

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

July 14, 2021

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

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

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

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 619-343-2539,,858464643#](tel:+16193432539,858464643#) United States, San Diego

Phone Conference ID: 858 464 643#

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

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

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

Very truly yours,

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

KRJ:sh

Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

July 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 2</u>		
2-A. RADAR CERTIFICATION	AURORA DRIVE LOS COCHES RD TO HIGHWAY 8 BUSINESS	LAKESIDE/ LAKESIDE CPG
2-B. RADAR CERTIFICATION	OLDE HIGHWAY 80 LAKE JENNINGS PARK RD TO DUNBAR LN	FLINN SPRINGS/ LAKESIDE CPG
2-C. RADAR CERTIFICATION	AUSTIN DRIVE MONTEMAR DR TO SWEETWATER SPRINGS BL	SPRING VALLEY/ SPRING VALLEY CPG
2-D. RADAR CERTIFICATION	AUSTIN DRIVE SWEETWATER SPRINGS BL TO CALAVO DR	SPRING VALLEY/ SPRING VALLEY CPG
2-E. INTERSECTION CONTROL	KEMPTON STREET & SAINT GEORGE STREET	LA PRESA/ SPRING VALLEY CPG
2-F. INTERSECTION CONTROL	GILLESPIE DRIVE & SAINT GEORGE STREET	LA PRESA/ SPRING VALLEY CPG
<u>SUPERVISORIAL DISTRICT 5</u>		
5-A. RADAR CERTIFICATION	RANCHO SANTA FE RD/LA BAJADA/LOS MORROS ENCINITAS CITY LIMIT TO LA GRANADA	RANCHO SANTA FE/ SAN DIEGUITO CPG
5-B. RADAR CERTIFICATION	PARADISE MOUNTAIN ROAD N LAKE WOHLFORD RD TO END OF CMR	VALLEY CENTER/ VALLEY CENTER CPG

2-A. Radar Certification

Aurora Drive

Los Coches Road to Highway 8 Business (0.63 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Aurora Drive from Los Coches Road to Highway 8 Business (a distance of 0.63 miles) LAKESIDE (Thos. Bros. 1232-D7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Aurora Drive from Los Coches Road to Highway 8 Business is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 40 MPH speed limit.

Existing Traffic Devices

Aurora Drive is a striped two-lane roadway with a 24 to 30 foot travelled way and road bed. The roadway is striped with a no passing centerline. Aurora Drive is unclassified on the County General Plan Mobility Element Network. The roadway is posted 40 MPH/Radar Enforced.

Average Daily Traffic Volumes

	<u>05/21</u>	<u>07/14</u>	
Aurora Drive:			
100' W/o Medill Avenue	1,320*	1,070	*Estimate

	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
<u>Speed Data</u>			
Aurora Drive:			
580' S/o Los Coches Road (2021)	41.8 MPH	34-43	75.0%
100' W/o Medill Avenue (2014)	44.0 MPH	35-44	80.0%

Collision Data

There have been 2 reported collisions along this segment of roadway, none 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 2.28 collisions per million vehicle miles. The statewide average is 1.60 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Aurora Dr **From:** Los Cochés Rd **To:** Hwy 8 Business

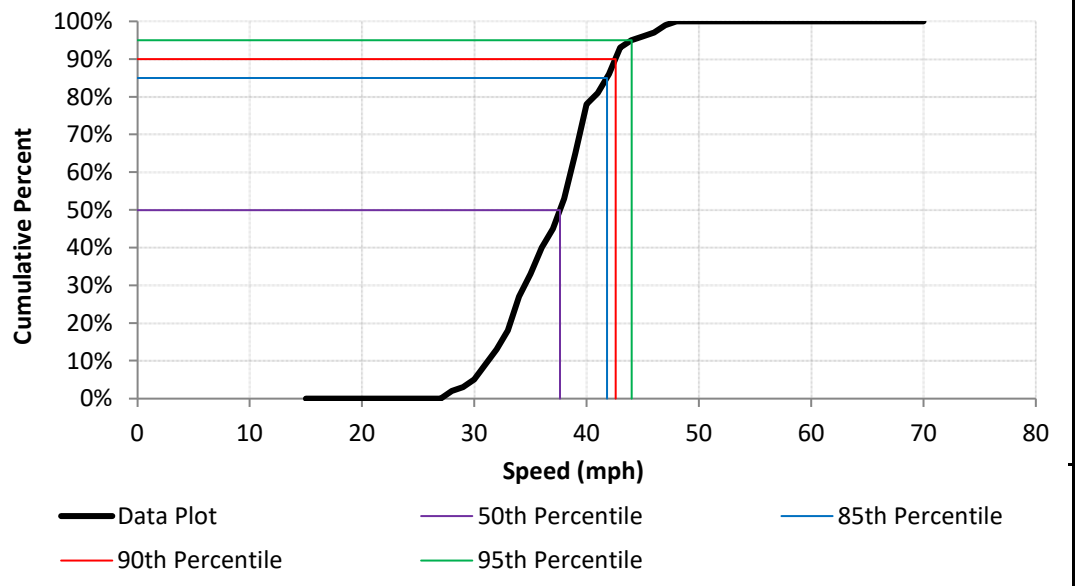
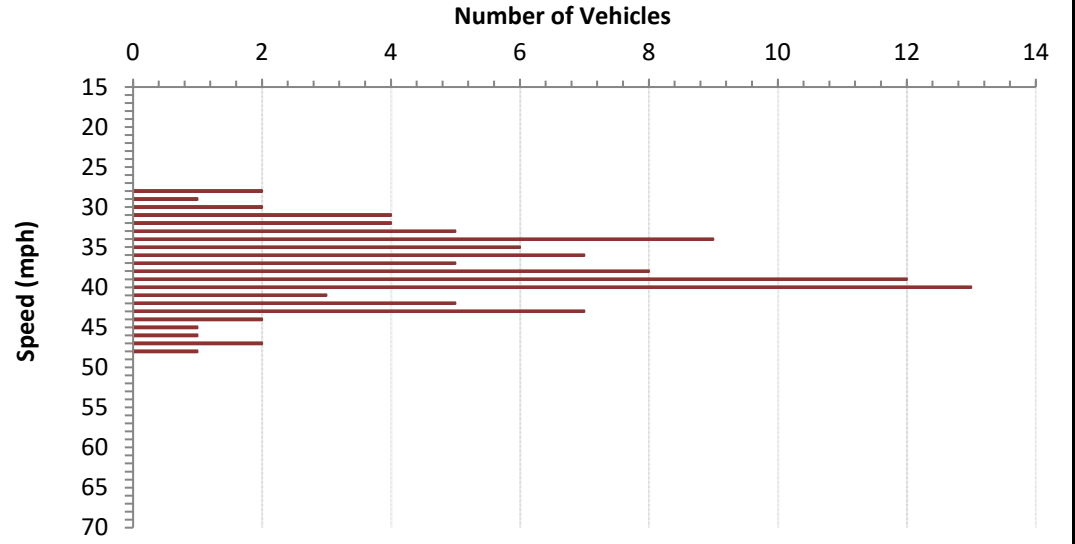
Position: 580 ft S/O Los Cochés Rd **Direction:** NB/SB

Date: 6/17/2021 **Weather:** Clear **Project Number:** 0

Time Start: 11:55AM **Road Condition:** DRY **Observer:** Barra Manaseer

Time End: 2:00PM **Posted Speed:** 40 **Calibration Test:** 0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	2	2.0%
29	1	3.0%
30	2	5.0%
31	4	9.0%
32	4	13.0%
33	5	18.0%
34	9	27.0%
35	6	33.0%
36	7	40.0%
37	5	45.0%
38	8	53.0%
39	12	65.0%
40	13	78.0%
41	3	81.0%
42	5	86.0%
43	7	93.0%
44	2	95.0%
45	1	96.0%
46	1	97.0%
47	2	99.0%
48	1	100.0%
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS

Average Speed	37.6	Range	28 - 48
50th Percentile	37.6	10 mph Pace	34 - 43
85th Percentile	41.8	Number in Pace	75
90th Percentile	42.6	Percent in Pace	75%
95th Percentile	44.0		

2-B. Radar Certification Olde Highway 80 Lake Jennings Park Road to Dunbar Lane (3.81 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Olde Highway 80 from Lake Jennings Park Road to Dunbar Lane (a distance of 3.81 miles) FLINN SPRINGS (Thos. Bros. 1232-F5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:
 Olde Highway 80 from Lake Jennings Park Road to Dunbar Lane is posted 50 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 50 MPH speed limit.

Existing Traffic Devices

Olde Highway 80 is a striped two-lane through highway with a 36 foot travelled way on a 36 to 70 foot road bed. The roadway is striped with a no passing centerline, two way left turn lane, and bike lanes. Olde Highway 80 is classified as a Major Road/Light Collector on the County General Plan Mobility Element Network. The roadway is posted 50 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>05/21</u>	<u>08/13</u>		
Olde Highway 80:				
370' E/o Pecan Park Lane (east leg)	12,339	11,550		
780' W/o Hawley Road	5,628	5,950		
<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>	
Olde Highway 80:				
370' E/o Pecan Park Lane (2021)	50.2 MPH	42-51	73.0%	
(2013)	51.0 MPH	42-51	69.0%	
980' W/o Flinn Springs Rd (2021)	54.1 MPH	46-55	76.0%	
(2013)	55.9 MPH	46-55	74.0%	
780' W/o Hawley Road (2021)	52.6 MPH	44-53	63.0%	
(2013)	52.0 MPH	44-53	68.0%	
480' E/o Silva Road (2021)	51.2 MPH	42-51	71.0%	

Speed Zone	(2021)	52.0 MPH	44-53	70.7%
	(2013)	53.0 MPH	44-53	70.3%

Collision Data

There have been 76 reported collisions along this segment of roadway, 38 of which involved injury, 4 of which involved fatality, in a 3 year period (02-01-2018 to 01-31-2021). These collisions result in a segment accident rate of 2.03 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

