%	34.5%		SPLIT %			50.3%	49.7%	65.5%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						8,318	9,178						17,496
AM Peak Hour			11:30	08:15	11:15		PM Peak Hour			16:30	17:15	16:30							
AM Pk Volume			472	579	996		PM Pk Volume			684	715	1386							
Pk Hr Factor			0.881	0.910	0.940		Pk Hr Factor			0.881	0.961	0.952							
7 - 9 Volume	0	0	651	1050	1701		4 - 6 Volume	0	0	1282	1409	2691							
7 - 9 Peak Hour			08:00	08:00	08:00		4 - 6 Peak Hour			16:30	16:00	16:30							
7 - 9 Pk Volume	0	0	347	562	909		4 - 6 Pk Volume	0	0	684	708	1386							
Pk Hr Factor	0.000	0.000	0.885	0.884	0.895		Pk Hr Factor	0.000	0.000	0.881	0.973	0.952							

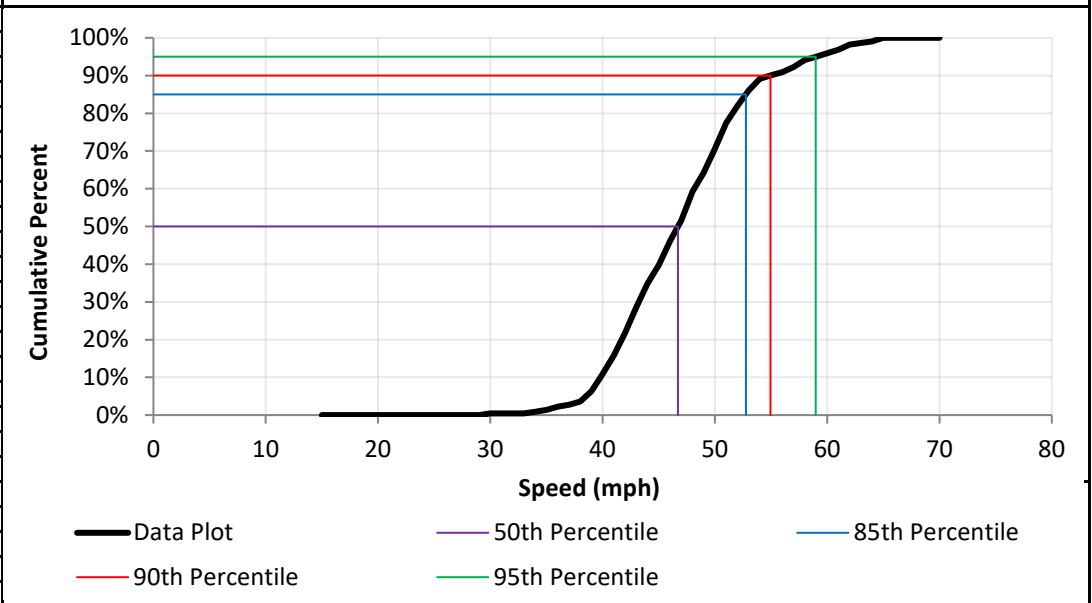
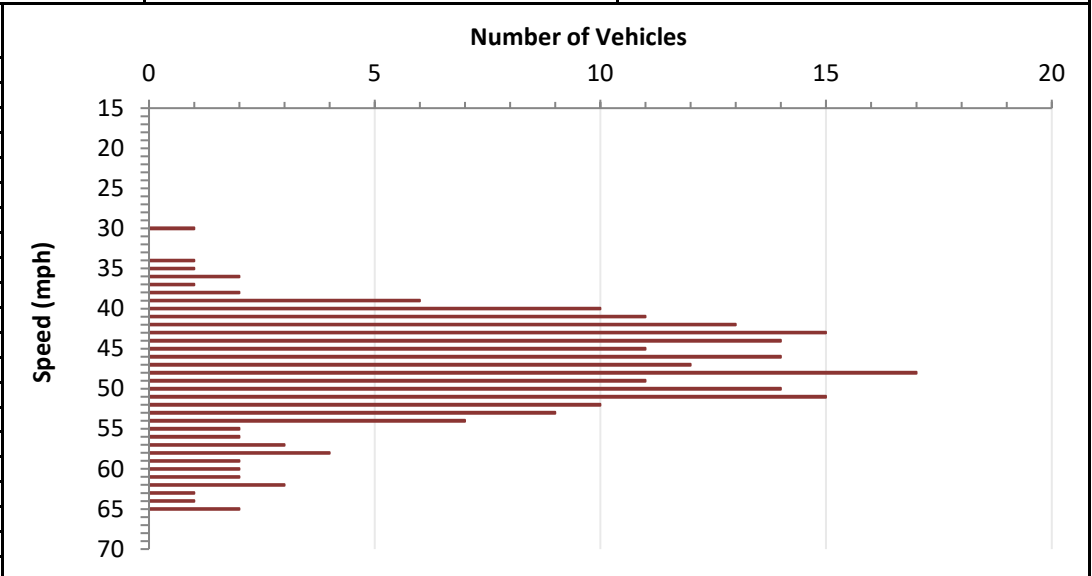


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Jamacha Bl	From:	SR-94	To:	Sweetwater Springs Bl
Position:	800' W/o Lamplighter Village Dr	Direction:	EB/WB		
Date:	11/19/2020	Weather:	Clear	Project Number:	N/A
Time Start:	9:30 AM	Road Condition:	Dry	Observer:	County
Time End:	10:30 AM	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	1	0.5%
31		
32		
33		
34	1	0.9%
35	1	1.4%
36	2	2.3%
37	1	2.7%
38	2	3.6%
39	6	6.3%
40	10	10.9%
41	11	15.8%
42	13	21.7%
43	15	28.5%
44	14	34.8%
45	11	39.8%
46	14	46.2%
47	12	51.6%
48	17	59.3%
49	11	64.3%
50	14	70.6%
51	15	77.4%
52	10	81.9%
53	9	86.0%
54	7	89.1%
55	2	90.0%
56	2	91.0%
57	3	92.3%
58	4	94.1%
59	2	95.0%
60	2	95.9%
61	2	96.8%
62	3	98.2%
63	1	98.6%
64	1	99.1%
65	2	100.0%
66		
67		
68		
69		
70		
Total	221	



DATA ANALYSIS

Average Speed	47.5	Range	30 - 65
50th Percentile	46.7	10 mph Pace	42 - 51
85th Percentile	52.8	Number in Pace	136
90th Percentile	55.0	Percent in Pace	62%
95th Percentile	59.0		

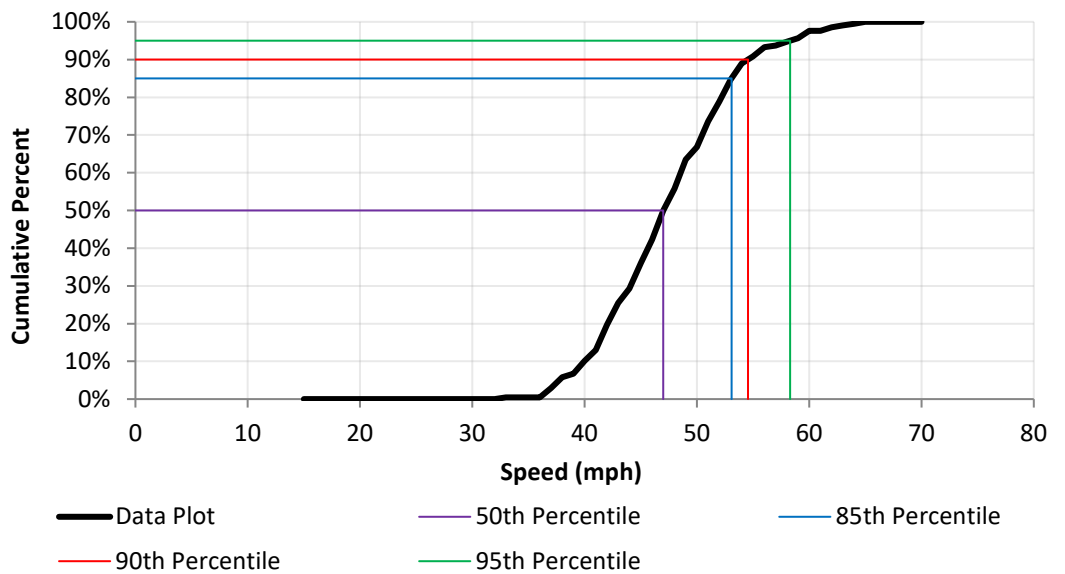
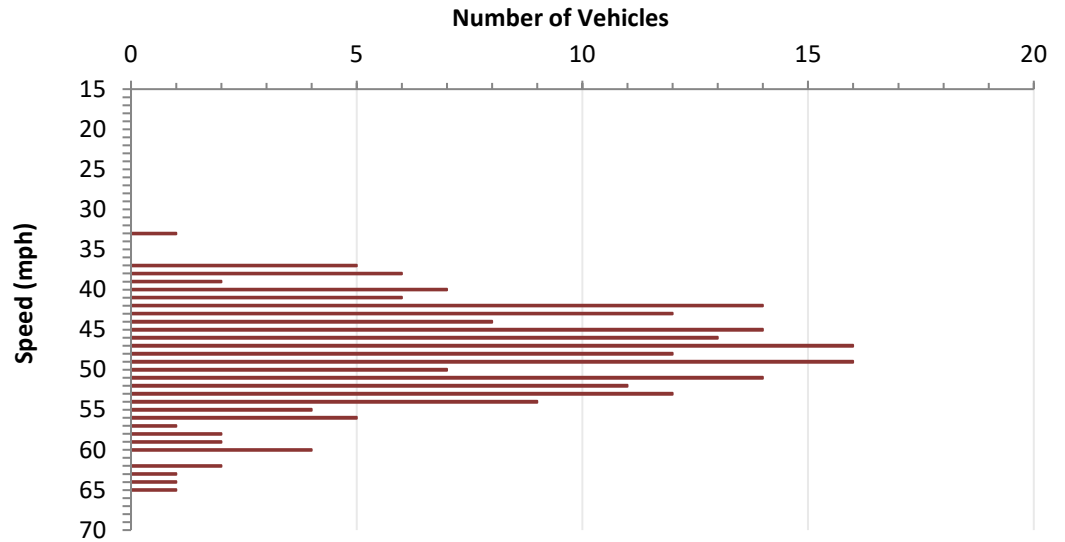


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Jamacha Bl	From:	SR-94	To:	Sweetwater Springs Bl
Position:	200' E/o Trace Rd	Direction:	EB/WB		
Date:	11/17/2020	Weather:	Clear	Project Number:	N/A
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	County
Time End:	2:00 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	1	0.5%
34		
35		
36		
37	5	2.9%
38	6	5.8%
39	2	6.7%
40	7	10.1%
41	6	13.0%
42	14	19.7%
43	12	25.5%
44	8	29.3%
45	14	36.1%
46	13	42.3%
47	16	50.0%
48	12	55.8%
49	16	63.5%
50	7	66.8%
51	14	73.6%
52	11	78.8%
53	12	84.6%
54	9	88.9%
55	4	90.9%
56	5	93.3%
57	1	93.8%
58	2	94.7%
59	2	95.7%
60	4	97.6%
61		
62	2	98.6%
63	1	99.0%
64	1	99.5%
65	1	100.0%
66		
67		
68		
69		
70		
Total	208	

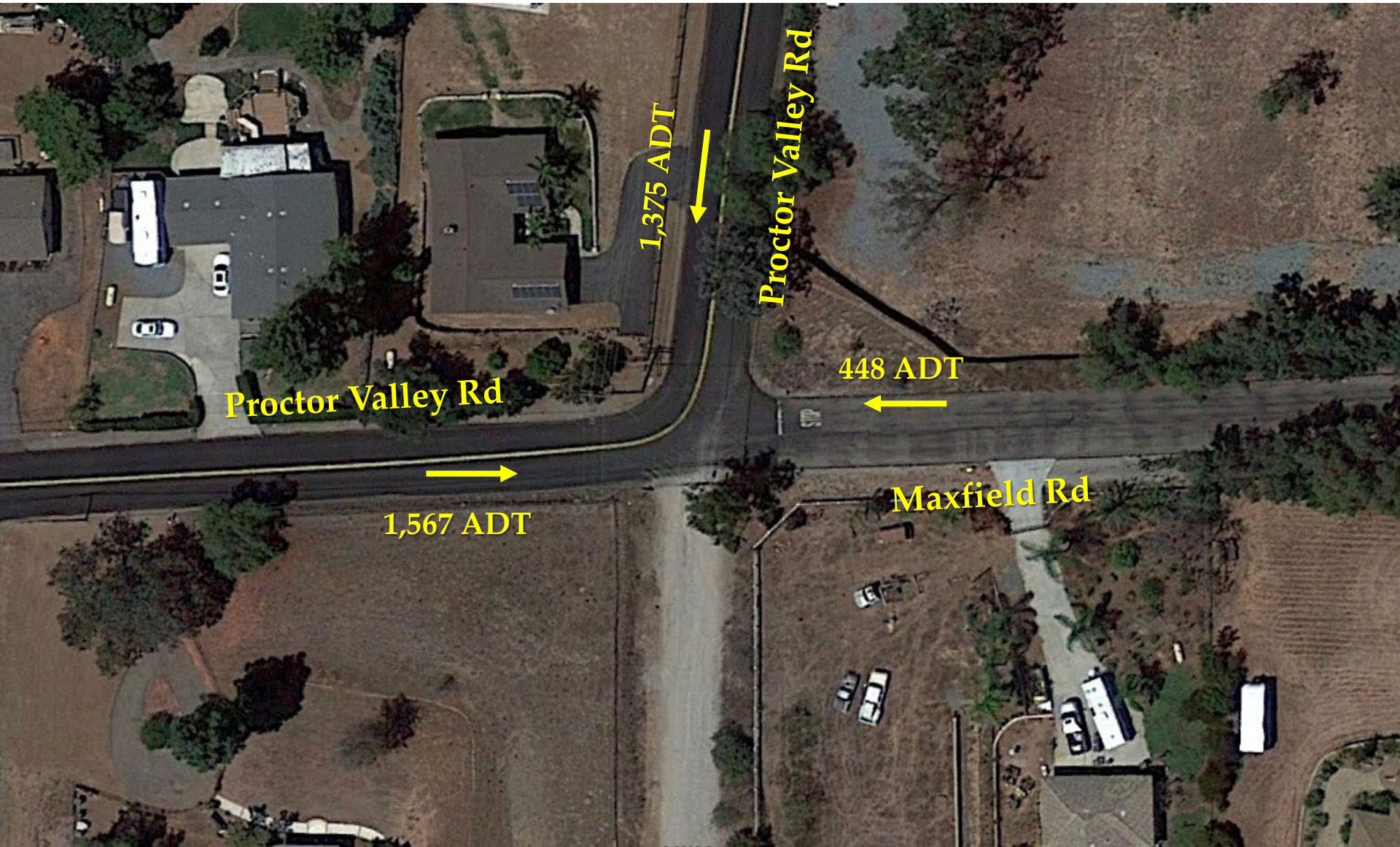


DATA ANALYSIS

Average Speed	47.8	Range	33 - 65
50th Percentile	47.0	10 mph Pace	42 - 51
85th Percentile	53.1	Number in Pace	126
90th Percentile	54.6	Percent in Pace	61%
95th Percentile	58.3		

2-F. Intersection Control

Proctor Valley Rd & Maxfield Rd



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020 **Item 2-F**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Proctor Valley Road & Maxfield Road, JAMUL (Thos. Bros. 1292-H2)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

The intersection of Proctor Valley Road & Maxfield Road has been identified by Traffic Engineering as meeting criteria C, regarding lack of sight distance, 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

Proctor Valley Road is a striped two-lane roadway with no passing centerline. The road runs north/south & east/west and has a 26 to 28 foot travelled way and roadbed. The roadway is classified as a Light Collector on the County General Plan Mobility Element Network and posted 35 MPH Radar Enforced. Proctor Valley Road has a 15 MPH speed advisory turn at the intersection with Maxfield Road.