Olde Hwy 80 370' E/O Pecan Park Ln

Day: Tuesday
Date: 5/18/2021

City: El Cajon
Project #: CA21_040084_018

DAILY TOTALS					NB	SB						Total
					0	0						12,339
							6,276					6,063
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			11	9	20	12:00			90	97	187	
00:15			6	9	15	12:15			118	99	217	
00:30			6	0	6	12:30			124	104	228	
00:45			4	27	4	22	12:45		101	433	105	405
01:00			6	1	7	13:00			114	86	200	
01:15			6	4	10	13:15			117	66	183	
01:30			8	0	8	13:30			128	98	226	
01:45			1	21	3	8	13:45		111	470	88	338
02:00			8	2	10	14:00			121	105	226	
02:15			6	3	9	14:15			131	86	217	
02:30			10	8	18	14:30			137	134	271	
02:45			10	34	10	23	14:45		120	509	124	449
03:00			3	6	9	15:00			136	147	283	
03:15			5	5	10	15:15			113	138	251	
03:30			5	4	9	15:30			129	138	267	
03:45			9	22	4	19	15:45		120	498	103	526
04:00			5	10	15	16:00			142	127	269	
04:15			7	11	18	16:15			137	130	267	
04:30			7	8	15	16:30			125	122	247	
04:45			13	32	16	45	16:45		124	528	106	485
05:00			15	22	37	17:00			124	140	264	
05:15			37	37	74	17:15			138	109	247	
05:30			57	40	97	17:30			92	86	178	
05:45			94	203	54	153	17:45		109	463	70	405
06:00			70	85	155	18:00			91	70	161	
06:15			83	71	154	18:15			93	63	156	
06:30			94	109	203	18:30			102	69	171	
06:45			108	355	102	367	18:45		64	350	72	274
07:00			77	85	162	19:00			70	62	132	
07:15			76	121	197	19:15			71	45	116	
07:30			78	103	181	19:30			75	49	124	
07:45			110	341	113	422	19:45		51	267	40	196
08:00			99	105	204	20:00			59	39	98	
08:15			80	108	188	20:15			43	38	81	
08:30			93	96	189	20:30			31	49	80	
08:45			100	372	130	439	20:45		27	160	36	162
09:00			90	140	230	21:00			22	40	62	
09:15			92	82	174	21:15			21	35	56	
09:30			62	89	151	21:30			14	29	43	
09:45			82	326	76	387	21:45		15	72	20	124
10:00			70	82	152	22:00			11	19	30	
10:15			81	74	155	22:15			18	25	43	
10:30			92	86	178	22:30			10	17	27	
10:45			79	322	78	320	22:45		11	50	12	73
11:00			86	78	164	23:00			7	13	20	
11:15			118	98	216	23:15			3	13	16	
11:30			92	103	195	23:30			6	12	18	
11:45			101	397	94	373	23:45		8	24	10	48
TOTALS			2452	2578	5030	TOTALS			3824	3485	7309	
SPLIT %			48.7%	51.3%	40.8%	SPLIT %			52.3%	47.7%	59.2%	

DAILY TOTALS					NB	SB						Total
					0	0						12,339
							6,276					6,063
AM Peak Hour			11:45	08:15	08:15	PM Peak Hour			15:30	14:45	14:30	
AM Pk Volume			433	474	837	PM Pk Volume			528	547	1049	
Pk Hr Factor			0.873	0.846	0.910	Pk Hr Factor			0.930	0.930	0.927	
7 - 9 Volume	0	0	713	861	1574	4 - 6 Volume	0	0	991	890	1881	
7 - 9 Peak Hour			07:45	07:15	08:00	4 - 6 Peak Hour			16:00	16:15	16:00	
7 - 9 Pk Volume	0	0	382	442	811	4 - 6 Pk Volume	0	0	528	498	1013	
Pk Hr Factor	0.000	0.000	0.868	0.913	0.882	Pk Hr Factor	0.000	0.000	0.930	0.889	0.941	

VOLUME

Olde Hwy 80 780' W/O Hawley Rd

Day: Tuesday
Date: 5/18/2021

City: El Cajon
Project #: CA21_040084_019

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	2,892	2,736	5,628		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			3	2	5	12:00			41	38	79
00:15			3	4	7	12:15			47	38	85
00:30			3	1	4	12:30			55	40	95
00:45			2	11	13	12:45			55	198	253
01:00			5	1	6	13:00			47	43	90
01:15			3	2	5	13:15			50	43	93
01:30			2	2	4	13:30			56	32	88
01:45			1	11	12	13:45			48	201	249
02:00			2	1	3	14:00			48	52	100
02:15			6	2	8	14:15			55	39	94
02:30			6	4	10	14:30			85	43	128
02:45			8	22	30	14:45			91	279	370
03:00			0	3	3	15:00			72	110	182
03:15			2	5	7	15:15			78	74	152
03:30			1	1	2	15:30			57	52	109
03:45			1	4	5	15:45			63	270	333
04:00			1	5	6	16:00			66	44	110
04:15			5	3	8	16:15			67	50	117
04:30			1	6	7	16:30			69	34	103
04:45			3	10	13	16:45			68	270	338
05:00			1	10	11	17:00			66	36	102
05:15			5	16	21	17:15			71	45	116
05:30			11	12	23	17:30			61	31	92
05:45			12	29	41	17:45			38	236	274
06:00			8	31	39	18:00			59	30	89
06:15			31	21	52	18:15			45	25	70
06:30			25	34	59	18:30			39	22	61
06:45			15	79	94	18:45			45	188	233
07:00			25	46	71	19:00			40	19	59
07:15			21	40	61	19:15			29	21	50
07:30			31	32	63	19:30			30	17	47
07:45			37	114	151	19:45			31	130	161
08:00			36	47	83	20:00			34	9	43
08:15			32	37	69	20:15			23	19	42
08:30			49	77	126	20:30			22	49	71
08:45			68	185	253	20:45			16	95	111
09:00			50	53	103	21:00			18	37	55
09:15			28	35	63	21:15			11	42	53
09:30			48	32	80	21:30			9	36	45
09:45			36	162	198	21:45			7	45	52
10:00			35	28	63	22:00			4	21	25
10:15			37	31	68	22:15			6	29	35
10:30			36	34	70	22:30			8	15	23
10:45			32	140	172	22:45			6	24	30
11:00			39	37	76	23:00			6	16	22
11:15			52	49	101	23:15			1	15	16
11:30			48	36	84	23:30			1	14	15
11:45			39	178	217	23:45			3	11	14
TOTALS			945	1085	2030	TOTALS			1947	1651	3598
SPLIT %			46.6%	53.4%	36.1%	SPLIT %			54.1%	45.9%	63.9%

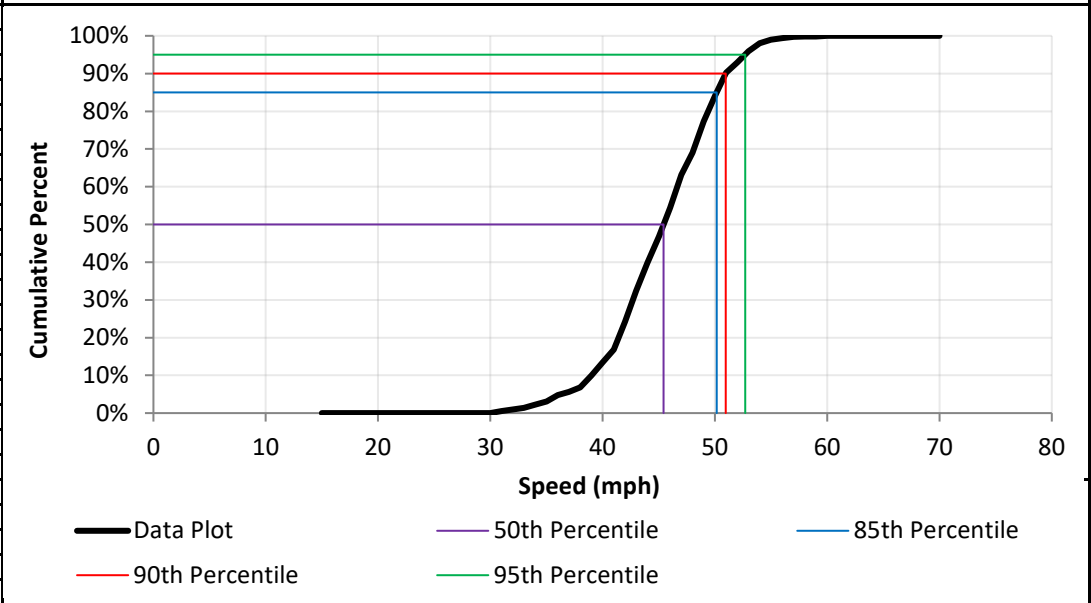
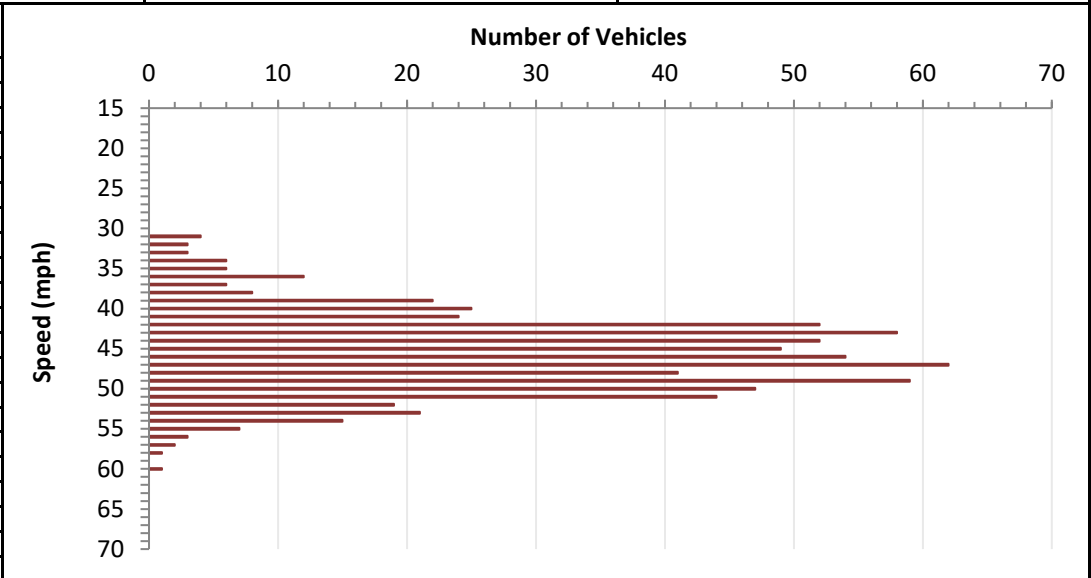
DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	2,892	2,736	5,628		
AM Peak Hour			08:15	08:15	08:15	PM Peak Hour			14:30	15:00	14:30
AM Pk Volume			199	237	436	PM Pk Volume			326	276	588
Pk Hr Factor			0.732	0.769	0.790	Pk Hr Factor			0.896	0.627	0.808
7 - 9 Volume	0	0	299	414	713	4 - 6 Volume	0	0	506	303	809
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:30	16:00	16:00
7 - 9 Pk Volume	0	0	185	231	416	4 - 6 Pk Volume	0	0	274	163	433
Pk Hr Factor	0.000	0.000	0.680	0.750	0.754	Pk Hr Factor	0.000	0.000	0.965	0.815	0.925