Maxfield Road is a two-lane local roadway. The road runs east/west and has a 26-foot travelled way and roadbed. The roadway is unclassified on the County General Plan Mobility Element Network. Maxfield Road is stop controlled at the intersection of Proctor Valley Road.

<u>Average Daily Traffic Volumes</u>	<u>11/20*</u>	<u>04/18</u>	<u>02/16</u>	<u>02/02</u>
Proctor Valley Road:				
N/o Maxfield Road	1,375 SB	1,296 SB		
W/o Maxfield Road	1,567 EB		1,392 EB	
Maxfield Road:				
E/o Proctor Valley Road	448 WB			263 WB

*Estimate

Collision Data

Proctor Valley Road &
Maxfield Road

2

2-F

There have been 0 reported collision at this intersection within a past 3-year period (06-01-17 to 05-31-20).



County of San Diego

DEPARTMENT OF PUBLIC WORKS
5510 OVERLAND AVE, SUITE 410
SAN DIEGO, CALIFORNIA 92123-1237
(858) 694-2212 FAX: (858) 694-3597
Web Site: www.sdcountry.ca.gov/dpw/

COUNTY TRAFFIC ENGINEER RECOMMENDATION.

Date: November 25, 2020
Item Title: All-way stop control
Location: Proctor Valley Rd and Maxfield Rd
CTE Recommendation: Install an all-way stop control

Conditions:

- 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.
- Option C of section 2B.07, lack of sight distance, indicates an all-way stop control may be considered when motorists are unable to see conflicting traffic to determine when it is safe to enter the intersection.
- Sight visibility is obstructed at the northwest corner of the intersection and limited for motorists looking west from southbound Proctor Valley Road and intending to turn left (eastbound) onto Maxfield Rd.
- The intersection of Proctor Valley Road and Maxfield Rd is within a residential neighborhood of the Jamul unincorporated community and an all-way stop control is appropriate and should enhance the intersection safety for all users of the road.

- Therefore, an all-way stop controls at the intersection of Proctor Valley Road and Maxfield Road is recommended to mitigate for inadequate sight distance and enhance the intersection safety for all users.

5-A. Radar Certification

Camino Del Rey from SR 76 to Via Maria Elena (1.71 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Camino del Rey from State Route 76 to Via Maria Elena (a distance of 1.71 miles) BONSALL (Thos. Bros. 1068-A1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Camino del Rey from State Route 76 to Via Maria Elena is a posted 50 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 50 MPH speed limit for radar enforcement.

Existing Traffic Devices

Camino del Rey is a striped two-lane roadway with a 24 foot travelled lane on a 28 to 52 road bed. The roadway is striped with a no passing centerline and white edgeline for a majority of its length. There is a signalized intersection at Calle De las Brisas. This roadway is classified as a Boulevard/Light Collector on the County General Plan Mobility Element Network. The road is posted 50 MPH Radar Enforced.

Average Daily Traffic Volumes

Camino del Rey:

1000' E/o Camino del Cielo

02/20

6,512

10/12

4,570

Speed Data

Camino del Rey:

1000' E/o Camino del Cielo (2020)
(2013)

**85th
Percentile**

43.0 MPH
52.0 MPH

**10 MPH
Pace**

31-40
42-51

**% in
Pace**

58.0%
71.0%

750' W/o Via Maria Elena (2020)

54.4 MPH

43-52

66.0%

Speed Zone

(2020)

48.7 MPH

37-46

62.0%

Collision Data

There have been 19 reported collision along this segment of roadway, 12 of which involved injury, in a 3 year period (04-01-17 to 03-31-20). These collisions resulted in a segment accident rate of 1.56 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 between 45 to 55 miles per hour.

VOLUME

Camino Del Rey 100' E/O Camino Del Cielo

Day: Thursday
Date: 02/13/20City: Bonsall
Project #: CA20_4040_019

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,213	3,299						6,512
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
0:00			1	3	4		12:00			43	41	84							
0:15			3	5	8		12:15			36	43	79							
0:30			1	4	5		12:30			41	64	105							
0:45			1	6	5	17	12:45			45	165	57	205	102	370				
1:00			1	8	9		13:00			60	55	115							
1:15			1	1	2		13:15			45	44	89							
1:30			2	2	4		13:30			36	52	88							
1:45			1	5	2	13	13:45			45	186	53	204	98	390				
2:00			1	2	3		14:00			39	44	83							
2:15			1	3	4		14:15			39	48	87							
2:30			2	1	3		14:30			42	46	88							
2:45			1	5	1	7	14:45			56	176	67	205	123	381				
3:00			1	0	1		15:00			40	69	109							
3:15			2	1	3		15:15			63	75	138							
3:30			2	4	6		15:30			56	82	138							
3:45			7	12	2	7	15:45			57	216	73	299	130	515				
4:00			6	1	7		16:00			69	85	154							
4:15			15	4	19		16:15			65	106	171							
4:30			21	5	26		16:30			54	84	138							
4:45			31	73	3	13	16:45			46	234	107	382	153	616				
5:00			31	9	40		17:00			42	86	128							
5:15			33	8	41		17:15			37	87	124							
5:30			53	15	68		17:30			43	84	127							
5:45			57	174	18	50	17:45			36	158	88	345	124	503				
6:00			79	25	104		18:00			43	86	129							
6:15			109	39	148		18:15			36	69	105							
6:30			81	31	112		18:30			27	67	94							
6:45			90	359	45	140	18:45			26	132	43	265	69	397				
7:00			103	60	163		19:00			21	40	61							
7:15			79	46	125		19:15			25	30	55							
7:30			99	55	154		19:30			20	24	44							
7:45			95	376	24	185	19:45			24	90	53	123	53	213				
8:00			67	37	104		20:00			21	26	47							
8:15			53	39	92		20:15			17	24	41							
8:30			62	35	97		20:30			13	23	36							
8:45			47	229	32	143	20:45			15	66	18	91	33	157				
9:00			51	36	87		21:00			19	20	39							
9:15			51	37	88		21:15			12	20	32							
9:30			48	37	85		21:30			9	18	27							
9:45			36	186	43	153	21:45			13	53	23	81	36	134				
10:00			38	38	76		22:00			10	9	19							
10:15			30	22	52		22:15			3	3	6							
10:30			35	39	74		22:30			6	9	15							
10:45			41	144	38	137	22:45			3	22	11	32	14	54				
11:00			37	35	72		23:00			2	4	6							
11:15			34	54	88		23:15			4	6	10							
11:30			33	37	70		23:30			1	15	16							
11:45			33	137	46	172	23:45			2	9	5	30	7	39				
TOTALS			1706	1037	2743		TOTALS			1507	2262	3769							
SPLIT %			62.2%	37.8%	42.1%		SPLIT %			40.0%	60.0%	57.9%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						3,213	3,299						6,512
AM Peak Hour			6:15	6:45	6:45		PM Peak Hour			15:30	16:15	16:00							
AM Pk Volume			383	206	577		PM Pk Volume			247	383	616							
Pk Hr Factor			0.878	0.858	0.885		Pk Hr Factor			0.895	0.895	0.901							
7 - 9 Volume	0	0	605	328	933		4 - 6 Volume	0	0	392	727	1119							
7 - 9 Peak Hour			7:00	7:00	7:00		4 - 6 Peak Hour			16:00	16:15	16:00							
7 - 9 Pk Volume	0	0	376	185	561		4 - 6 Pk Volume	0	0	234	383	616							
Pk Hr Factor	0.000	0.000	0.913	0.771	0.860		Pk Hr Factor	0.000	0.000	0.848	0.895	0.901							



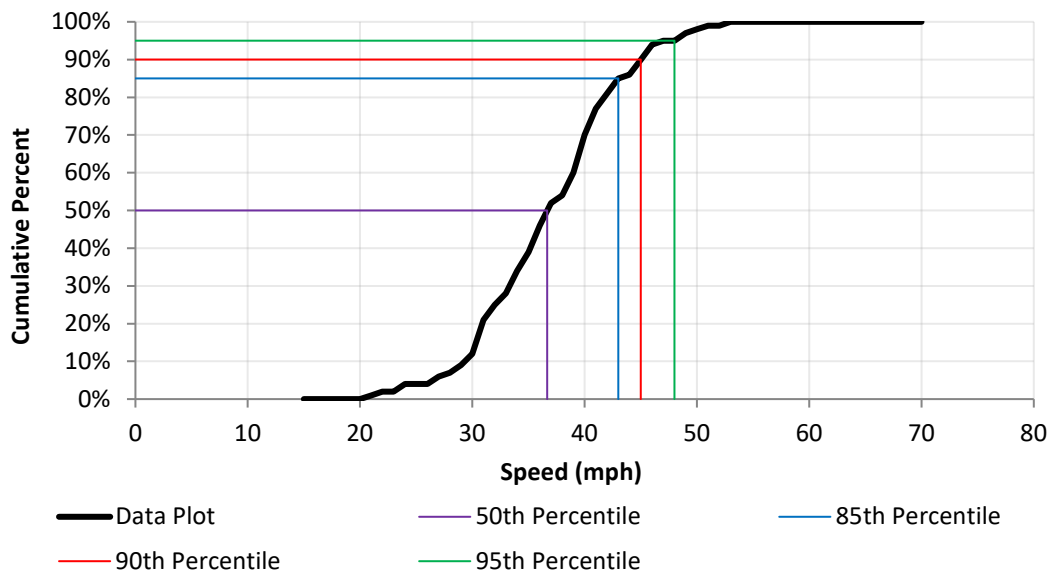
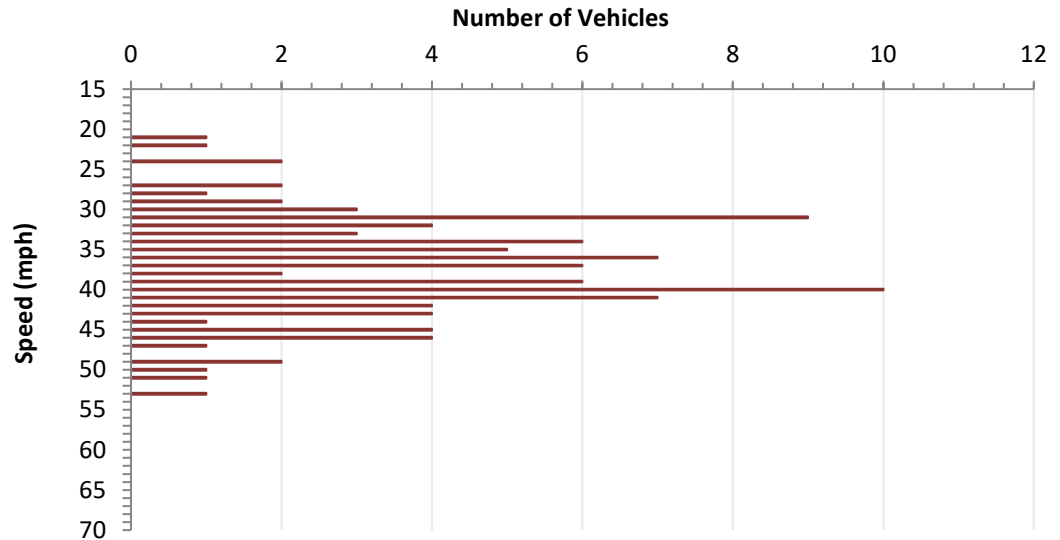
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino Del Rey	From:	SR-76	To:	Via Elena Maria
Position:	1000' E/o Camino del Cielo	Direction:	EB/WB		

Date:	2/20/2020	Weather:	Clear	Project Number:	N/A
Time Start:	11:20 AM	Road Condition:	Dry	Observer:	County
Time End:	12:20 PM	Posted Speed:	50 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	1.0%
22	1	2.0%
23		
24	2	4.0%
25		
26		
27	2	6.0%
28	1	7.0%
29	2	9.0%
30	3	12.0%
31	9	21.0%
32	4	25.0%
33	3	28.0%
34	6	34.0%
35	5	39.0%
36	7	46.0%
37	6	52.0%
38	2	54.0%
39	6	60.0%
40	10	70.0%
41	7	77.0%
42	4	81.0%
43	4	85.0%
44	1	86.0%
45	4	90.0%
46	4	94.0%
47	1	95.0%
48		
49	2	97.0%
50	1	98.0%
51	1	99.0%
52		
53	1	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS

Average Speed	37.2	Range	21 - 53
50th Percentile	36.7	10 mph Pace	31 - 40
85th Percentile	43.0	Number in Pace	58
90th Percentile	45.0	Percent in Pace	58%
95th Percentile	48.0		



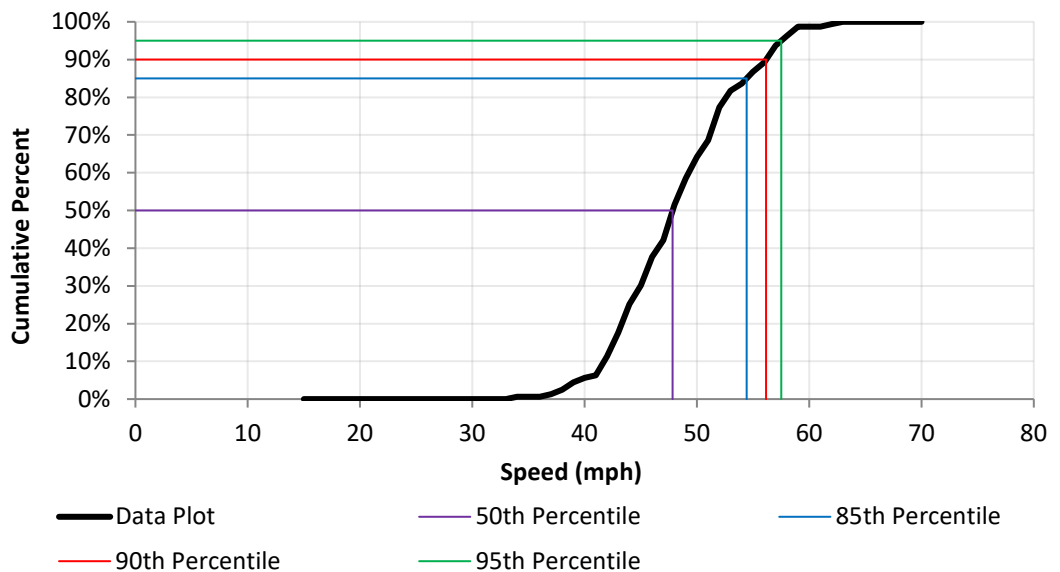
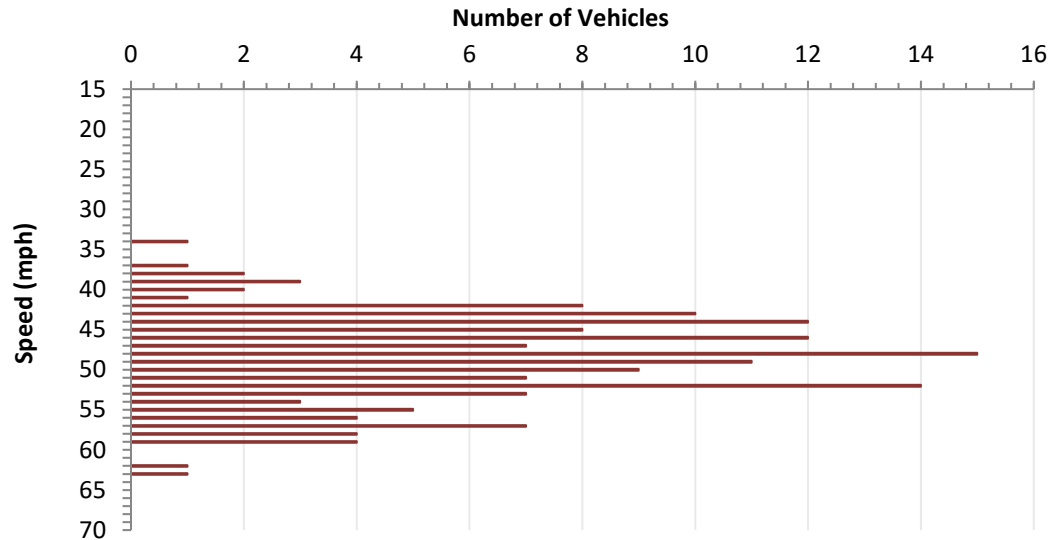
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino Del Rey	From:	SR-76	To:	Via Elena Maria
Position:	750' W/o Via Elena Maria	Direction:	EB/WB		

Date:	10/8/2020	Weather:	Clear	Project Number:	N/A
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	County
Time End:	12:15 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	1	0.6%
35		
36		
37	1	1.3%
38	2	2.5%
39	3	4.4%
40	2	5.7%
41	1	6.3%
42	8	11.3%
43	10	17.6%
44	12	25.2%
45	8	30.2%
46	12	37.7%
47	7	42.1%
48	15	51.6%
49	11	58.5%
50	9	64.2%
51	7	68.6%
52	14	77.4%
53	7	81.8%
54	3	83.6%
55	5	86.8%
56	4	89.3%
57	7	93.7%
58	4	96.2%
59	4	98.7%
60		
61		
62	1	99.4%
63	1	100.0%
64		
65		
66		
67		
68		
69		
70		
Total	159	



DATA ANALYSIS

Average Speed	48.7	Range	34 - 63
50th Percentile	47.8	10 mph Pace	43 - 52
85th Percentile	54.4	Number in Pace	105
90th Percentile	56.2	Percent in Pace	66%
95th Percentile	57.5		

5-B. Radar Certification

Camino Del Rey fr Via Maria Elena to 1,030' E/o MP 2 (1.09 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 5-B

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Camino Del Rey from Via Maria Elena to 1,030 feet east of Mile Post 2/Via Mariposa (a distance of 1.09 miles) BONSALL (Thos. Bros. 1068-E2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Camino Del Rey from Via Maria Elena to 1,030 feet east of Via Mariposa is posted 45 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 45 MPH speed limit for radar enforcement.

Existing Traffic Devices

Camino del Rey is a striped two-lane roadway with a 24 foot travelled lane on a 28 to 38 foot road bed. The roadway is striped with a no passing centerline and white edgeline for a majority of its length. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network. The road is posted 45 MPH Radar Enforced.

Average Daily Traffic Volumes

02/20

Camino del Rey:

at Via Margarita

4,764

Speed Data

Camino del Rey:

At Via Margarita

(2020)

**85th
Percentile**

46.3 MPH

**10 MPH
Pace**

32-41

**% in
Pace**

57.0%

Collision Data

There have been 7 reported collision along this segment of roadway, 5 of which involved injury, in a 3 year period (04-01-17 to 03-31-20). These collisions resulted in a segment accident rate of 1.24 collisions per million vehicle miles. The statewide average is 0.84 collisions per million vehicle miles for similar flat rural conventional 2 lanes or less with speeds less than or equal to 55 miles per hour.

VOLUME

Camino Del Rey @ Via Margarita

Day: Thursday
Date: 2/13/2020City: Fallbrook
Project #: CA20_4040_018

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,334	2,430						4,764
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			0	4	4		12:00			27	28	55							
00:15			2	5	7		12:15			29	31	60							
00:30			0	1	1		12:30			18	36	54							
00:45			2	4	6	18	12:45			26	100	126	216						
01:00			2	0	2		13:00			41	31	72							
01:15			1	1	2		13:15			47	26	73							
01:30			2	2	4		13:30			33	35	68							
01:45			0	5	0	8	13:45			36	157	193	271						
02:00			2	1	3		14:00			27	38	65							
02:15			2	1	3		14:15			28	33	61							
02:30			0	1	1		14:30			23	43	66							
02:45			1	5	6	10	14:45			34	112	146	265						
03:00			1	0	1		15:00			39	67	106							
03:15			3	0	3		15:15			39	49	88							
03:30			7	1	8		15:30			51	31	82							
03:45			2	13	15	2	15:45			30	159	189	358						
04:00			4	2	6		16:00			40	80	120							
04:15			11	2	13		16:15			34	77	111							
04:30			12	1	13		16:30			35	76	111							
04:45			17	44	61	12	16:45			46	155	201	471						
05:00			29	7	36		17:00			37	85	122							
05:15			39	7	46		17:15			37	77	114							
05:30			35	17	52		17:30			37	74	111							
05:45			58	161	219	52	17:45			18	129	147	444						
06:00			67	27	94		18:00			23	55	78							
06:15			85	40	125		18:15			30	62	92							
06:30			73	31	104		18:30			20	45	65							
06:45			85	310	395	130	18:45			18	91	109	287						
07:00			62	36	98		19:00			15	27	42							
07:15			57	24	81		19:15			15	29	44							
07:30			52	25	77		19:30			19	22	41							
07:45			43	214	257	108	19:45			15	64	79	164						
08:00			36	20	56		20:00			12	19	31							
08:15			28	30	58		20:15			18	24	42							
08:30			42	24	66		20:30			10	18	28							
08:45			29	135	164	94	20:45			10	50	60	130						
09:00			27	22	49		21:00			14	26	40							
09:15			39	29	68		21:15			8	21	29							
09:30			33	28	61		21:30			10	18	28							
09:45			28	127	155	98	21:45			7	39	46	119						
10:00			31	29	60		22:00			5	6	11							
10:15			32	10	42		22:15			3	9	12							
10:30			39	34	73		22:30			3	11	14							
10:45			26	128	154	93	22:45			3	14	17	45						
11:00			26	15	41		23:00			4	5	9							
11:15			37	28	65		23:15			1	7	8							
11:30			23	23	46		23:30			2	9	11							
11:45			22	108	130	92	23:45			3	10	13	37						
TOTALS			1254	703	1957		TOTALS			1080	1727	2807							
SPLIT %			64.1%	35.9%	41.1%		SPLIT %			38.5%	61.5%	58.9%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						2,334	2,430						4,764
AM Peak Hour			06:00	06:15	06:15		PM Peak Hour			14:45	16:15	16:30							
AM Pk Volume			310	139	444		PM Pk Volume			163	321	476							
Pk Hr Factor			0.912	0.869	0.888		Pk Hr Factor			0.799	0.944	0.922							
7 - 9 Volume	0	0	349	202	551		4 - 6 Volume	0	0	284	631	915							
7 - 9 Peak Hour			07:00	07:00	07:00		4 - 6 Peak Hour			16:45	16:15	16:30							
7 - 9 Pk Volume	0	0	214	108	322		4 - 6 Pk Volume	0	0	157	321	476							
Pk Hr Factor	0.000	0.000	0.863	0.750	0.821		Pk Hr Factor	0.000	0.000	0.853	0.944	0.922							



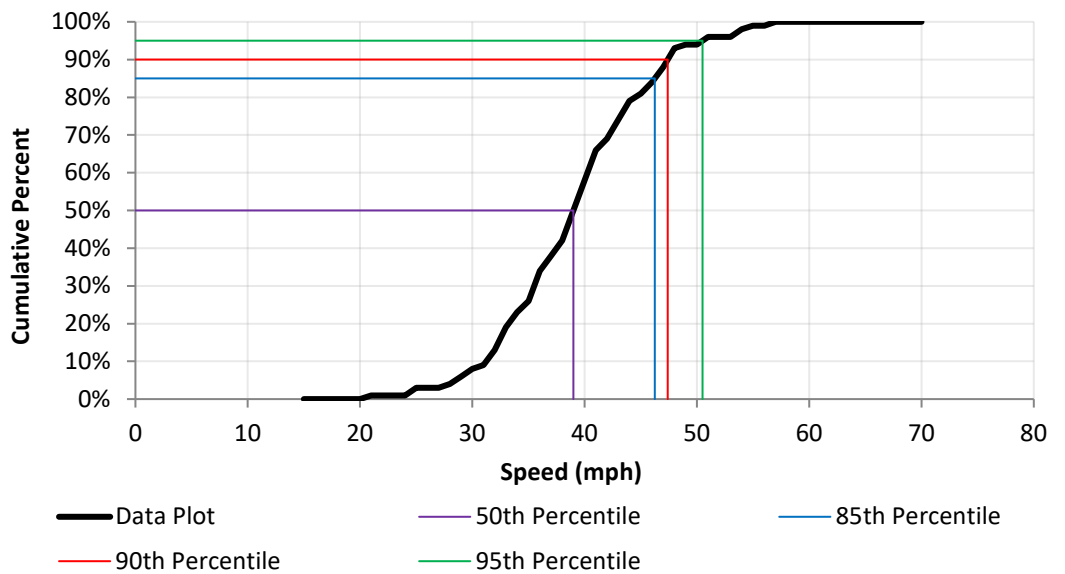
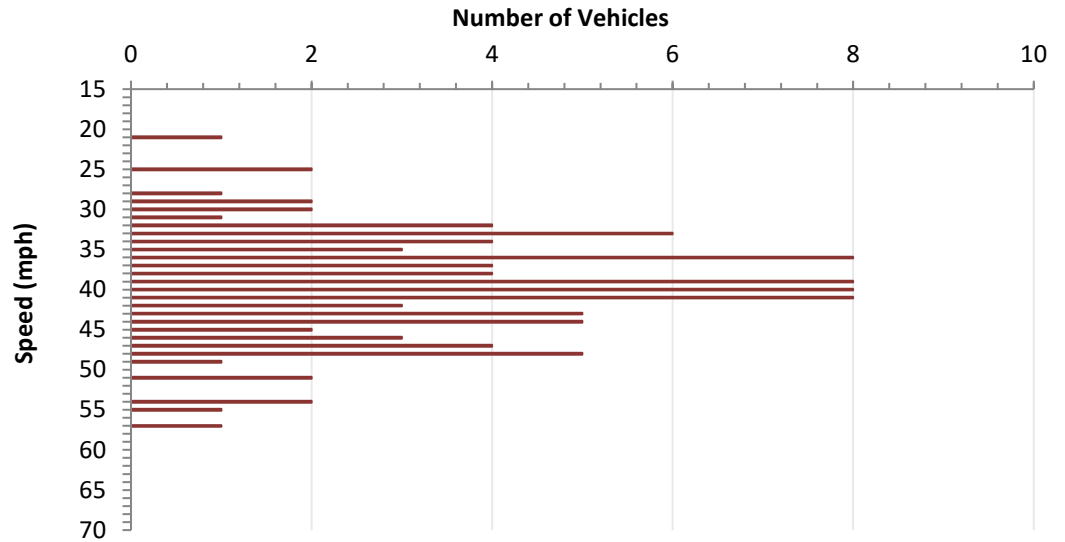
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino del Rey	From:	Via Maria Elena	To:	1,030 E/o Via Mariposa
Position:	@ Via Margarita	Direction:	EB/WB		

Date:	2/20/2020	Weather:	Clear	Project Number:	20-4042-017
Time Start:	9:30 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	10:50 AM	Posted Speed:	45 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	1.0%
22		
23		
24		
25	2	3.0%
26		
27		
28	1	4.0%
29	2	6.0%
30	2	8.0%
31	1	9.0%
32	4	13.0%
33	6	19.0%
34	4	23.0%
35	3	26.0%
36	8	34.0%
37	4	38.0%
38	4	42.0%
39	8	50.0%
40	8	58.0%
41	8	66.0%
42	3	69.0%
43	5	74.0%
44	5	79.0%
45	2	81.0%
46	3	84.0%
47	4	88.0%
48	5	93.0%
49	1	94.0%
50		
51	2	96.0%
52		
53		
54	2	98.0%
55	1	99.0%
56		
57	1	100.0%
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	

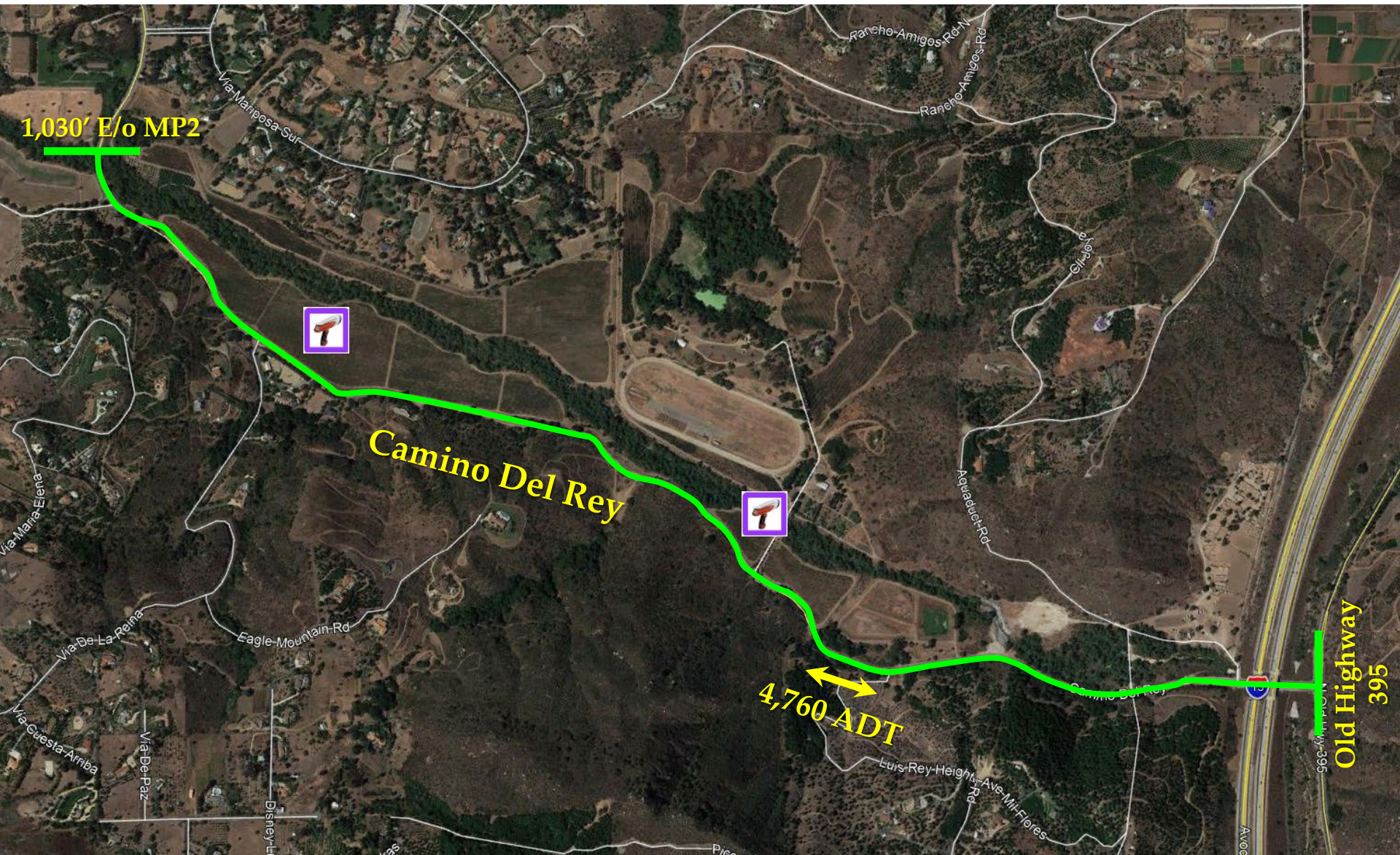


DATA ANALYSIS

Average Speed	39.5	Range	21 - 57
50th Percentile	39.0	10 mph Pace	32 - 41
85th Percentile	46.3	Number in Pace	57
90th Percentile	47.4	Percent in Pace	57%
95th Percentile	50.5		

5-C. Radar Certification

Camino Del Rey from 1,030' E/o MP 2 to Old Highway 395 (2.1 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 5-C

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Camino Del Rey from 1,030 feet east of Mile Post 2/Via Mariposa to Old Highway 395 (a distance of 2.1 miles)
BONSALL (Thos. Bros. 1068-E3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Camino Del Rey from 1,030 feet east of Mile Post 2/Via Mariposa to Old Highway 395 is an unposted 55 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying a reduced 45 MPH speed limit for radar enforcement.