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Olde Highway 80	From:	Lake Jennings Park Rd	To:	Dunbar Ln
Position:	370' E/o Pecan Park Ln	Direction:	NB/SB		
Date:	5/19/2021	Weather:	Clear	Project Number:	21-040085-026
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 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		
31	4	0.6%
32	3	1.0%
33	3	1.4%
34	6	2.3%
35	6	3.1%
36	12	4.8%
37	6	5.7%
38	8	6.8%
39	22	9.9%
40	25	13.5%
41	24	16.9%
42	52	24.2%
43	58	32.4%
44	52	39.8%
45	49	46.7%
46	54	54.4%
47	62	63.2%
48	41	69.0%
49	59	77.3%
50	47	84.0%
51	44	90.2%
52	19	92.9%
53	21	95.9%
54	15	98.0%
55	7	99.0%
56	3	99.4%
57	2	99.7%
58	1	99.9%
59		
60	1	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	706	



DATA ANALYSIS

Average Speed	45.7	Range	31 - 60
50th Percentile	45.4	10 mph Pace	42 - 51
85th Percentile	50.2	Number in Pace	518
90th Percentile	51.0	Percent in Pace	73%
95th Percentile	52.7		

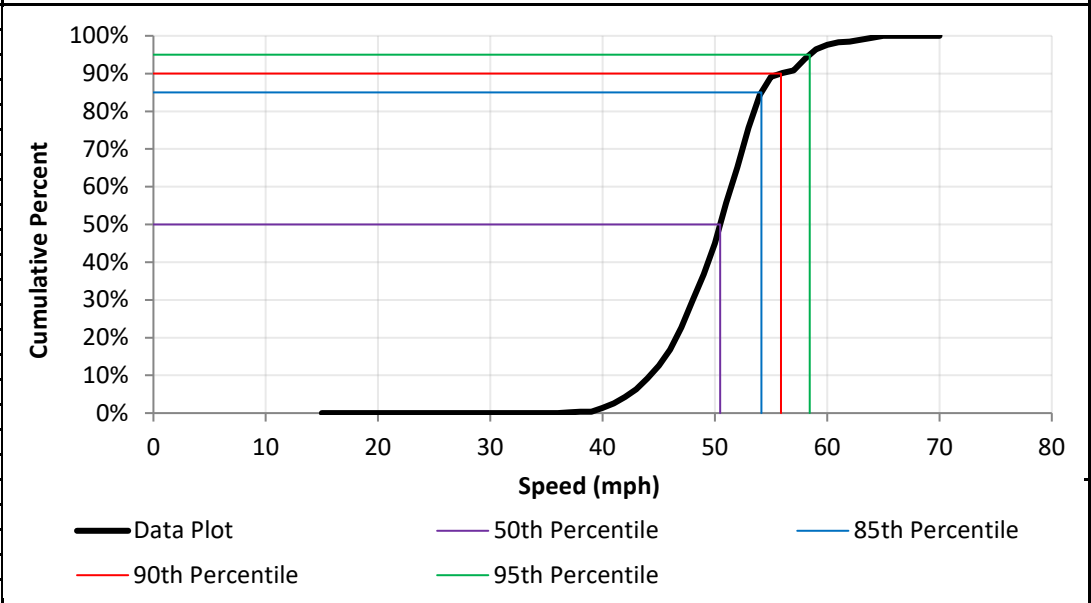
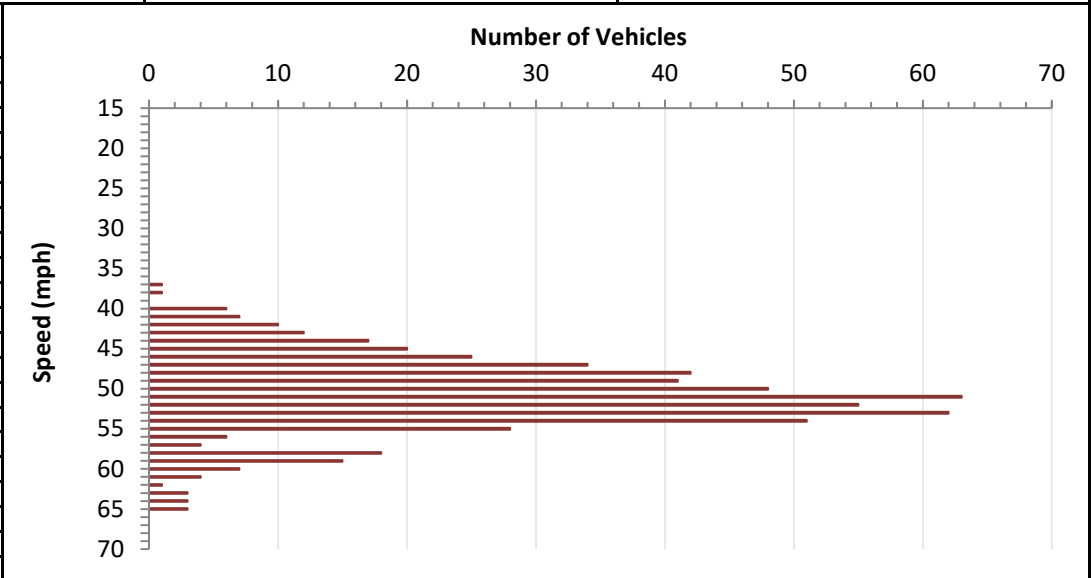


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Olde Highway 80	From:	Lake Jennings Park Rd	To:	Dunbar Ln
Position:	980' W/o Flinn Springs Rd	Direction:	NB/SB		
Date:	5/19/2021	Weather:	Clear	Project Number:	21-040085-029
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	50 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37	1	0.2%
38	1	0.3%
39		
40	6	1.4%
41	7	2.6%
42	10	4.3%
43	12	6.3%
44	17	9.2%
45	20	12.6%
46	25	16.9%
47	34	22.7%
48	42	29.8%
49	41	36.8%
50	48	45.0%
51	63	55.7%
52	55	65.1%
53	62	75.6%
54	51	84.3%
55	28	89.1%
56	6	90.1%
57	4	90.8%
58	18	93.9%
59	15	96.4%
60	7	97.6%
61	4	98.3%
62	1	98.5%
63	3	99.0%
64	3	99.5%
65	3	100.0%
66		
67		
68		
69		
70		
Total	587	



DATA ANALYSIS

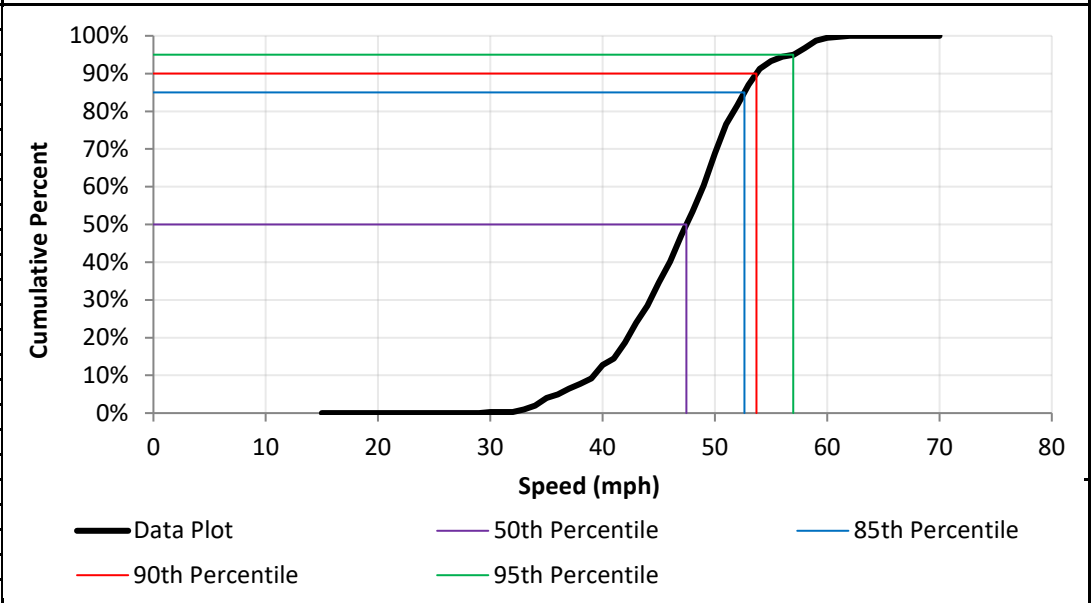
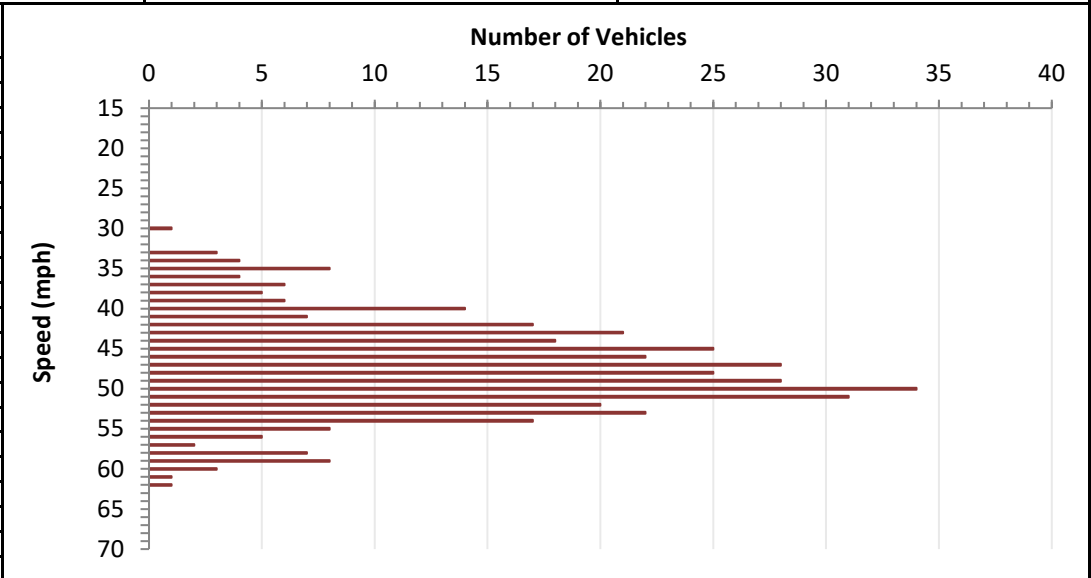
Average Speed	50.8	Range	37 - 65
50th Percentile	50.5	10 mph Pace	46 - 55
85th Percentile	54.1	Number in Pace	449
90th Percentile	55.9	Percent in Pace	76%
95th Percentile	58.4		