Existing Traffic Devices

Camino del Rey is a striped two-lane roadway with a 24 foot travelled lane on a 28 to 40 foot road bed. The roadway is striped with a no passing centerline and white edgeline for a majority of its length. There are several speed advisory curves/turns along the roadway. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network. The road is currently unposted.

Average Daily Traffic Volumes

02/20

Camino del Rey:

W/o Via de la Reina

4,760*

*Estimate

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Camino del Rey:

1,500 W/o Luis Rey Heights Rd (2020) 45.8 MPH 37-46 78.0%

100' E/o Via de la Reina (2020) 49.7 MPH 40-49 68.0%

Speed Zone

(2020) 47.8 MPH 39-48 73.0%

Collision Data

There have been 2 reported collision along this segment of roadway, 1 of which involved injury, in a 3 year period (06-01-17 to 05-31-20). These collisions resulted in a segment accident rate of 0.18 collisions per million vehicle miles. The statewide average is 0.84 collisions per million vehicle miles for similar flat rural conventional 2 lanes or less with

speeds less than or equal to 55 miles per hour.



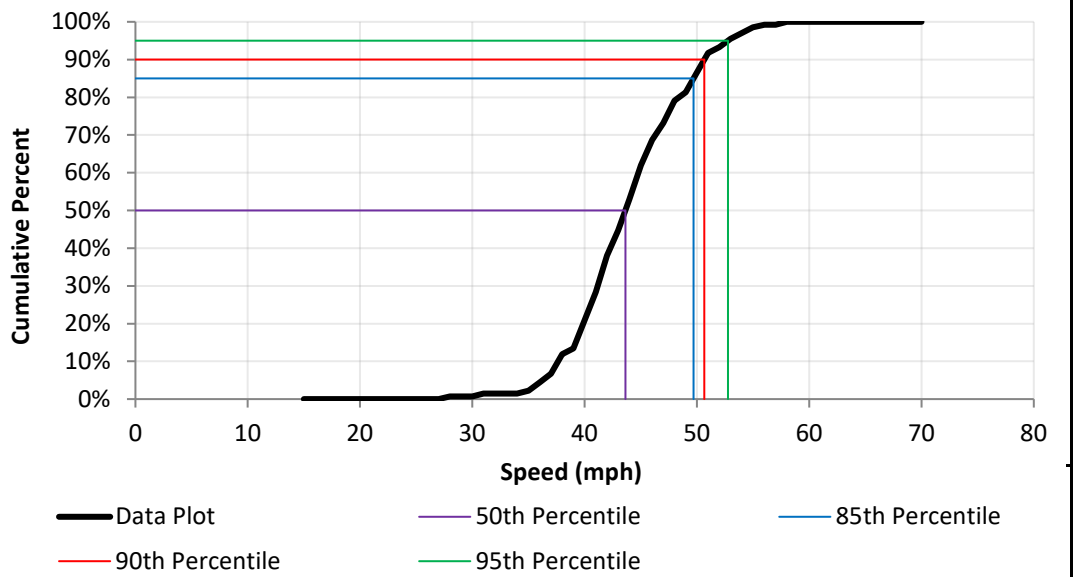
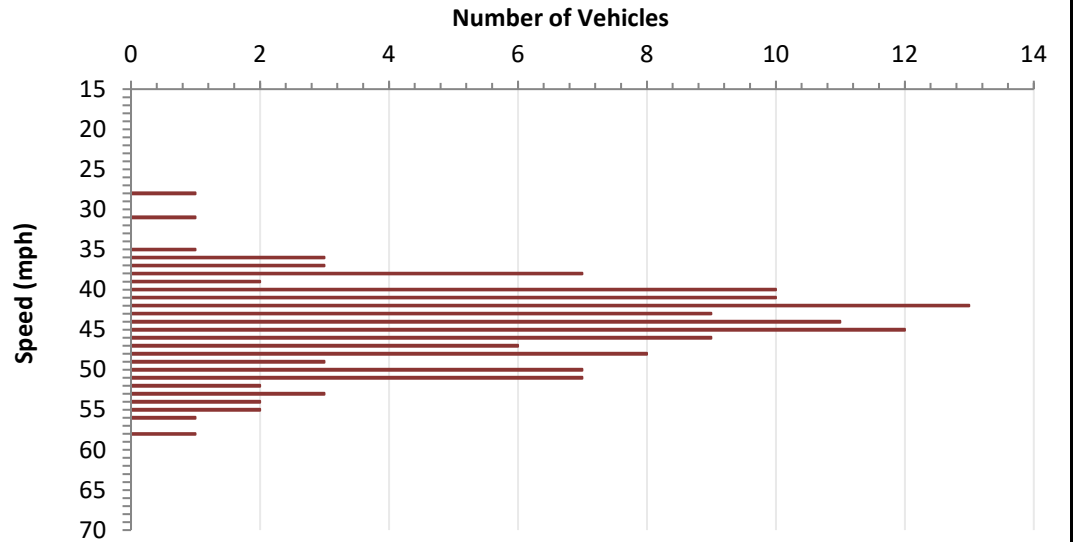
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino Del Rey	From:	Old Highway 395	To:	1,030' E/o Mile Post 2
Position:	100' E/o Via de la Reina	Direction:	EB/WB		

Date:	11/10/2020	Weather:	Clear	Project Number:	N/A
Time Start:	11:20 AM	Road Condition:	Dry	Observer:	County
Time End:	12:20 PM	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	1	0.7%
29		
30		
31	1	1.5%
32		
33		
34		
35	1	2.2%
36	3	4.5%
37	3	6.7%
38	7	11.9%
39	2	13.4%
40	10	20.9%
41	10	28.4%
42	13	38.1%
43	9	44.8%
44	11	53.0%
45	12	61.9%
46	9	68.7%
47	6	73.1%
48	8	79.1%
49	3	81.3%
50	7	86.6%
51	7	91.8%
52	2	93.3%
53	3	95.5%
54	2	97.0%
55	2	98.5%
56	1	99.3%
57		
58	1	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	134	



DATA ANALYSIS

Average Speed	44.4	Range	28 - 58
50th Percentile	43.6	10 mph Pace	40 - 49
85th Percentile	49.7	Number in Pace	91
90th Percentile	50.7	Percent in Pace	68%
95th Percentile	52.8		



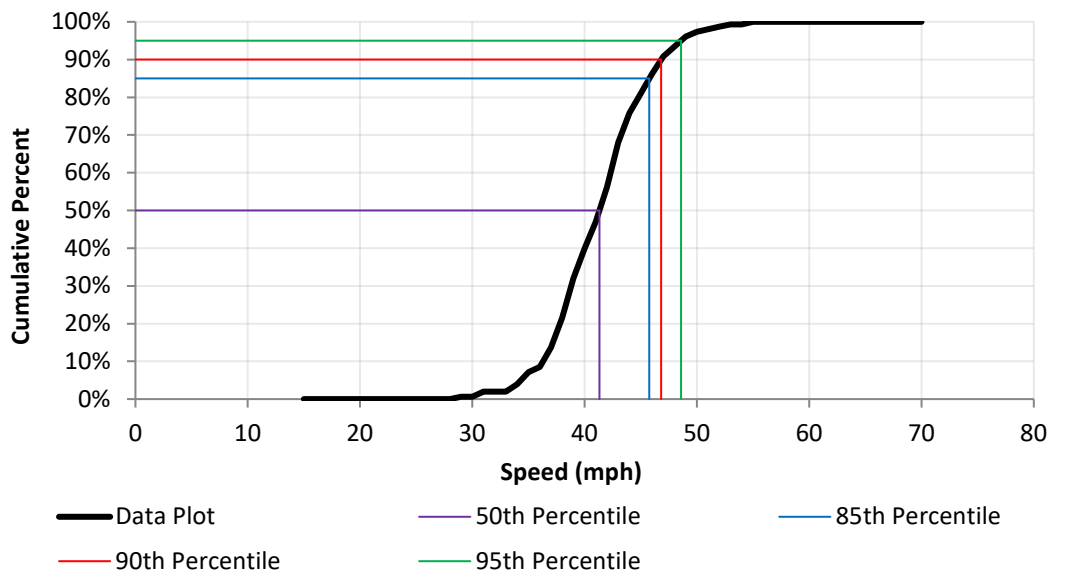
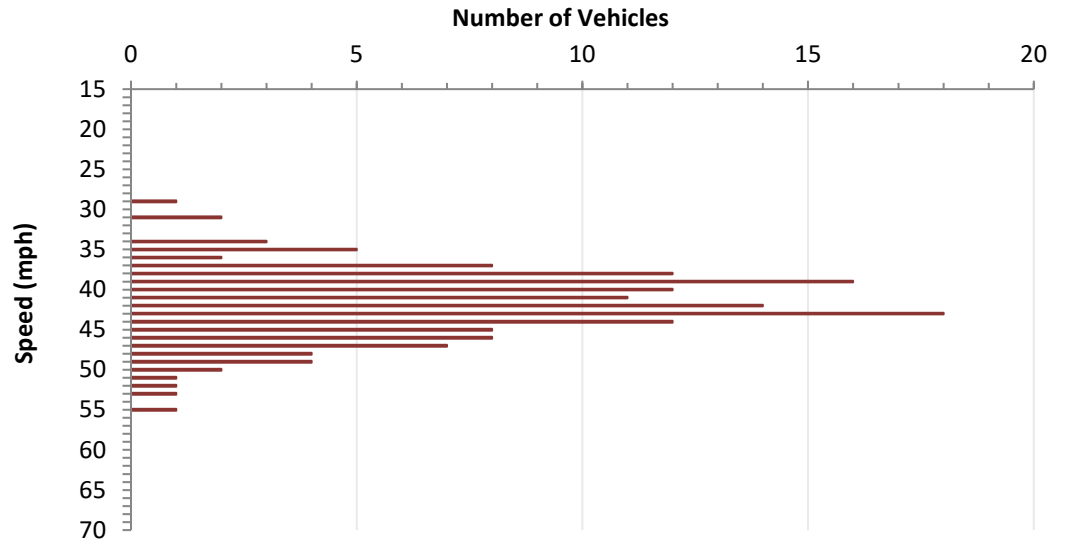
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Camino Del Rey	From:	Old Highway 395	To:	1,030' E/o Mile Post 2
Position:	1,500' W/o Luis Rey Heights Rd	Direction:	EB/WB		

Date:	11/10/2020	Weather:	Clear	Project Number:	N/A
Time Start:	12:45 PM	Road Condition:	Dry	Observer:	County
Time End:	1:45 PM	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	0.7%
30		
31	2	2.0%
32		
33		
34	3	3.9%
35	5	7.2%
36	2	8.5%
37	8	13.7%
38	12	21.6%
39	16	32.0%
40	12	39.9%
41	11	47.1%
42	14	56.2%
43	18	68.0%
44	12	75.8%
45	8	81.0%
46	8	86.3%
47	7	90.8%
48	4	93.5%
49	4	96.1%
50	2	97.4%
51	1	98.0%
52	1	98.7%
53	1	99.3%
54		
55	1	100.0%
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	153	

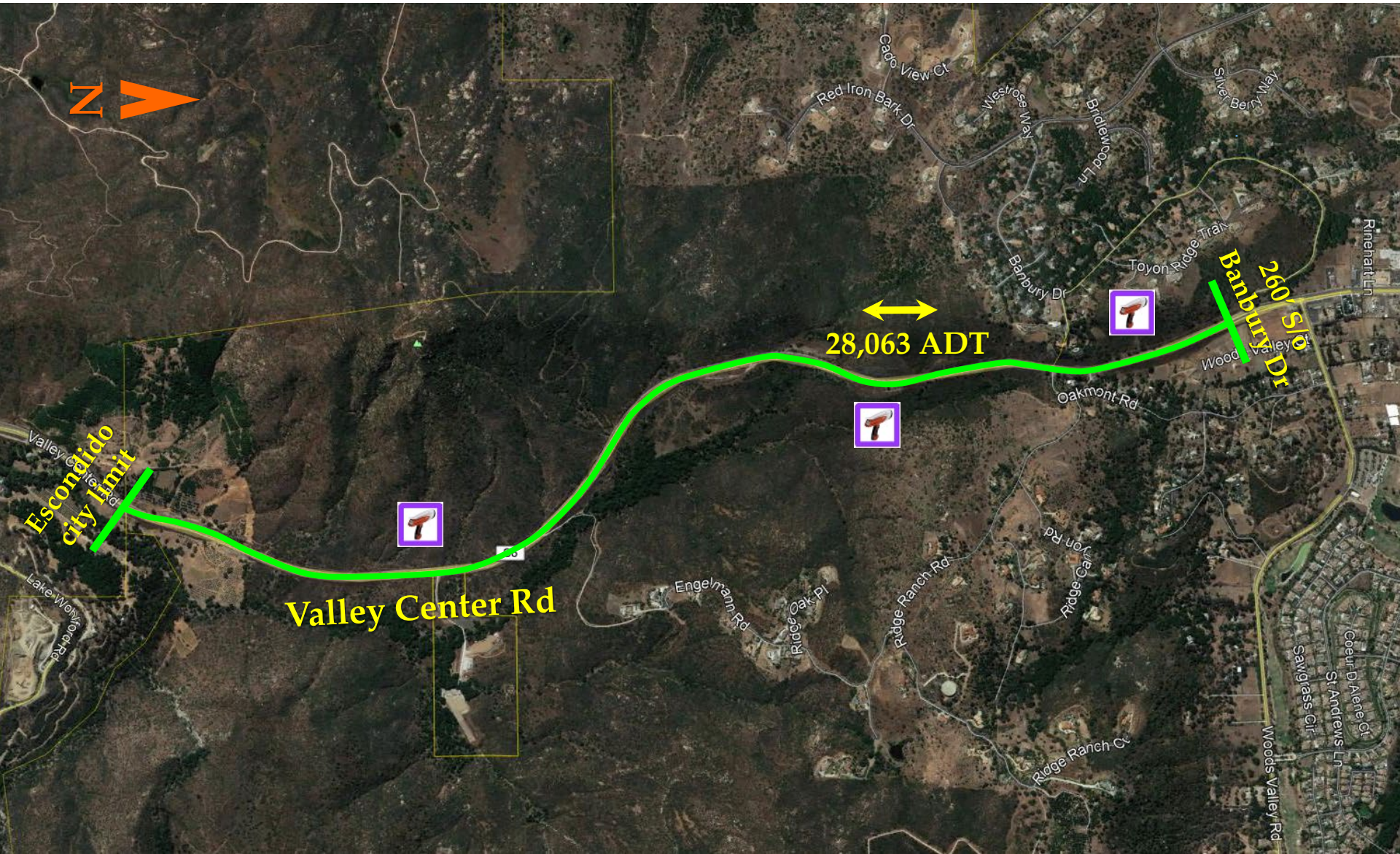


DATA ANALYSIS

Average Speed	41.8	Range	29 - 55
50th Percentile	41.3	10 mph Pace	37 - 46
85th Percentile	45.8	Number in Pace	119
90th Percentile	46.8	Percent in Pace	78%
95th Percentile	48.6		

5-D. Radar Certification

Valley Center Rd from Escondido C/L to 260' S/o Banbury Dr
(2.54 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 5-D

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Valley Center Road from the Escondido city limit (north of Lake Wohlford Road) to a point 260' south of Banbury Drive (a distance of 2.54 miles) VALLEY CENTER (Thos. Bros. 1110-F3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Valley Center Road from the Escondido city limit (north of Lake Wohlford Road) to a point 260' south of Banbury Drive is a posted 60 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 60 MPH speed limit for radar enforcement.