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Olde Highway 80	From:	Lake Jennings Park Rd	To:	Dunbar Ln
Position:	780' W/o Hawley Rd	Direction:	EB/WB		
Date:	5/18/2021	Weather:	Clear	Project Number:	21-040085-028
Time Start:	11:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	50 MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	1	0.2%
31		
32		
33	3	1.0%
34	4	2.0%
35	8	4.0%
36	4	5.0%
37	6	6.5%
38	5	7.7%
39	6	9.2%
40	14	12.7%
41	7	14.5%
42	17	18.7%
43	21	23.9%
44	18	28.4%
45	25	34.7%
46	22	40.1%
47	28	47.1%
48	25	53.4%
49	28	60.3%
50	34	68.8%
51	31	76.6%
52	20	81.5%
53	22	87.0%
54	17	91.3%
55	8	93.3%
56	5	94.5%
57	2	95.0%
58	7	96.8%
59	8	98.8%
60	3	99.5%
61	1	99.8%
62	1	100.0%
63		
64		
65		
66		
67		
68		
69		
70		
Total	401	



DATA ANALYSIS

Average Speed	47.5	Range	30 - 62
50th Percentile	47.5	10 mph Pace	44 - 53
85th Percentile	52.6	Number in Pace	253
90th Percentile	53.7	Percent in Pace	63%
95th Percentile	57.0		

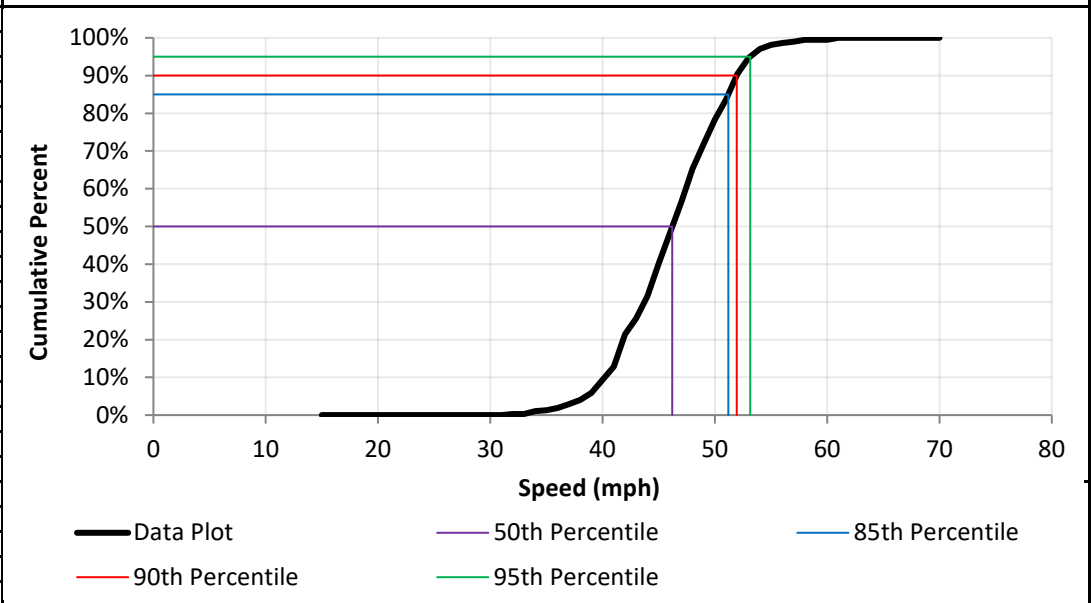
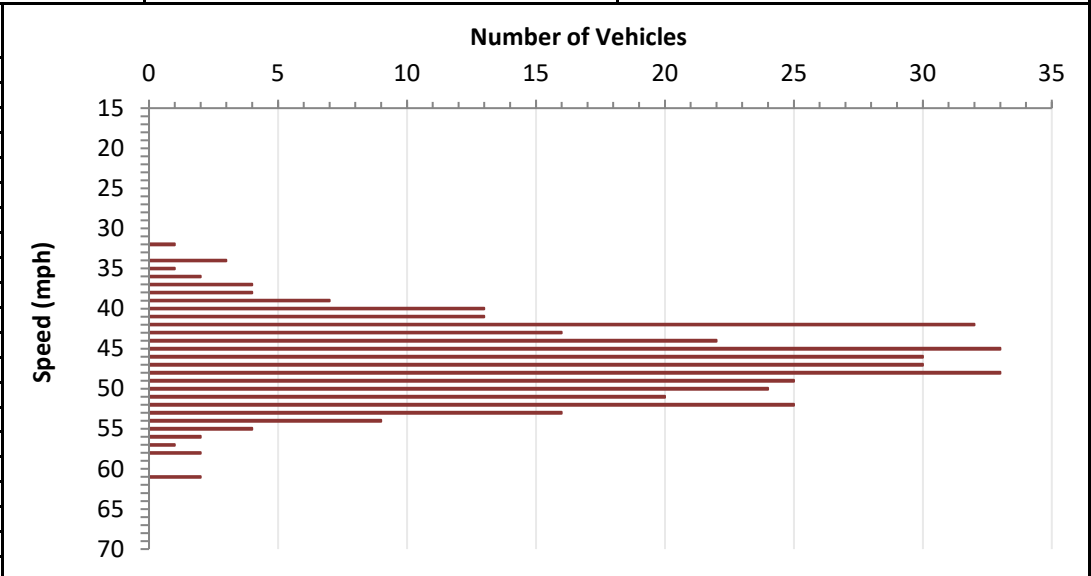


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Olde Highway 80	From:	Lake Jennings Park Rd	To:	Dunbar Ln
Position:	480' E/o Silva Rd	Direction:	EB/WB		
Date:	5/18/2021	Weather:	Clear	Project Number:	21-040085-027
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 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		
31		
32	1	0.3%
33		
34	3	1.1%
35	1	1.3%
36	2	1.9%
37	4	2.9%
38	4	4.0%
39	7	5.9%
40	13	9.4%
41	13	12.8%
42	32	21.4%
43	16	25.7%
44	22	31.6%
45	33	40.4%
46	30	48.4%
47	30	56.4%
48	33	65.2%
49	25	71.9%
50	24	78.3%
51	20	83.7%
52	25	90.4%
53	16	94.7%
54	9	97.1%
55	4	98.1%
56	2	98.7%
57	1	98.9%
58	2	99.5%
59		
60		
61	2	100.0%
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	374	



DATA ANALYSIS

	Average Speed	46.6	Range	32 - 61
	50th Percentile	46.2	10 mph Pace	42 - 51
	85th Percentile	51.2	Number in Pace	265
	90th Percentile	51.9	Percent in Pace	71%
	95th Percentile	53.1		

2-C. Radar Certification Austin Drive Montemar Drive to Sweetwater Springs Boulevard (1.09 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Austin Drive from Montemar Drive to Sweetwater Springs Boulevard (a distance of 1.09 miles) SPRING VALLEY (Thos. Bros. 1271-C7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

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

Existing Traffic Devices

Austin Drive is a striped two-lane divided through highway with a 36 foot travelled way on a 36 to 70 foot road bed. The roadway is striped with a no passing centerline, two way left turn lane, and bike lanes. There is a marked school zone on the segment and an uncontrolled school crosswalk with flashing beacons on a mast arm at the intersection of Avenida Bosque. All-way stop controls are located at the intersection with South Barcelona Street. Austin Drive from Barcelona Street to Sweetwater Springs Boulevard 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>05/21</u>	<u>11/13</u>
Austin Drive:		
At Highlands Boulevard	2,388	2,350

<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Austin Drive:			
300' W/o Avenida Bosques (2021)	47.4 MPH	37-46	65.0%
(2014)	44.2 MPH	35-44	71.0%
600' W/o S Barcelona St (2021)	39.5 MPH	32-41	80.0%
(2014)	38.6 MPH	31-40	79.0%
Speed Zone (2021)	43.5 MPH	35-44	72.5%
(2013)	41.4 MPH	33-42	75.0%

Collision Data

There have been 14 reported collisions along this segment of roadway, 6 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 4.93 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME

Austin Dr & Highlands Blvd

Day: Thursday
Date: 5/20/2021

City: Spring Valley
Project #: CA21_040084_003

DAILY TOTALS					NB	SB						Total
					0	0						2,388
							1,102					1,286
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL
00:00			1	1	2		12:00			16	23	39
00:15			0	2	2		12:15			20	17	37
00:30			2	0	2		12:30			16	21	37
00:45			1	4	2	5	12:45			11	63	23
01:00			0	0	0		13:00			10	20	30
01:15			0	1	1		13:15			26	20	46
01:30			3	1	4		13:30			20	24	44
01:45			2	5	1	3	13:45			23	79	22
02:00			0	1	1		14:00			39	24	63
02:15			0	0	0		14:15			32	54	86
02:30			1	0	1		14:30			21	30	51
02:45			0	1	0	1	14:45			22	114	29
03:00			0	0	0		15:00			20	24	44
03:15			0	1	1		15:15			28	30	58
03:30			0	1	1		15:30			16	25	41
03:45			0	0	0	2	15:45			18	82	26
04:00			2	0	2		16:00			28	31	59
04:15			0	1	1		16:15			23	28	51
04:30			2	2	4		16:30			26	24	50
04:45			0	4	0	3	16:45			19	96	29
05:00			2	0	2		17:00			17	21	38
05:15			4	2	6		17:15			12	40	52
05:30			3	1	4		17:30			20	28	48
05:45			6	15	3	6	17:45			18	67	23
06:00			3	1	4		18:00			10	16	26
06:15			3	3	6		18:15			13	15	28
06:30			4	6	10		18:30			12	17	29
06:45			12	22	3	13	18:45			11	46	20
07:00			16	7	23		19:00			11	19	30
07:15			19	11	30		19:15			5	19	24
07:30			68	40	108		19:30			7	6	13
07:45			68	171	49	107	19:45			7	30	16
08:00			21	34	55		20:00			15	11	26
08:15			20	16	36		20:15			10	9	19
08:30			23	20	43		20:30			4	10	14
08:45			22	86	20	90	20:45			7	36	10
09:00			11	14	25		21:00			5	10	15
09:15			5	12	17		21:15			6	5	11
09:30			16	13	29		21:30			3	7	10
09:45			15	47	10	49	21:45			0	14	4
10:00			10	13	23		22:00			2	5	7
10:15			11	22	33		22:15			3	3	6
10:30			16	23	39		22:30			2	3	5
10:45			15	52	15	73	22:45			1	8	3
11:00			15	21	36		23:00			1	1	2
11:15			13	14	27		23:15			0	0	0
11:30			16	34	50		23:30			1	2	3
11:45			14	58	27	96	23:45			0	2	2
TOTALS			465	448	913		TOTALS			637	838	1475
SPLIT %			50.9%	49.1%	38.2%		SPLIT %			43.2%	56.8%	61.8%

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

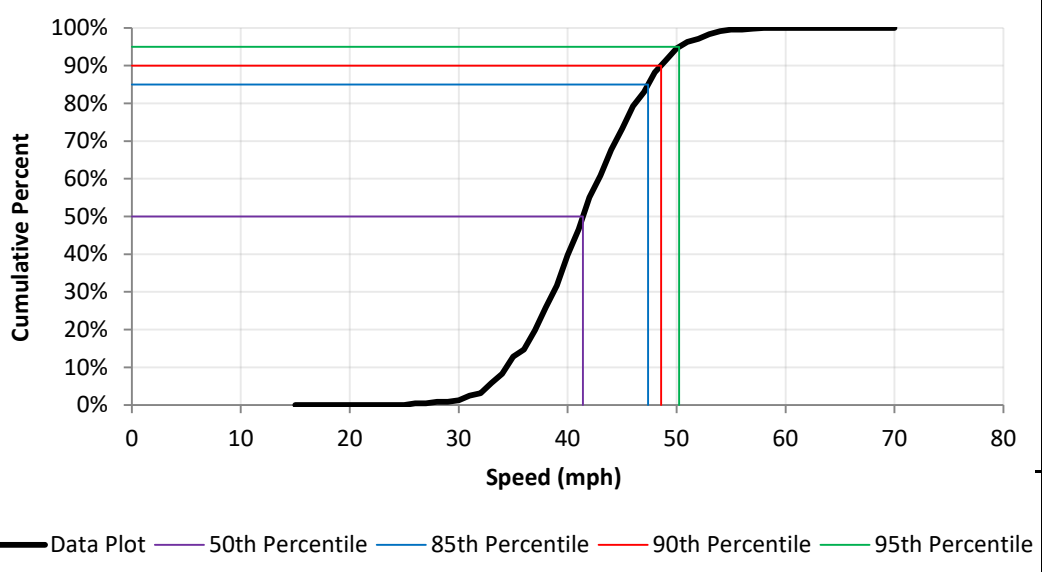
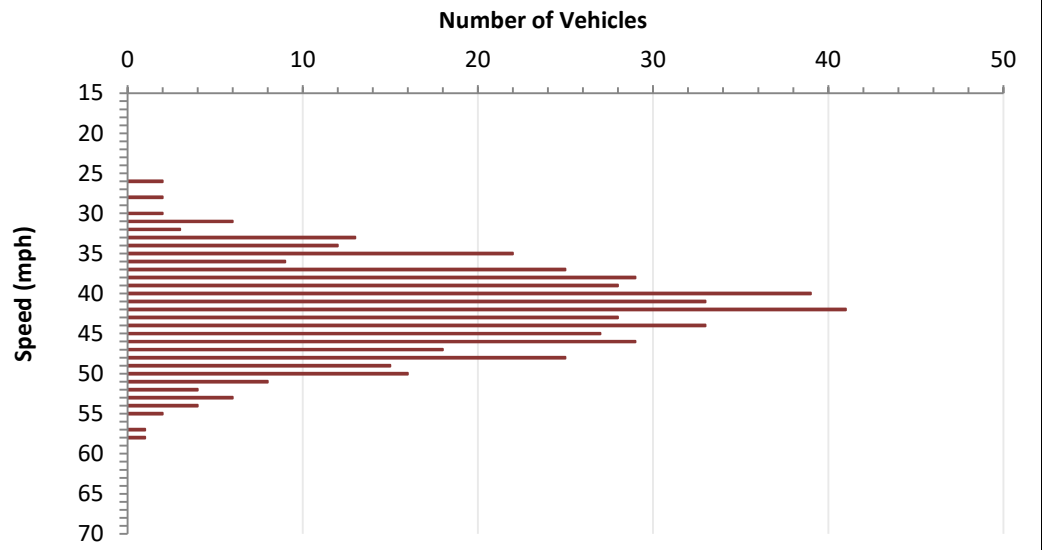


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Austin Drive	From: Montemar Dr	To: Sweetwater Springs Bl
Position: 300' W/o Avenida Boques	Direction: NB/SB	
Date: 5/20/2021	Weather: Clear	Project Number: 21-040085-003
Time Start: 11:15 AM	Road Condition: Dry	Observer: Contractor
Time End: 1:15 PM	Posted Speed: 40 MPH	Calibration Test: Y

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



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

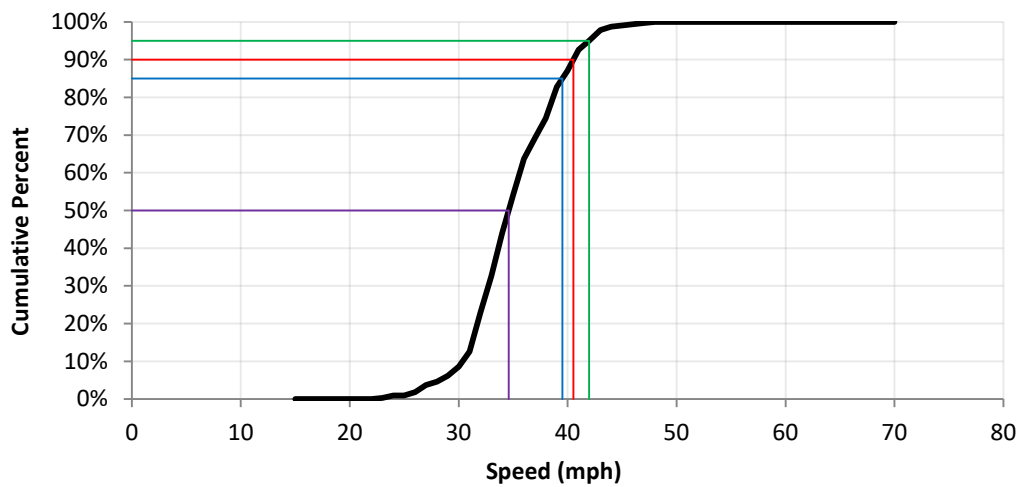
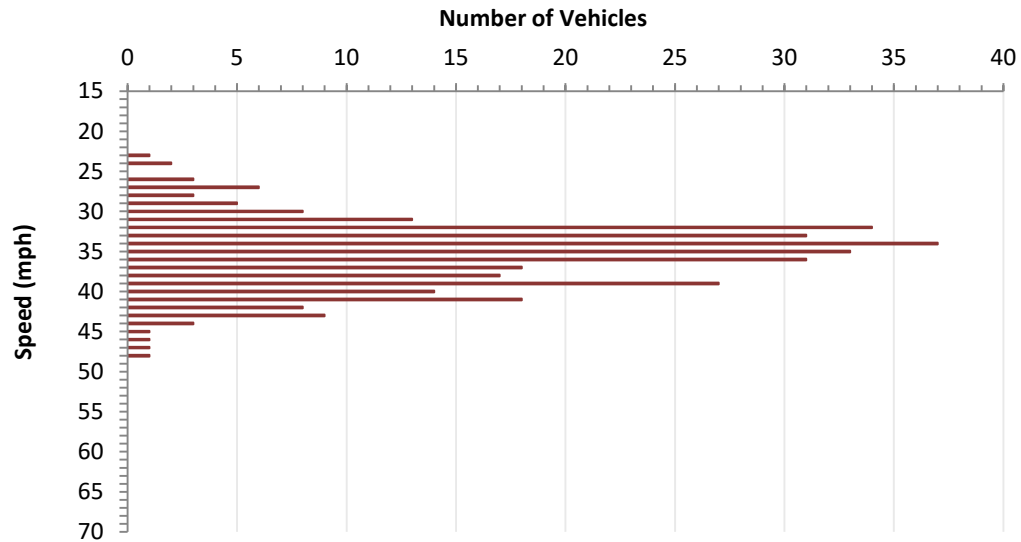


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

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

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



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

DATA ANALYSIS

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

2-D. Radar Certification

Austin Drive

Sweetwater Springs Boulevard to Calavo Drive (0.55 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-D**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Austin Drive from Sweetwater Springs Boulevard to Calavo Drive/Del Rio Road (a distance of 0.55 miles) SPRING VALLEY (Thos. Bros. 1271-E7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Austin Drive from Sweetwater Springs Boulevard to Calavo Drive/Del Rio 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