Existing Traffic Devices

Valley Center Road is a striped four-lane divided roadway with a 54 foot travelled way on a 74 foot road bed. The roadway is striped with median island striping, two-way left turn lane, intermittent turn lane, an acceleration lane, and bike lane. This roadway is classified as a Major Road on the County General Plan Mobility Element Network. Valley Center Road is currently posted 60 MPH.

Average Daily Traffic Volumes

	<u>10/20</u>	<u>11/01</u>
Valley Center Road:		
300' S/o Ridge Ranch Rd	28,063	20,460

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Valley Center Road:				
2,340' N/o Mile Post 23	(2020)	61.5 MPH	53-62	85.0%
	(2001)	62.3 MPH	52-61	51.2%
2,185' S/o Ridge Ranch Road	(2020)	63.3 MPH	55-64	84.0%
	(2001)	60.6 MPH	50-59	56.7%
950' N/o Ridge Ranch Road	(2020)	63.2 MPH	52-61	66.0%
Speed Zone	(2020)	62.7 MPH	53-62	78.3%

(2001) 61.5 MPH 51-60 54.0%

Collision Data

There have been 28 reported collision along this segment of roadway, 12 of which involved injury, in a 3 year period (06-01-17 to 05-31-20). These collisions resulted in a segment accident rate of 0.36 collisions per million vehicle miles. The statewide average is 1.61 collisions per million vehicle miles for similar rolling rural divided 4 lanes.



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: November 25, 2020

Item Title: Speed Limit and Radar Certification

Location: Valley Center Road from Ridge Ranch Road to Cole Grade Road

CTE Recommendation: **Establish 45 MPH Radar Enforced Speed Limit**

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.
- Valley Center Road is a four-lane Major roadway with bike lanes, a raised median and/or a Two-Way-Left-Turn lane separating opposing traffic, and a trail on the west side of the Road along this section of Valley Center Road. There is no on-street parking and driveway access is limited.
- Recent speed surveys on Valley Center Road taken on October 8, 2020 at 4 locations within the subject segment of Valley Center Road resulted in an overall prevailing speed of 50.1 mph, which supports a speed limit of 50 mph using radar for speed enforcement.
- A review of the roadway collision data for the most recent three year period (June 2017 to May 2020) shows a total of 97 reported collisions on the subject

section of Valley Center Road which results in a collision rate of 1.41 collisions per million-vehicle-mile (c/mvm) compared to a state average of 0.60 c/mvm for similar roadway. Three (3) of the 97 collisions resulted in fatalities.

- 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 45 mph radar enforced speed limit on Valley Center Road between Ridge Ranch Road and Cole Grade Road is reasonable and safe.

VOLUME

Valley Center Rd 300' S/O Ridge Ranch Rd

Day: Thursday
Date: 10/15/2020City: Valley Center
Project #: CA20_040201_036

DAILY TOTALS					NB	SB						EB	WB						Total
					14,150	13,913						0	0						28,063
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	42	30			72		12:00	201	187			388							388
00:15	29	19			48		12:15	199	201			400							400
00:30	22	28			50		12:30	207	210			417							417
00:45	18	111	19	96	37	207	12:45	232	839	199	797	431	1636						431
01:00	7	14			21		13:00	215	233			448							448
01:15	13	31			44		13:15	209	177			386							386
01:30	14	21			35		13:30	218	199			417							417
01:45	7	41	20	86	27	127	13:45	203	845	211	820	414	1665						414
02:00	10	13			23		14:00	254	201			455							455
02:15	8	26			34		14:15	218	215			433							433
02:30	15	17			32		14:30	244	232			476							476
02:45	9	42	15	71	24	113	14:45	239	955	205	853	444	1808						444
03:00	9	23			32		15:00	281	212			493							493
03:15	5	28			33		15:15	281	254			535							535
03:30	12	24			36		15:30	331	202			533							533
03:45	9	35	23	98	32	133	15:45	294	1187	286	954	580	2141						580
04:00	10	30			40		16:00	334	236			570							570
04:15	9	49			58		16:15	379	241			620							620
04:30	26	60			86		16:30	375	210			585							585
04:45	22	67	73	212	95	279	16:45	323	1411	203	890	526	2301						526
05:00	18	85			103		17:00	391	230			621							621
05:15	38	120			158		17:15	359	253			612							612
05:30	70	176			246		17:30	320	218			538							538
05:45	95	221	164	545	259	766	17:45	303	1373	166	867	469	2240						469
06:00	108	185			293		18:00	284	188			472							472
06:15	133	199			332		18:15	304	195			499							499
06:30	155	226			381		18:30	246	170			416							416
06:45	147	543	241	851	388	1394	18:45	258	1092	181	734	439	1826						439
07:00	123	238			361		19:00	242	174			416							416
07:15	113	270			383		19:15	213	162			375							375
07:30	134	279			413		19:30	205	122			327							327
07:45	161	531	247	1034	408	1565	19:45	149	809	113	571	262	1380						262
08:00	136	207			343		20:00	146	115			261							261
08:15	142	206			348		20:15	177	109			286							286
08:30	139	242			381		20:30	148	89			237							237
08:45	148	565	188	843	336	1408	20:45	122	593	89	402	211	995						211
09:00	133	204			337		21:00	98	62			160							160
09:15	162	223			385		21:15	125	82			207							207
09:30	169	206			375		21:30	114	78			192							192
09:45	189	653	177	810	366	1463	21:45	86	423	70	292	156	715						156
10:00	155	197			352		22:00	94	60			154							154
10:15	151	243			394		22:15	83	71			154							154
10:30	178	212			390		22:30	67	49			116							116
10:45	162	646	219	871	381	1517	22:45	38	282	43	223	81	505						81
11:00	185	232			417		23:00	50	40			90							90
11:15	175	195			370		23:15	51	45			96							96
11:30	163	210			373		23:30	34	39			73							73
11:45	201	724	193	830	394	1554	23:45	27	162	39	163	66	325						66
TOTALS	4179	6347			10526		TOTALS	9971	7566			17537							17537
SPLIT %	39.7%	60.3%			37.5%		SPLIT %	56.9%	43.1%			62.5%							62.5%

DAILY TOTALS					NB	SB						EB	WB						Total
					14,150	13,913						0	0						28,063
AM Peak Hour	11:45	07:00			11:45		PM Peak Hour	16:15	15:15			15:45							15:45
AM Pk Volume	808	1034			1599		PM Pk Volume	1468	978			2355							2355
Pk Hr Factor	0.976	0.927			0.959		Pk Hr Factor	0.939	0.855			0.950							0.950
7 - 9 Volume	1096	1877	0	0	2973		4 - 6 Volume	2784	1757	0	0	4541							4541
7 - 9 Peak Hour	07:45	07:00			07:00		4 - 6 Peak Hour	16:15	16:45			16:15							16:15
7 - 9 Pk Volume	578	1034	0	0	1565		4 - 6 Pk Volume	1468	904	0	0	2352							2352
Pk Hr Factor	0.898	0.927	0.000	0.000	0.947		Pk Hr Factor	0.939	0.893	0.000	0.000	0.947							0.947



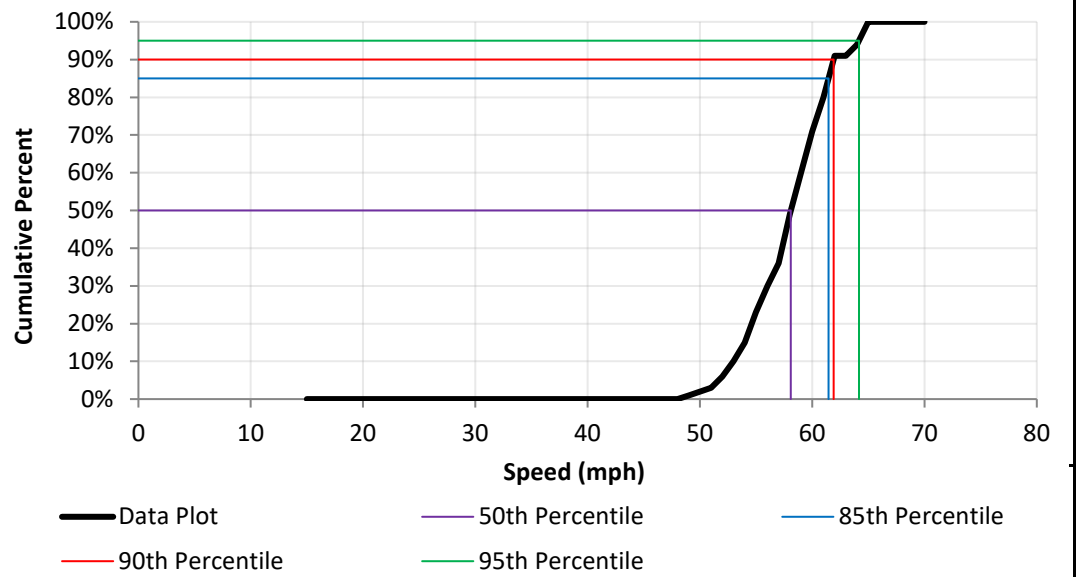
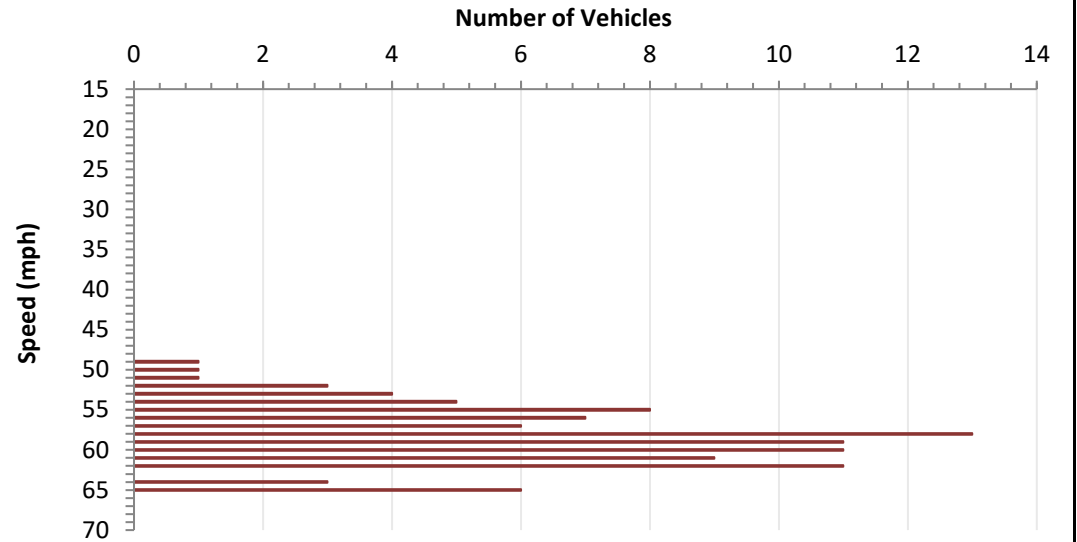
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	Escondido City Limit	To:	260' S/o Banbury Dr
Position:	2,340' N/o Mile Post 23	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-010
Time Start:	1:45 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	2:30 PM	Posted Speed:	60 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		
42		
43		
44		
45		
46		
47		
48		
49	1	1.0%
50	1	2.0%
51	1	3.0%
52	3	6.0%
53	4	10.0%
54	5	15.0%
55	8	23.0%
56	7	30.0%
57	6	36.0%
58	13	49.0%
59	11	60.0%
60	11	71.0%
61	9	80.0%
62	11	91.0%
63		
64	3	94.0%
65	6	100.0%
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS

Average Speed	58.4	Range	49 - 65
50th Percentile	58.1	10 mph Pace	53 - 62
85th Percentile	61.5	Number in Pace	85
90th Percentile	61.9	Percent in Pace	85%
95th Percentile	64.2		



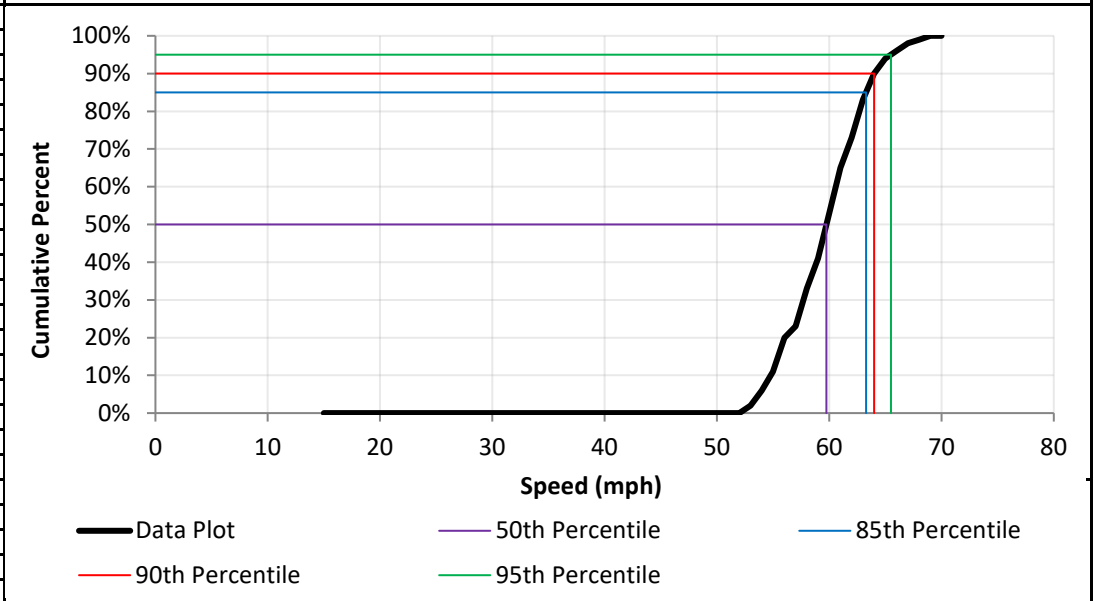
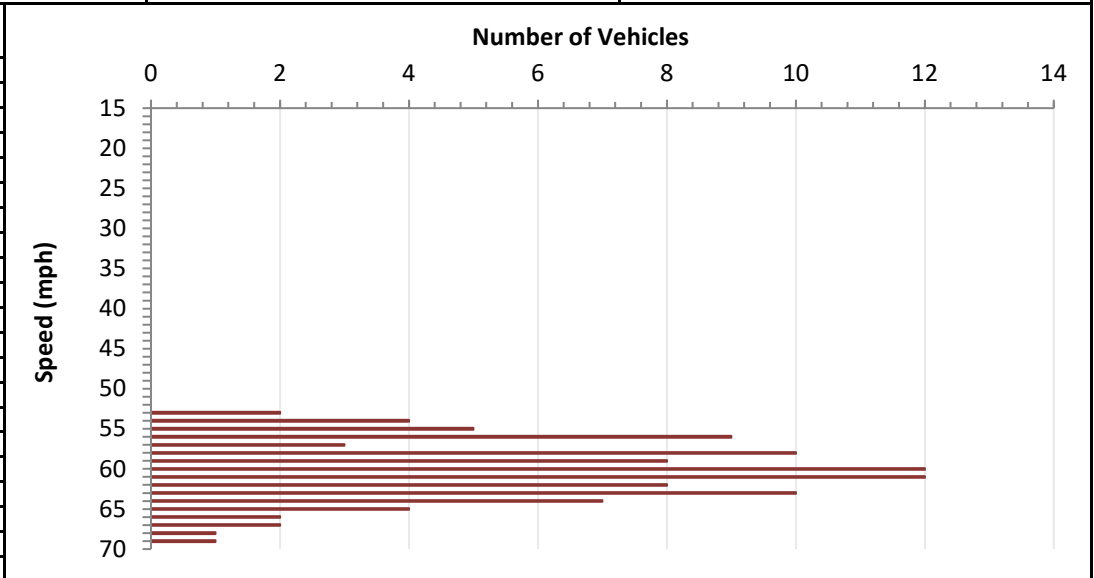
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	Escondido City Limit	To:	260' S/o Banbury Dr
Position:	2,185' SO Ridge Ranch Rd	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-013
Time Start:	12:15 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:45 PM	Posted Speed:	60 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		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53	2	2.0%
54	4	6.0%
55	5	11.0%
56	9	20.0%
57	3	23.0%
58	10	33.0%
59	8	41.0%
60	12	53.0%
61	12	65.0%
62	8	73.0%
63	10	83.0%
64	7	90.0%
65	4	94.0%
66	2	96.0%
67	2	98.0%
68	1	99.0%
69	1	100.0%
70		
Total	100	



DATA ANALYSIS			
Average Speed	60.1	Range	53 - 69
50th Percentile	59.8	10 mph Pace	55 - 64
85th Percentile	63.3	Number in Pace	84
90th Percentile	64.0	Percent in Pace	84%
95th Percentile	65.5		



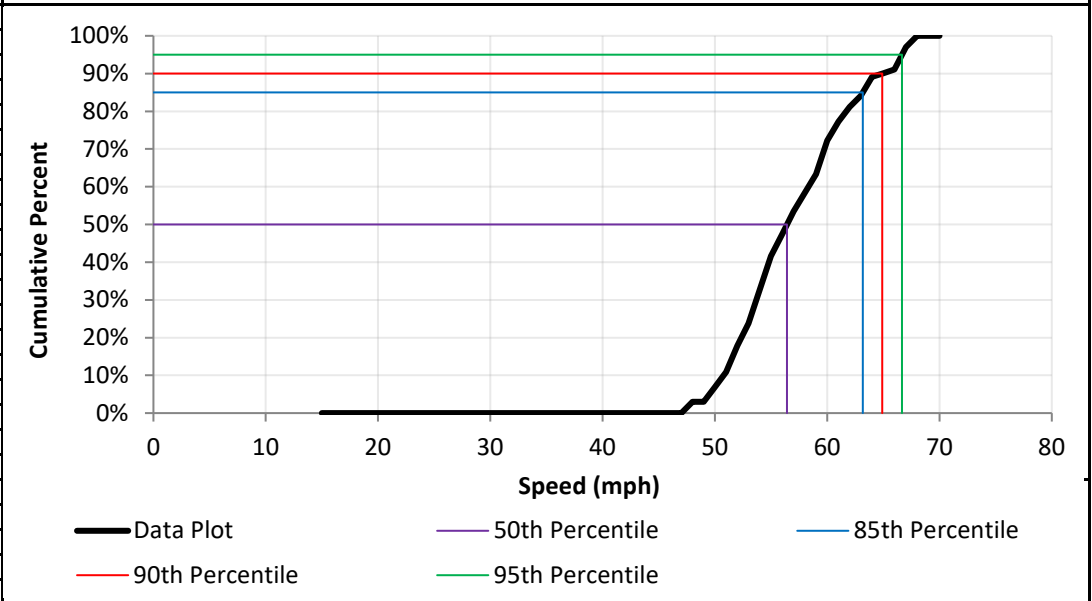
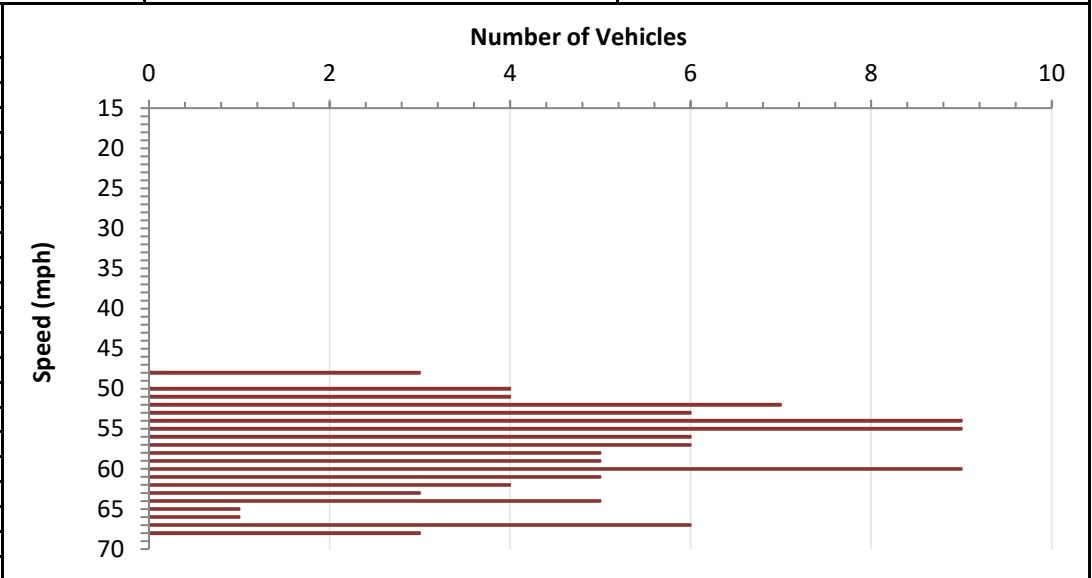
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	Escondido City Limit	To:	260' S/o Banbury Dr
Position:	950' N/o Ridge Ranch Rd	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-013
Time Start:	12:15 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:45 PM	Posted Speed:	60 MPH	Calibration Test:	Y

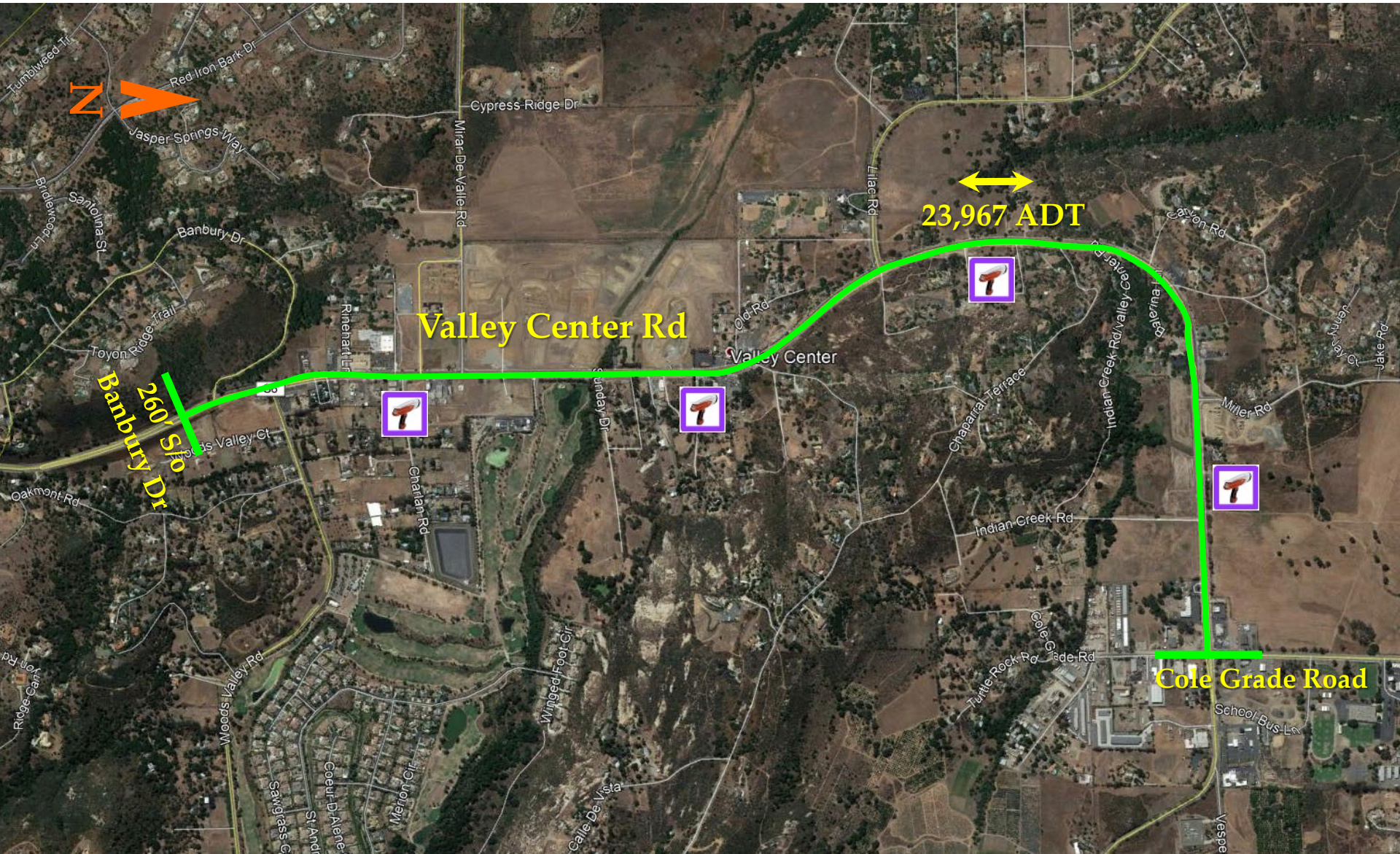
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48	3	3.0%
49		
50	4	6.9%
51	4	10.9%
52	7	17.8%
53	6	23.8%
54	9	32.7%
55	9	41.6%
56	6	47.5%
57	6	53.5%
58	5	58.4%
59	5	63.4%
60	9	72.3%
61	5	77.2%
62	4	81.2%
63	3	84.2%
64	5	89.1%
65	1	90.1%
66	1	91.1%
67	6	97.0%
68	3	100.0%
69		
70		
Total	101	



DATA ANALYSIS			
Average Speed	57.6	Range	48 - 68
50th Percentile	56.4	10 mph Pace	52 - 61
85th Percentile	63.2	Number in Pace	67
90th Percentile	64.9	Percent in Pace	66%
95th Percentile	66.7		

5-E. Radar Certification

**Valley Center Rd from 260' S/o Banbury Dr to Cole Grade Rd
(2.62 mi)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 11, 2020

Item 5-E

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Valley Center Road from 260' south of Banbury Drive to Cole Grade Road (a distance of 2.62 miles) VALLEY CENTER (Thos. Bros. 1090-E5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Valley Center Road from 260' south of Banbury Drive to Cole Grade Road is a posted 45 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying the 45 MPH speed limit for radar enforcement.

Existing Traffic Devices

Valley Center Road is a striped four-lane divided roadway with a 60 to 72 foot travelled way on a 72 foot road bed. The roadway is striped with a two-way left turn lanes, painted median, intermittent turn lanes, and bike lanes. This roadway is classified as a Boulevard and Major Road on the County General Plan Mobility Element Network. Valley Center Road is currently posted 45 MPH.

<u>Average Daily Traffic Volumes</u>	<u>10/20</u>	<u>11/13</u>	<u>07/02</u>
Valley Center Road:			
150' S/o Old Road	25,016		21,450
300' S/o Chaparral Terrace	22,801		21,370
150' W/o Indian Creek Road	24,083	23,805	

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Valley Center Road:				
At Charlan Road	(2020)	50.0 MPH	43-52	90.0%
	(2009)	57.0 MPH	47-56	62.1%
150' S/o Old Road	(2020)	51.8 MPH	43-52	87.0%
	(2009)	54.0 MPH	45-54	70.1%
300' S/o Chaparral Terrace	(2020)	50.3 MPH	43-52	90.0%

150' W/o Indian Creek Rd	(2020)	48.3 MPH	40-49	85.0%
	(2003)	51.8 MPH	43-52	75.0%
Speed Zone	(2020)	50.1 MPH	39-48	73.0%

Collision Data

There have been 97 reported collision along this segment of roadway, 30 of which involved injury, 3 of which involved a fatality, in a 3 year period (06-01-17 to 05-31-20). These collisions resulted in a segment accident rate of 1.41 collisions per million vehicle miles. The statewide average is 0.60 collisions per million vehicle miles for similar flat rural divided 4 lanes.