Austin Drive is a striped two-lane divided through highway with a 36 foot travelled way on a 64 foot road bed. The roadway is striped with a no passing centerline, two way left turn lane, and buffered bike lanes. Austin Drive is classified as a Minor Collector on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>05/21</u>	<u>06/16</u>	<u>06/10</u>
Austin Drive:			
900' E/o Sweetwater Springs Bl	3,343	6,170*	5,480
			*Estimate

<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Austin Drive:			
650' E/o Via Orange Way (2021)	48.1 MPH	38-47	69.0%
(2016)	49.1 MPH	39-48	69.0%

Collision Data

There have been 7 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 3.49 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME

Austin Dr 900' E/O Sweetwater Springs Blvd

Day: Thursday
Date: 5/20/2021

City: Spring Valley
Project #: CA21_040084_010

DAILY TOTALS					NB	SB	EB	WB	Total					
					0	0	1,581	1,762	3,343					
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			2	4	6	12:00			35	31	66			
00:15			7	3	10	12:15			41	33	74			
00:30			1	2	3	12:30			25	22	47			
00:45			1	11	1	12:45			26	127	23	109	49	236
01:00			5	2	7	13:00			27	33	60			
01:15			3	1	4	13:15			33	26	59			
01:30			2	0	2	13:30			21	37	58			
01:45			1	11	2	13:45			16	97	33	129	49	226
02:00			0	0	0	14:00			38	51	89			
02:15			0	0	0	14:15			51	35	86			
02:30			2	0	2	14:30			34	36	70			
02:45			1	3	0	14:45			29	152	30	152	59	304
03:00			0	1	1	15:00			46	26	72			
03:15			0	4	4	15:15			47	33	80			
03:30			0	2	2	15:30			28	22	50			
03:45			2	2	3	15:45			24	145	28	109	52	254
04:00			0	2	2	16:00			37	24	61			
04:15			1	7	8	16:15			39	37	76			
04:30			0	6	6	16:30			48	39	87			
04:45			1	2	7	16:45			44	168	42	142	86	310
05:00			1	9	10	17:00			41	24	65			
05:15			1	10	11	17:15			28	30	58			
05:30			2	9	11	17:30			29	26	55			
05:45			4	8	6	17:45			31	129	30	110	61	239
06:00			5	18	23	18:00			23	19	42			
06:15			0	17	17	18:15			30	22	52			
06:30			8	14	22	18:30			25	19	44			
06:45			13	26	38	18:45			24	102	27	87	51	189
07:00			10	28	38	19:00			21	18	39			
07:15			18	32	50	19:15			16	27	43			
07:30			20	46	66	19:30			22	11	33			
07:45			21	69	46	19:45			22	81	17	73	39	154
08:00			25	32	57	20:00			10	19	29			
08:15			23	26	49	20:15			14	12	26			
08:30			16	28	44	20:30			11	13	24			
08:45			20	84	34	20:45			13	48	11	55	24	103
09:00			19	33	52	21:00			6	10	16			
09:15			11	24	35	21:15			11	4	15			
09:30			16	18	34	21:30			12	7	19			
09:45			16	62	24	21:45			2	31	13	34	15	65
10:00			14	21	35	22:00			9	3	12			
10:15			25	22	47	22:15			6	2	8			
10:30			18	23	41	22:30			5	7	12			
10:45			23	80	25	22:45			6	26	5	17	11	43
11:00			22	26	48	23:00			3	3	6			
11:15			16	28	44	23:15			7	4	11			
11:30			33	23	56	23:30			4	3	7			
11:45			29	100	25	23:45			3	17	3	13	6	30
TOTALS			458	732	1190	TOTALS			1123	1030	2153			
SPLIT %			38.5%	61.5%	35.6%	SPLIT %			52.2%	47.8%	64.4%			

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,581	1,762	3,343

AM Peak Hour			11:30	07:15	11:30	PM Peak Hour			16:15	13:30	16:15
AM Pk Volume			138	156	250	PM Pk Volume			172	156	314
Pk Hr Factor			0.841	0.848	0.845	Pk Hr Factor			0.896	0.765	0.902
7 - 9 Volume	0	0	153	272	425	4 - 6 Volume	0	0	297	252	549
7 - 9 Peak Hour			07:30	07:15	07:15	4 - 6 Peak Hour			16:15	16:00	16:15
7 - 9 Pk Volume	0	0	89	156	240	4 - 6 Pk Volume	0	0	172	142	314
Pk Hr Factor	0.000	0.000	0.890	0.848	0.896	Pk Hr Factor	0.000	0.000	0.896	0.845	0.902

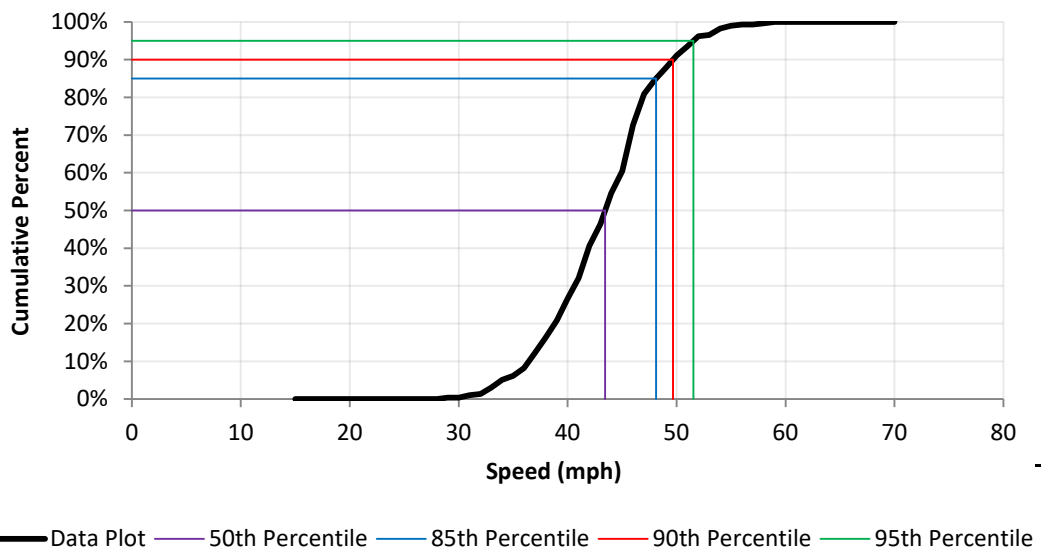
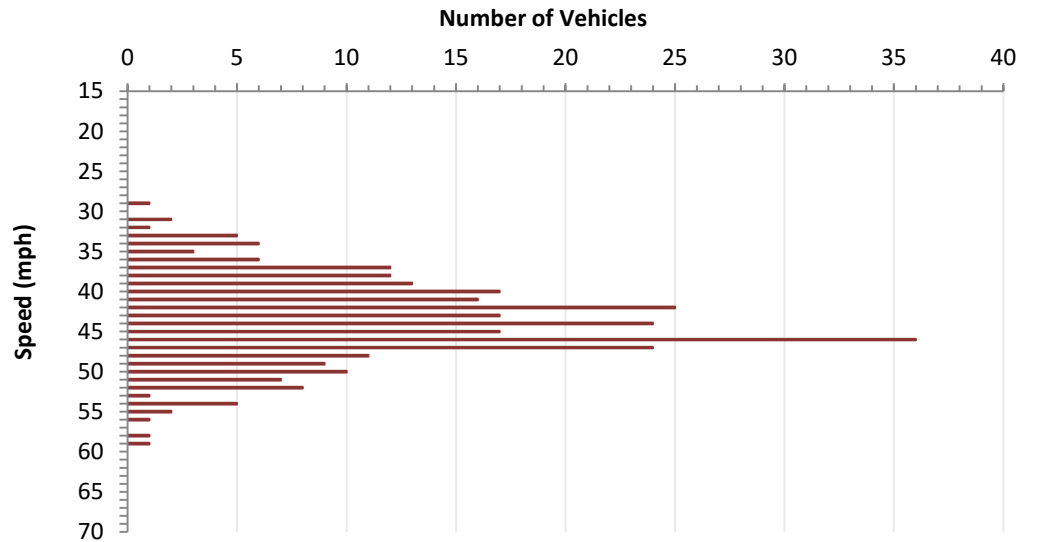


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Austin Drive	From: Sweetwater Springs Bl	To: Calavo Drive/ Del Rio Road
Position: 650' E/o Via Orange Wy	Direction: EB/WB	
Date: 5/20/2021	Weather: Clear	Project Number: 21-040085-005
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	0.3%
30		
31	2	1.0%
32	1	1.4%
33	5	3.1%
34	6	5.1%
35	3	6.1%
36	6	8.2%
37	12	12.3%
38	12	16.4%
39	13	20.8%
40	17	26.6%
41	16	32.1%
42	25	40.6%
43	17	46.4%
44	24	54.6%
45	17	60.4%
46	36	72.7%
47	24	80.9%
48	11	84.6%
49	9	87.7%
50	10	91.1%
51	7	93.5%
52	8	96.2%
53	1	96.6%
54	5	98.3%
55	2	99.0%
56	1	99.3%
57		
58	1	99.7%
59	1	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	293	



DATA ANALYSIS

Average Speed	43.7	Range	29 - 59
50th Percentile	43.4	10 mph Pace	38 - 47
85th Percentile	48.1	Number in Pace	201
90th Percentile	49.7	Percent in Pace	69%
95th Percentile	51.5		

2-E. Intersection Control

Kempton Street & Saint George Street



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-E**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Kempton Street & Saint George Street, SPRING VALLEY (Thos. Bros. 1291-B3)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

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

Existing Traffic Devices

Kempton Street is a striped two-lane roadway with a 36-foot travelled way and roadbed. The roadway is striped with a no passing centerline. Kempton Street is unclassified as a Light Collector on the County General Plan Mobility Element Network. There is an existing uncontrolled school crosswalk at the intersection of Saint George Street. The roadway is posted 25 MPH.

Saint George Street is a two-lane local roadway. The road runs east/west and has a 36-foot travelled way and roadbed. The roadway is unclassified on the County General Plan Mobility Element Network. Saint George Street is stop controlled at the intersection of Kempton Street in westbound direction.