VOLUME

Valley Center Rd 150' S/O Old Rd

Day: Thursday
Date: 10/15/2020City: Valley Center
Project #: CA20_040201_033

DAILY TOTALS					NB	SB						EB	WB						Total
					12,497	12,519						0	0						25,016
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	36	30			66		12:00	192	185			377							377
00:15	28	16			44		12:15	173	188			361							361
00:30	16	23			39		12:30	199	184			383							383
00:45	19	99	19	88	38	187	12:45	197	761	175	732	372	1493						1493
01:00	9	16			25		13:00	199	177			376							376
01:15	10	29			39		13:15	189	176			365							365
01:30	9	19			28		13:30	197	171			368							368
01:45	7	35	21	85	28	120	13:45	170	755	163	687	333	1442						1442
02:00	6	12			18		14:00	223	182			405							405
02:15	8	22			30		14:15	204	210			414							414
02:30	11	14			25		14:30	213	211			424							424
02:45	8	33	14	62	22	95	14:45	234	874	203	806	437	1680						1680
03:00	11	16			27		15:00	241	190			431							431
03:15	5	26			31		15:15	265	244			509							509
03:30	11	26			37		15:30	282	215			497							497
03:45	6	33	20	88	26	121	15:45	268	1056	221	870	489	1926						1926
04:00	10	33			43		16:00	237	226			463							463
04:15	14	34			48		16:15	309	208			517							517
04:30	24	53			77		16:30	326	212			538							538
04:45	26	74	68	188	94	262	16:45	292	1164	233	879	525	2043						2043
05:00	20	80			100		17:00	326	212			538							538
05:15	36	104			140		17:15	316	255			571							571
05:30	63	151			214		17:30	261	170			431							431
05:45	107	226	135	470	242	696	17:45	271	1174	158	795	429	1969						1969
06:00	85	161			246		18:00	239	152			391							391
06:15	111	172			283		18:15	275	156			431							431
06:30	118	208			326		18:30	221	153			374							374
06:45	136	450	226	767	362	1217	18:45	226	961	147	608	373	1569						1569
07:00	100	204			304		19:00	229	119			348							348
07:15	103	221			324		19:15	181	129			310							310
07:30	121	248			369		19:30	188	101			289							289
07:45	146	470	208	881	354	1351	19:45	129	727	103	452	232	1179						1179
08:00	117	181			298		20:00	131	91			222							222
08:15	127	190			317		20:15	154	85			239							239
08:30	113	213			326		20:30	133	81			214							214
08:45	127	484	183	767	310	1251	20:45	110	528	76	333	186	861						861
09:00	107	191			298		21:00	95	70			165							165
09:15	138	197			335		21:15	118	70			188							188
09:30	122	198			320		21:30	97	71			168							168
09:45	163	530	172	758	335	1288	21:45	86	396	66	277	152	673						673
10:00	138	216			354		22:00	77	56			133							133
10:15	166	204			370		22:15	61	67			128							128
10:30	163	189			352		22:30	57	41			98							98
10:45	151	618	186	795	337	1413	22:45	39	234	48	212	87	446						446
11:00	170	231			401		23:00	40	34			74							74
11:15	160	167			327		23:15	40	43			83							83
11:30	167	189			356		23:30	29	36			65							65
11:45	190	687	181	768	371	1455	23:45	19	128	38	151	57	279						279
TOTALS	3739	5717			9456		TOTALS	8758	6802			15560							15560
SPLIT %	39.5%	60.5%			37.8%		SPLIT %	56.3%	43.7%			62.2%							62.2%

DAILY TOTALS					NB	SB						EB	WB						Total
					12,497	12,519						0	0						25,016
AM Peak Hour	11:45	06:45			11:45		PM Peak Hour	16:30	16:30			16:30							16:30
AM Pk Volume	754	899			1492		PM Pk Volume	1260	912			2172							2172
Pk Hr Factor	0.947	0.906			0.974		Pk Hr Factor	0.966	0.894			0.951							0.951
7 - 9 Volume	954	1648	0	0	2602		4 - 6 Volume	2338	1674	0	0	4012							4012
7 - 9 Peak Hour	07:30	07:00			07:00		4 - 6 Peak Hour	16:30	16:30			16:30							16:30
7 - 9 Pk Volume	511	881	0	0	1351		4 - 6 Pk Volume	1260	912	0	0	2172							2172
Pk Hr Factor	0.875	0.888	0.000	0.000	0.915		Pk Hr Factor	0.966	0.894	0.000	0.000	0.951							0.951

VOLUME

Valley Center Rd 300' S/O Chaparral Terrace

Day: Thursday
Date: 10/15/2020City: Valley Center
Project #: CA20_040201_035

DAILY TOTALS					NB	SB						EB	WB						Total
					10,844	11,957						0	0						22,801
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	33	30			63		12:00	172	182			354							354
00:15	20	21			41		12:15	150	199			349							349
00:30	14	22			36		12:30	185	184			369							369
00:45	18	85	20	93	38	178	12:45	198	705	162	727	360	1432						1432
01:00	16	15			31		13:00	180	173			353							353
01:15	11	30			41		13:15	170	175			345							345
01:30	9	23			32		13:30	191	176			367							367
01:45	7	43	19	87	26	130	13:45	148	689	159	683	307	1372						1372
02:00	5	10			15		14:00	189	163			352							352
02:15	11	25			36		14:15	178	207			385							385
02:30	9	16			25		14:30	174	181			355							355
02:45	10	35	15	66	25	101	14:45	213	754	188	739	401	1493						1493
03:00	9	23			32		15:00	210	196			406							406
03:15	9	25			34		15:15	227	225			452							452
03:30	11	27			38		15:30	236	229			465							465
03:45	7	36	22	97	29	133	15:45	242	915	218	868	460	1783						1783
04:00	11	31			42		16:00	215	212			427							427
04:15	10	33			43		16:15	246	218			464							464
04:30	22	47			69		16:30	281	207			488							488
04:45	22	65	60	171	82	236	16:45	253	995	250	887	503	1882						1882
05:00	28	68			96		17:00	241	212			453							453
05:15	42	89			131		17:15	247	236			483							483
05:30	57	139			196		17:30	217	154			371							371
05:45	89	216	110	406	199	622	17:45	189	894	158	760	347	1654						1654
06:00	94	157			251		18:00	181	143			324							324
06:15	107	151			258		18:15	192	166			358							358
06:30	123	191			314		18:30	157	156			313							313
06:45	123	447	212	711	335	1158	18:45	163	693	149	614	312	1307						1307
07:00	100	180			280		19:00	188	115			303							303
07:15	121	186			307		19:15	141	128			269							269
07:30	136	210			346		19:30	150	106			256							256
07:45	141	498	193	769	334	1267	19:45	98	577	99	448	197	1025						1025
08:00	109	151			260		20:00	105	91			196							196
08:15	120	182			302		20:15	119	91			210							210
08:30	102	187			289		20:30	85	64			149							149
08:45	138	469	148	668	286	1137	20:45	90	399	86	332	176	731						731
09:00	102	172			274		21:00	78	62			140							140
09:15	135	194			329		21:15	79	73			152							152
09:30	144	163			307		21:30	77	71			148							148
09:45	155	536	163	692	318	1228	21:45	54	288	69	275	123	563						563
10:00	128	182			310		22:00	63	60			123							123
10:15	143	197			340		22:15	44	66			110							110
10:30	157	179			336		22:30	48	49			97							97
10:45	152	580	174	732	326	1312	22:45	31	186	49	224	80	410						410
11:00	152	224			376		23:00	25	38			63							63
11:15	159	158			317		23:15	25	48			73							73
11:30	152	182			334		23:30	27	44			71							71
11:45	177	640	180	744	357	1384	23:45	22	99	34	164	56	263						263
TOTALS	3650	5236			8886		TOTALS	7194	6721			13915							13915
SPLIT %	41.1%	58.9%			39.0%		SPLIT %	51.7%	48.3%			61.0%							61.0%

DAILY TOTALS					NB	SB						EB	WB						Total
					10,844	11,957						0	0						22,801
AM Peak Hour	11:45	06:45			11:45		PM Peak Hour	16:30	16:30			16:30							16:30
AM Pk Volume	684	788			1429		PM Pk Volume	1022	905			1927							1927
Pk Hr Factor	0.924	0.929			0.968		Pk Hr Factor	0.909	0.905			0.958							0.958
7 - 9 Volume	967	1437	0	0	2404		4 - 6 Volume	1889	1647	0	0	3536							3536
7 - 9 Peak Hour	07:15	07:00			07:00		4 - 6 Peak Hour	16:30	16:30			16:30							16:30
7 - 9 Pk Volume	507	769	0	0	1267		4 - 6 Pk Volume	1022	905	0	0	1927							1927
Pk Hr Factor	0.899	0.915	0.000	0.000	0.915		Pk Hr Factor	0.909	0.905	0.000	0.000	0.958							0.958

VOLUME

Valley Center Rd 150' W/O Indian Creek Rd

Day: Thursday
Date: 10/15/2020City: Valley Center
Project #: CA20_040201_034

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						12,208	11,875						24,083
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			31	30	61		12:00			190	192	382							
00:15			25	23	48		12:15			166	195	361							
00:30			15	22	37		12:30			192	199	391							
00:45			22	93	21	96	12:45			206	754	163	749	369	1503				
01:00			15	17	32		13:00			187	185	372							
01:15			12	33	45		13:15			193	173	366							
01:30			9	20	29		13:30			194	183	377							
01:45			9	45	19	89	13:45			190	764	166	707	356	1471				
02:00			6	14	20		14:00			221	156	377							
02:15			12	22	34		14:15			200	214	414							
02:30			11	18	29		14:30			203	178	381							
02:45			11	40	16	70	14:45			249	873	180	728	429	1601				
03:00			7	24	31		15:00			240	208	448							
03:15			8	26	34		15:15			252	217	469							
03:30			14	27	41		15:30			280	245	525							
03:45			7	36	22	99	15:45			277	1049	210	880	487	1929				
04:00			12	30	42		16:00			231	214	445							
04:15			8	37	45		16:15			289	217	506							
04:30			24	46	70		16:30			311	232	543							
04:45			25	69	54	167	16:45			301	1132	238	901	539	2033				
05:00			26	70	96		17:00			283	189	472							
05:15			44	87	131		17:15			281	232	513							
05:30			55	128	183		17:30			271	165	436							
05:45			97	222	103	388	17:45			216	1051	142	728	358	1779				
06:00			105	146	251		18:00			229	153	382							
06:15			117	148	265		18:15			226	163	389							
06:30			124	173	297		18:30			204	153	357							
06:45			134	480	218	685	18:45			187	846	145	614	332	1460				
07:00			92	161	253		19:00			224	120	344							
07:15			133	185	318		19:15			172	117	289							
07:30			132	210	342		19:30			190	110	300							
07:45			166	523	177	733	19:45			126	712	100	447	226	1159				
08:00			109	148	257		20:00			117	93	210							
08:15			135	187	322		20:15			140	78	218							
08:30			109	170	279		20:30			119	57	176							
08:45			135	488	144	649	20:45			105	481	81	309	186	790				
09:00			106	162	268		21:00			102	66	168							
09:15			132	180	312		21:15			101	79	180							
09:30			143	171	314		21:30			92	68	160							
09:45			153	534	169	682	21:45			67	362	65	278	132	640				
10:00			139	184	323		22:00			71	66	137							
10:15			160	200	360		22:15			61	66	127							
10:30			161	187	348		22:30			57	51	108							
10:45			163	623	176	747	22:45			40	229	50	233	90	462				
11:00			155	222	377		23:00			33	43	76							
11:15			173	160	333		23:15			35	50	85							
11:30			166	171	337		23:30			33	39	72							
11:45			180	674	175	728	23:45			27	128	36	168	63	296				
TOTALS			3827	5133	8960		TOTALS			8381	6742	15123							
SPLIT %			42.7%	57.3%	37.2%		SPLIT %			55.4%	44.6%	62.8%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						12,208	11,875						24,083
AM Peak Hour			11:45	10:15	11:45		PM Peak Hour			16:15	16:00	16:30							
AM Pk Volume			728	785	1489		PM Pk Volume			1184	901	2067							
Pk Hr Factor			0.948	0.884	0.952		Pk Hr Factor			0.952	0.946	0.952							
7 - 9 Volume	0	0	1011	1382	2393		4 - 6 Volume	0	0	2183	1629	3812							
7 - 9 Peak Hour			07:30	07:00	07:30		4 - 6 Peak Hour			16:15	16:00	16:30							
7 - 9 Pk Volume	0	0	542	733	1264		4 - 6 Pk Volume	0	0	1184	901	2067							
Pk Hr Factor	0.000	0.000	0.816	0.873	0.921		Pk Hr Factor	0.000	0.000	0.952	0.946	0.952							



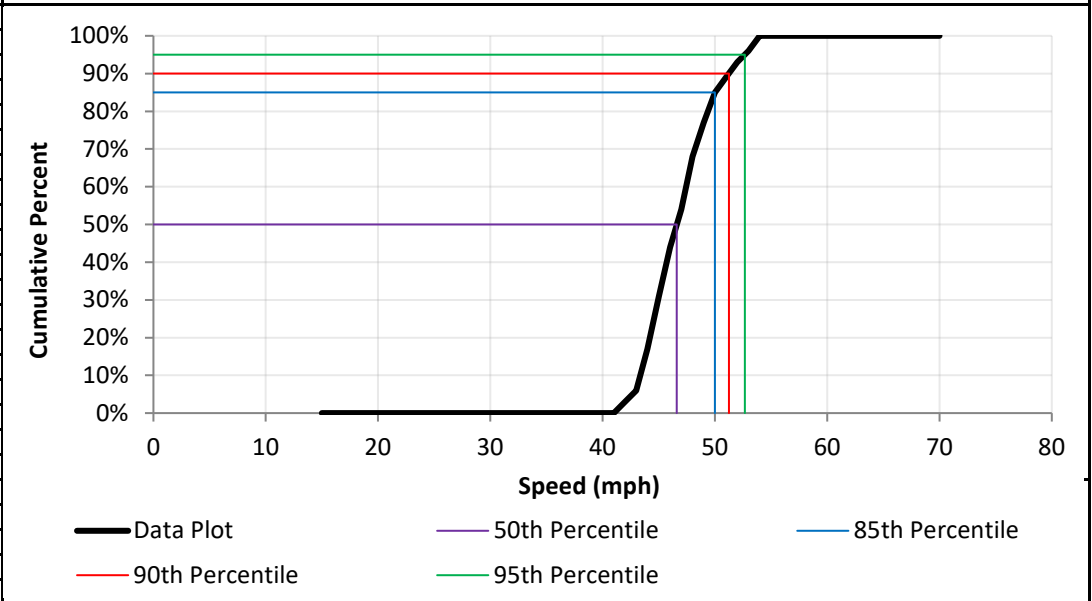
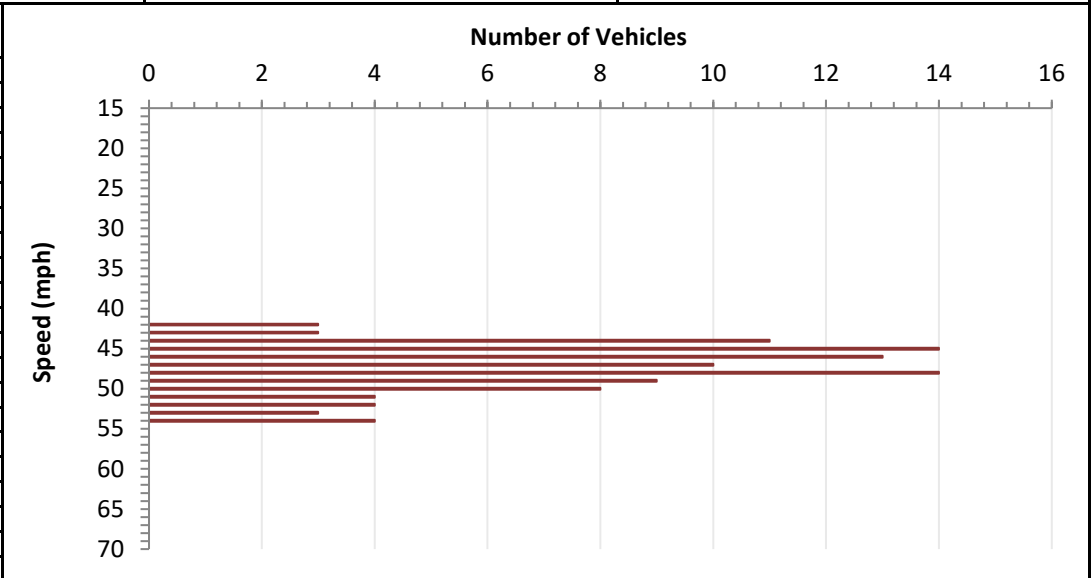
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	260' S/o Banbury Dr	To:	Cole Grade Rd
Position:	at Charlan Rd	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-009
Time Start:	11:30 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:00 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		
36		
37		
38		
39		
40		
41		
42	3	3.0%
43	3	6.0%
44	11	17.0%
45	14	31.0%
46	13	44.0%
47	10	54.0%
48	14	68.0%
49	9	77.0%
50	8	85.0%
51	4	89.0%
52	4	93.0%
53	3	96.0%
54	4	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS			
Average Speed	47.4	Range	42 - 54
50th Percentile	46.6	10 mph Pace	43 - 52
85th Percentile	50.0	Number in Pace	90
90th Percentile	51.3	Percent in Pace	90%
95th Percentile	52.7		



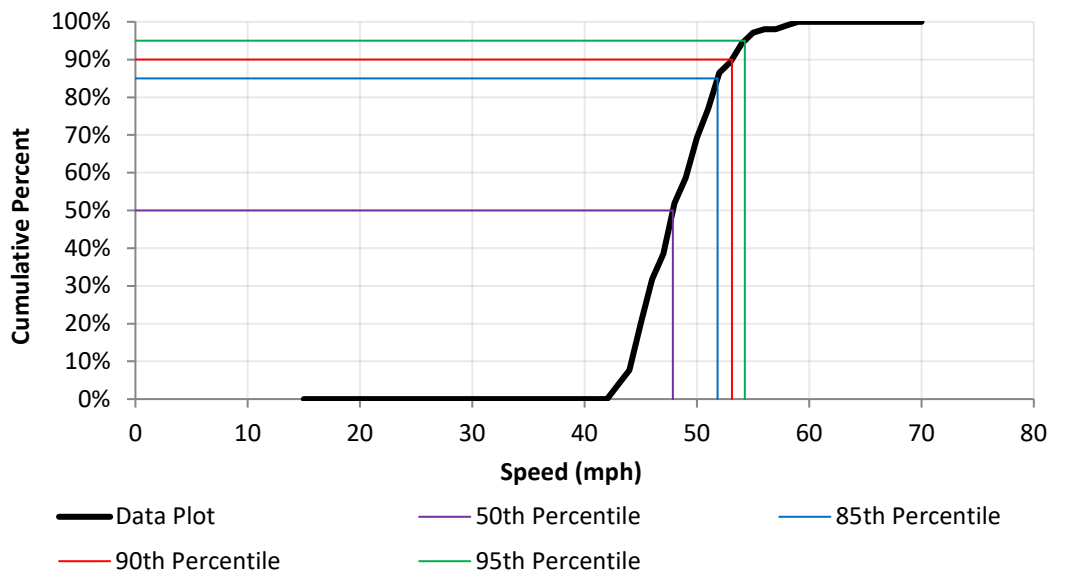
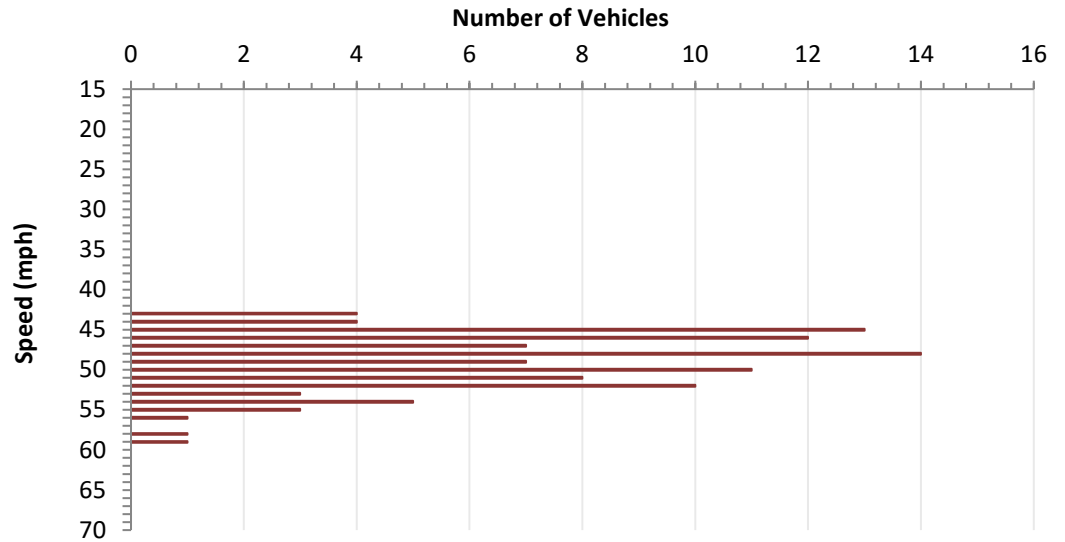
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	260' S/o Banbury Dr	To:	Cole Grade Rd
Position:	150' S/o Old Rd	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-011
Time Start:	10:45 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:15 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		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43	4	3.8%
44	4	7.7%
45	13	20.2%
46	12	31.7%
47	7	38.5%
48	14	51.9%
49	7	58.7%
50	11	69.2%
51	8	76.9%
52	10	86.5%
53	3	89.4%
54	5	94.2%
55	3	97.1%
56	1	98.1%
57		
58	1	99.0%
59	1	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	104	



DATA ANALYSIS

Average Speed	48.8	Range	43 - 59
50th Percentile	47.9	10 mph Pace	43 - 52
85th Percentile	51.8	Number in Pace	90
90th Percentile	53.1	Percent in Pace	87%
95th Percentile	54.3		



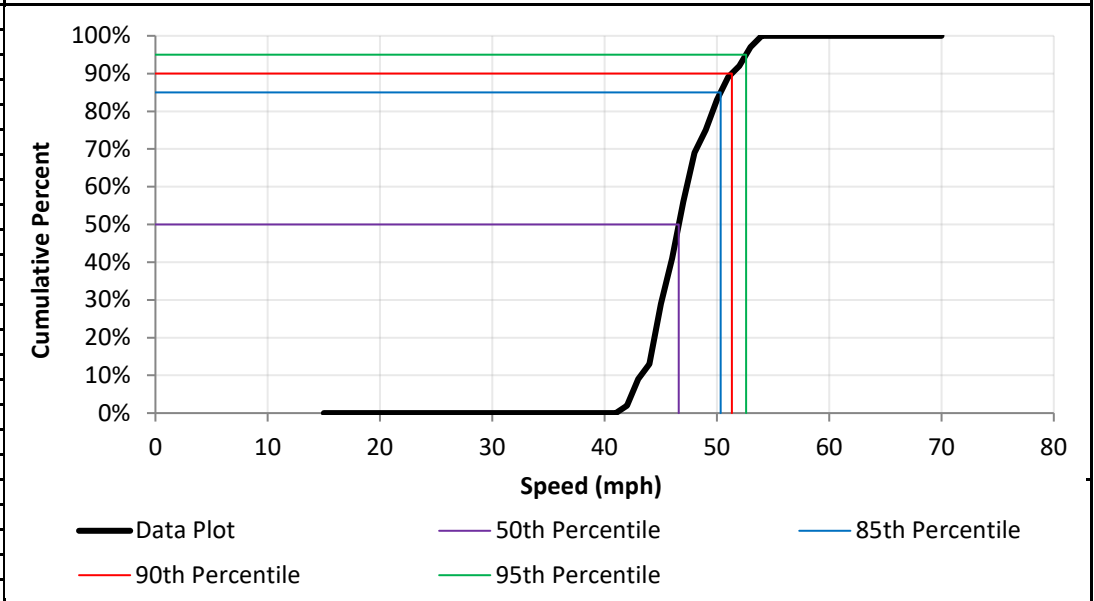
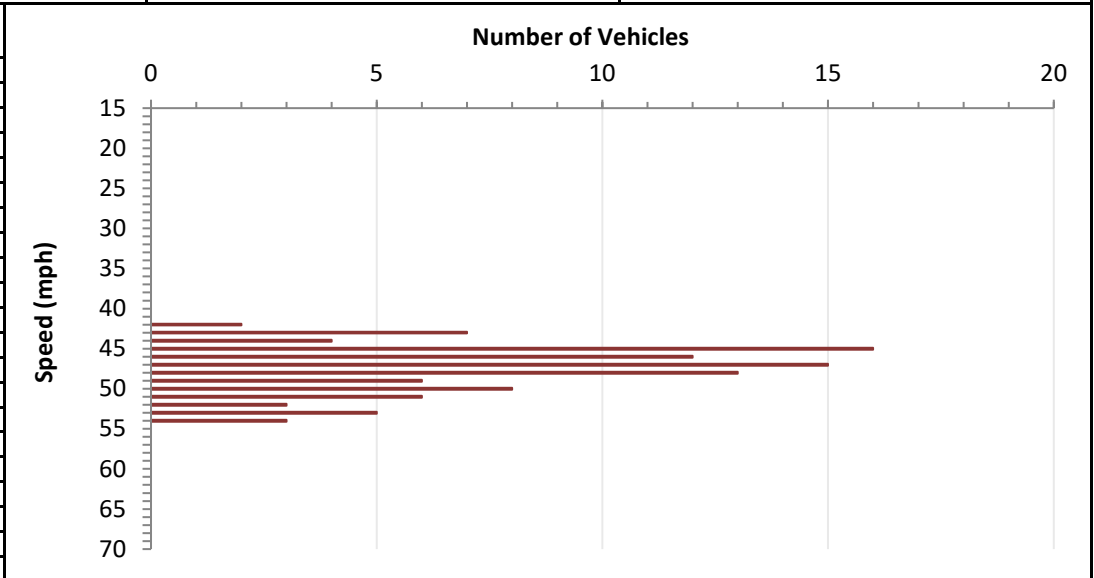
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	260' S/o Banbury Dr	To:	Cole Grade Rd
Position:	300' S/o Chaparral Terrace	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	18-4121-012
Time Start:	10:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	10:30 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		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42	2	2.0%
43	7	9.0%
44	4	13.0%
45	16	29.0%
46	12	41.0%
47	15	56.0%
48	13	69.0%
49	6	75.0%
50	8	83.0%
51	6	89.0%
52	3	92.0%
53	5	97.0%
54	3	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS			
Average Speed	47.5	Range	42 - 54
50th Percentile	46.6	10 mph Pace	43 - 52
85th Percentile	50.3	Number in Pace	90
90th Percentile	51.3	Percent in Pace	90%
95th Percentile	52.6		



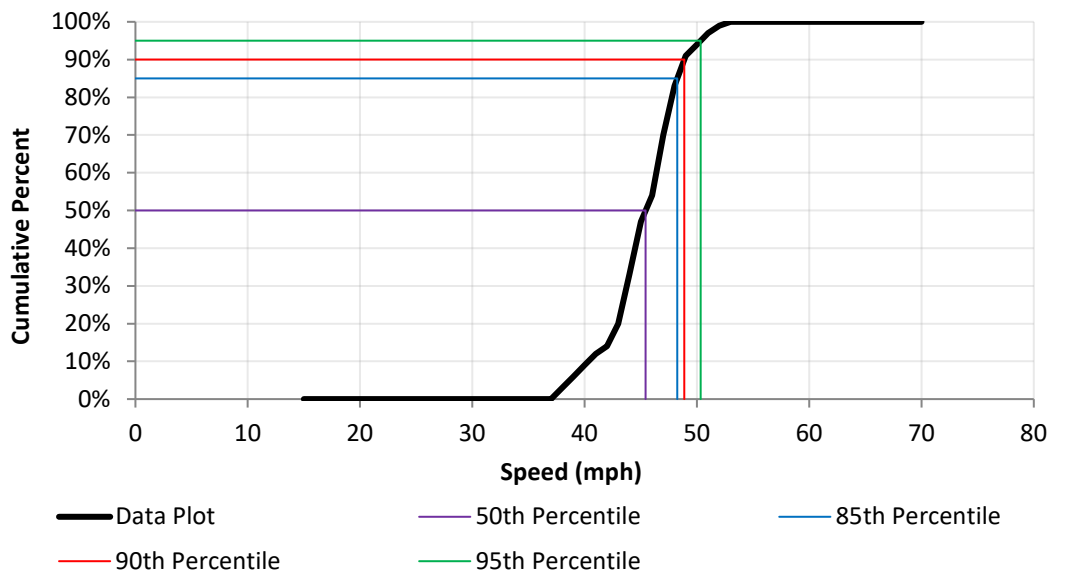
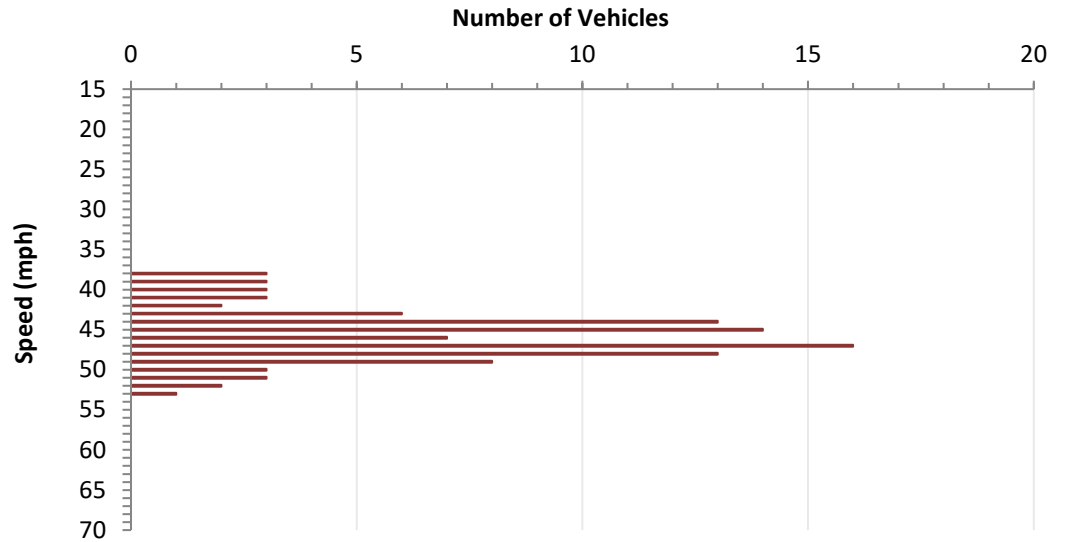
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Valley Center Rd	From:	260' S/o Banbury Dr	To:	Cole Grade Rd
Position:	150' W/o Indian Creek Rd	Direction:	NB/SB		

Date:	10/8/2020	Weather:	Clear	Project Number:	20-040200-016
Time Start:	9:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	9:45 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		
32		
33		
34		
35		
36		
37		
38	3	3.0%
39	3	6.0%
40	3	9.0%
41	3	12.0%
42	2	14.0%
43	6	20.0%
44	13	33.0%
45	14	47.0%
46	7	54.0%
47	16	70.0%
48	13	83.0%
49	8	91.0%
50	3	94.0%
51	3	97.0%
52	2	99.0%
53	1	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS

Average Speed	45.7	Range	38 - 53
50th Percentile	45.4	10 mph Pace	40 - 49
85th Percentile	48.3	Number in Pace	85
90th Percentile	48.9	Percent in Pace	85%
95th Percentile	50.3		