Collision Data

There have been 3 reported collisions at this intersection, within a past 5-year period (03-01-2016 to 02-28-2021).



County of San Diego

JEFF MONEDA
DIRECTOR

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

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: July 8, 2021

Item Title: All-Way Stop Control

Location: Kempton Street and St. George Street Intersection, Spring Valley

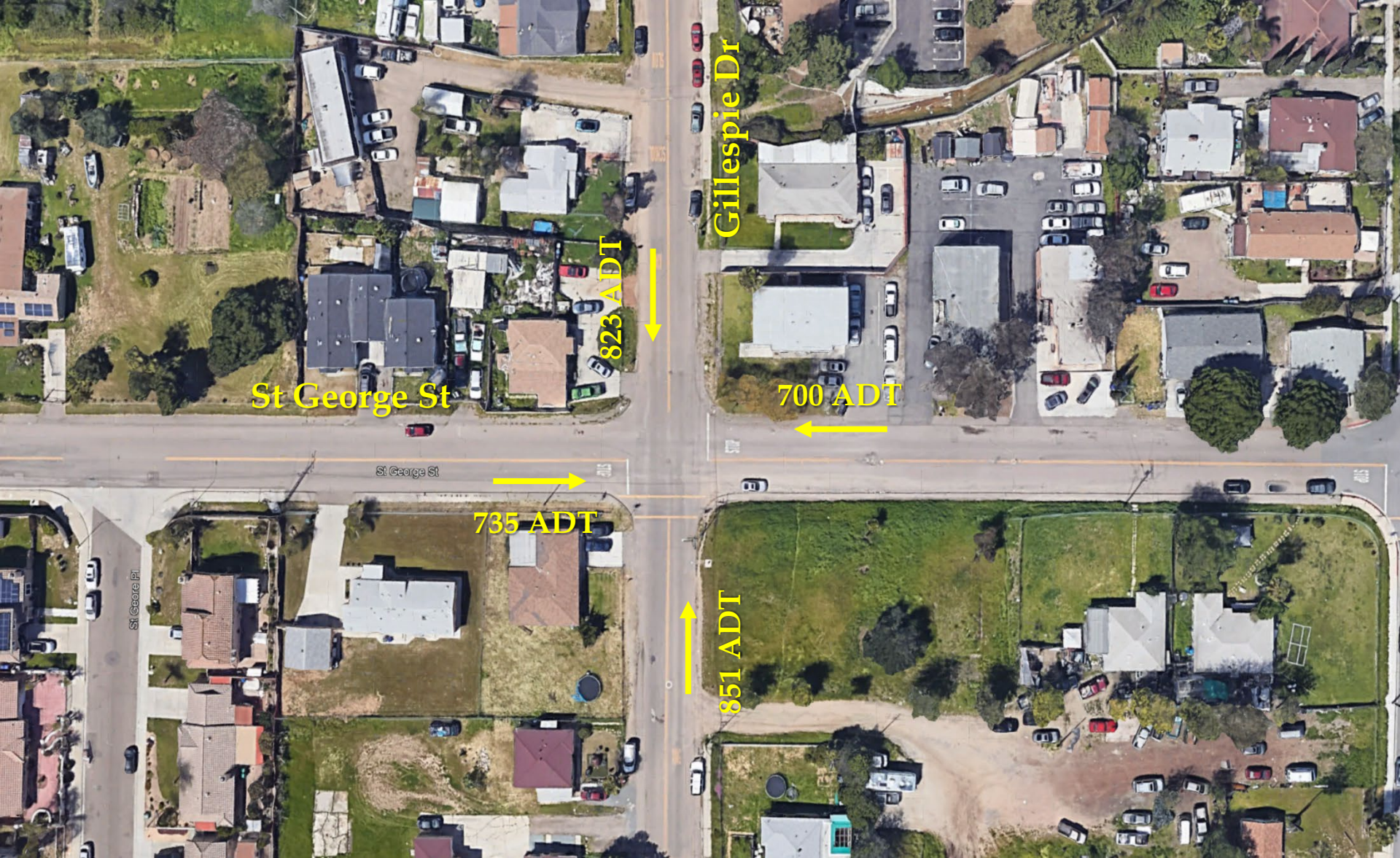
CTE Recommendation: **Install an All-Way Stop Control** *3A0*

Conditions:

- Section 21354 “Stop Signs on Local Highways” of the California Vehicle Code (CVC) authorizes local agencies to designate any intersection under its exclusive jurisdiction as a stop intersection.
- Section 2B.07 “Multi-Way Stop Applications” of the California Manual on Uniform Traffic Control Devices (MUTCD) provides guidelines that should and/or may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Option B of Section 2B.07 - An All-Way Stop Control may be considered to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes, such as schools. The subject intersection of Kempton Street and St. George Street is located within La Presa Middle school zone.
- Option D of section 2B.07 - An all-way stop control may be considered at an intersection of two residential collectors of similar design and the all-way stop would enhance the traffic operations of said intersection. Both Kempton Street and St. George Street are residential collectors.
- Pursuant to CVC section 21354 coupled with traffic conditions noted above in accordance with Section 2B.07 of the California MUTCD, it is my recommendation that an All-Way Stop Control is appropriate and safe for the intersection of Kempton Street and St. George Street.

2-F. Intersection Control

Gillespie Drive & Saint George Street



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 2-F**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Gillispie Drive & Saint George Street, SPRING VALLEY
(Thos. Bros. 1291-A3)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

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

Existing Traffic Devices

Gillispie Drive is a striped two-lane roadway with a 36-foot travelled way and roadbed. The roadway is striped with a no passing centerline. Gillispie Drive is unclassified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 25 MPH.

Saint George Street is a two-lane private roadway striped with no passing centerline. The road runs east/west and has a 36-foot travelled way and roadbed. The roadway is unclassified on the County General Plan Mobility Element Network. Saint George Street is stop controlled at the intersection of Gillispie Drive in the eastbound and westbound directions.

<u>Average Daily Traffic Volumes</u>	<u>05/21</u>
Gillispie Drive:	
N/o Saint George Street	823 SB
S/o Saint George Street	851 NB
Saint George Street:	
E/o Gillispie Drive	700 WB
W/o Gillispie Drive	735 EB

Collision Data

There has been 2 reported collisions at this intersection, within a past 5-year period (03-01-2016 to 02-28-2021).



County of San Diego

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DIRECTOR

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COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: June 30, 2021

Item Title: All-Way Stop Control

Location: St. George Street and Gillespie Drive Intersection, Spring Valley

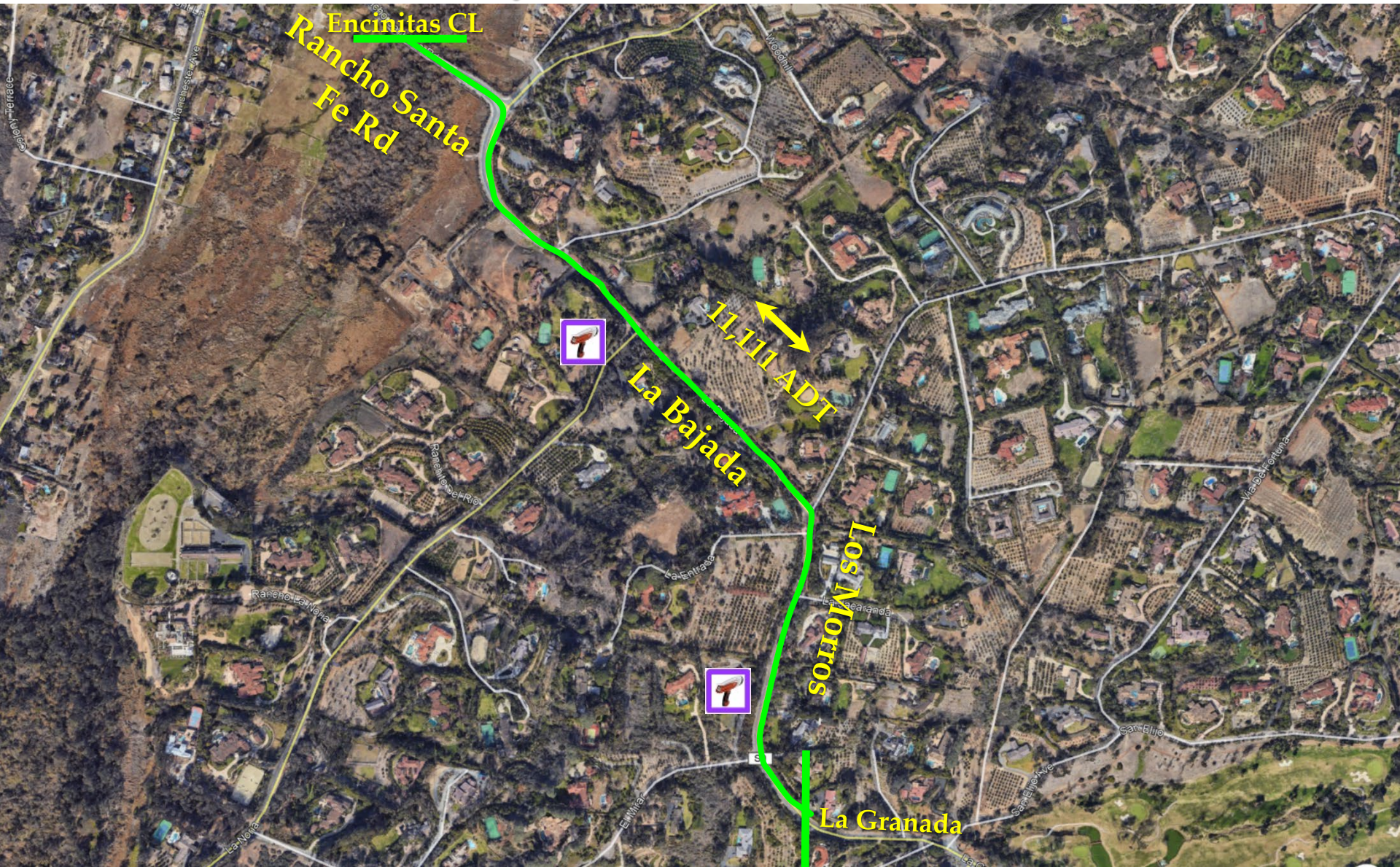
CTE Recommendation: **Install an All-Way Stop Control** *3AO*

Conditions:

- Section 21354 “Stop Signs on Local Highways” of the California Vehicle Code (CVC) authorizes local agencies to designate any intersection under its exclusive jurisdiction as a stop intersection.
- Section 2B.07 “Multi-Way Stop Applications” of the California Manual on Uniform Traffic Control Devices (MUTCD) provides guidelines that should and/or may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Option B of Section 2B.07 - An All-Way Stop Control may be considered to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes, such as schools. The subject intersection of St. George Street and Gillespie Drive is located within La Presa Middle school zone.
- Option D of section 2B.07 - An all-way stop control may be considered at an intersection of two residential collectors of similar design and the all-way stop would enhance the traffic operations of said intersection. Both St. George Street and Gillespie Drive are residential collectors.
- Pursuant to CVC section 21354 coupled with traffic conditions noted above in accordance with Section 2B.07 of the California MUTCD, it is my recommendation that an All-Way Stop Control is appropriate and safe for the intersection of St. George Street and Gillespie Drive.

5-A. Radar Certification

Rancho Santa Fe Road/La Bajada/Los Morros Encinitas City Limit to La Granada (1.02 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Rancho Santa Fe Road/La Bajada/Los Morros from Encinitas city limit to La Granada (a distance of 1.02 miles) RANCHO SANTA FE (Thos. Bros. 1167-J1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Rancho Santa Fe Road/La Bajada/Los Morros from Encinitas city limit to La Granada is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 40 MPH speed limit.

Existing Traffic Devices

Rancho Santa Fe Road, La Bajada, Los Morros is a striped two-lane through highway with a 20 to 24 foot travelled way on a 20 to 64 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There is equestrian signs and two speed advisory curves along the segment. Rancho Santa Fe Road, La Bajada, and Los Morros are classified as a Minor Collector on the County General Plan Mobility Element Network. The roadway is posted 40 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>		<u>06/21</u>	<u>06/13</u>	
La Bajada:				
W/o La Noria		11,111	16,760	
<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
La Bajada:				
500' W/o La Noria	(2021)	45.4 MPH	37-46	79.0%
	(2013)	39.0 MPH	31-40	87.2%
Los Morros:				
500' S/o La Jacaranda	(2021)	44.7 MPH	36-45	84.0%
	(2013)	45.9 MPH	38-47	87.6%
Speed Zone	(2021)	45.1 MPH	37-46	81.5%
	(2013)	42.5 MPH	35-44	87.4%

Collision Data

There have been 15 reported collisions along this segment of roadway, 7 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 1.21 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

VOLUME

La Bajada 200' W/O La Noria

Day: Tuesday
Date: 6/8/2021

City: Rancho Santa Fe
Project #: CA21_040084_014

DAILY TOTALS					NB	SB	EB	WB	Total			
					0	0	5,725	5,386	11,111			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			7	1	8	12:00			120	102	222	
00:15			4	3	7	12:15			112	79	191	
00:30			2	5	7	12:30			111	105	216	
00:45			2	15	0	12:45			88	431	91	377
01:00			1	0	1	13:00			91	90	181	
01:15			2	0	2	13:15			97	107	204	
01:30			1	2	3	13:30			106	114	220	
01:45			0	4	2	13:45			98	392	93	404
02:00			2	1	3	14:00			115	103	218	
02:15			2	0	2	14:15			118	118	236	
02:30			1	0	1	14:30			93	132	225	
02:45			0	5	0	14:45			108	434	146	499
03:00			0	1	1	15:00			103	171	274	
03:15			1	0	1	15:15			105	124	229	
03:30			1	1	2	15:30			111	191	302	
03:45			4	6	0	15:45			123	442	145	631
04:00			4	0	4	16:00			97	162	259	
04:15			1	1	2	16:15			119	186	305	
04:30			5	1	6	16:30			106	174	280	
04:45			2	12	3	16:45			97	419	127	649
05:00			5	2	7	17:00			82	140	222	
05:15			9	5	14	17:15			100	133	233	
05:30			24	7	31	17:30			102	87	189	
05:45			20	58	10	17:45			75	359	96	456
06:00			43	10	53	18:00			66	74	140	
06:15			68	16	84	18:15			62	65	127	
06:30			83	24	107	18:30			65	79	144	
06:45			101	295	24	18:45			55	248	50	268
07:00			119	32	151	19:00			47	42	89	
07:15			142	41	183	19:15			36	38	74	
07:30			139	53	192	19:30			37	37	74	
07:45			135	535	71	19:45			33	153	30	147
08:00			122	60	182	20:00			28	34	62	
08:15			155	65	220	20:15			27	19	46	
08:30			145	78	223	20:30			27	28	55	
08:45			141	563	92	20:45			24	106	26	107
09:00			106	82	188	21:00			16	22	38	
09:15			93	82	175	21:15			19	17	36	
09:30			91	84	175	21:30			9	16	25	
09:45			94	384	91	21:45			10	54	11	66
10:00			82	103	185	22:00			17	6	23	
10:15			88	82	170	22:15			13	9	22	
10:30			94	87	181	22:30			11	7	18	
10:45			112	376	93	22:45			6	47	9	31
11:00			87	97	184	23:00			11	9	20	
11:15			94	108	202	23:15			7	6	13	
11:30			84	109	193	23:30			6	7	13	
11:45			91	356	95	23:45			7	31	5	27
TOTALS				2609	1724	4333	TOTALS			3116	3662	6778
SPLIT %				60.2%	39.8%	39.0%	SPLIT %			46.0%	54.0%	61.0%

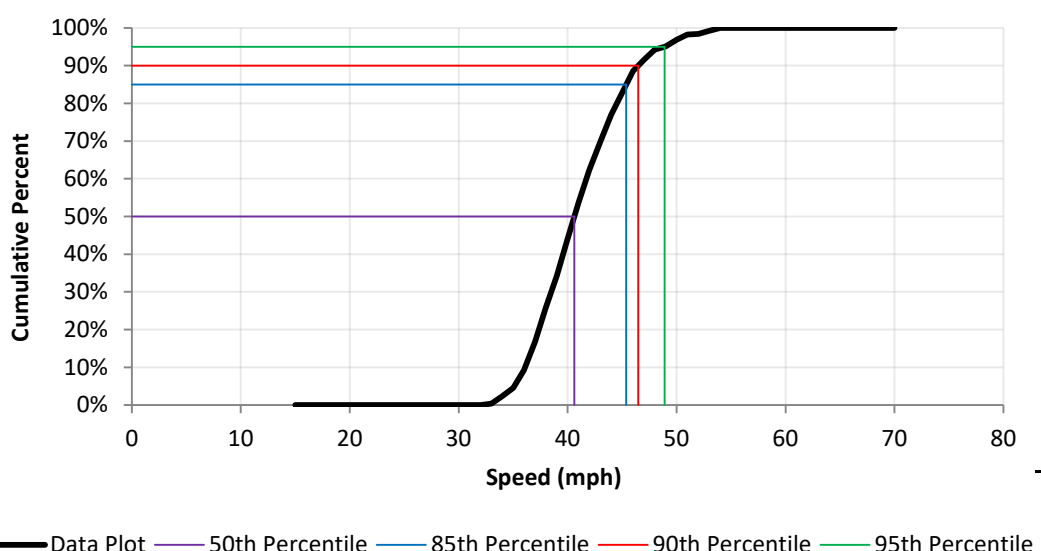
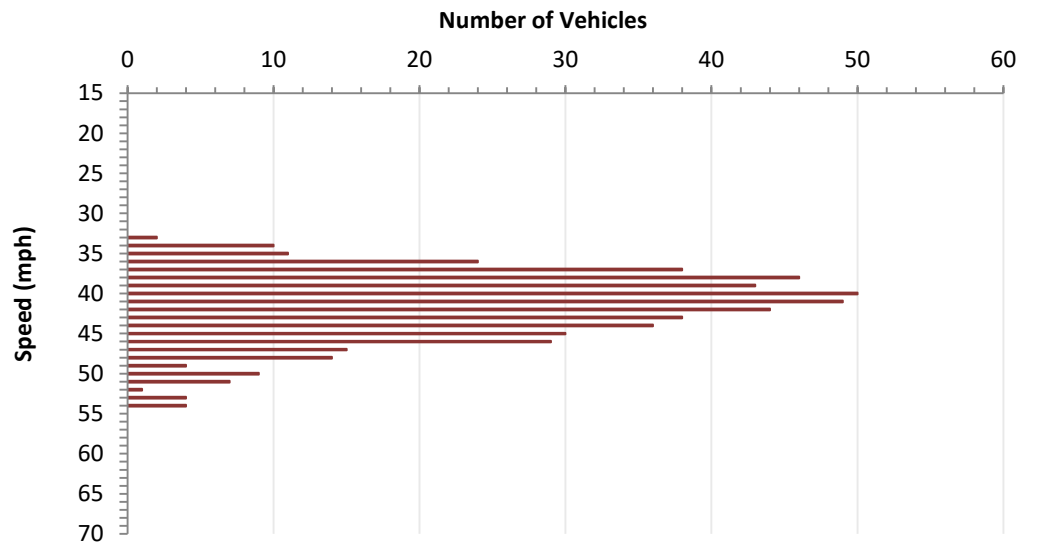
DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	5,725	5,386	11,111		
AM Peak Hour			08:00	11:15	08:15	PM Peak Hour			15:30	15:30	15:30
AM Pk Volume			563	414	864	PM Pk Volume			450	684	1134
Pk Hr Factor			0.908	0.950	0.927	Pk Hr Factor			0.915	0.895	0.930
7 - 9 Volume	0	0	1098	492	1590	4 - 6 Volume	0	0	778	1105	1883
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	563	295	858	4 - 6 Pk Volume	0	0	419	649	1068
Pk Hr Factor	0.000	0.000	0.908	0.802	0.921	Pk Hr Factor	0.000	0.000	0.880	0.872	0.875



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Los Bajada	From: La Granada	To: Encintas CL
Position: 500' W/o La Noria	Direction: EB/WB	
Date: 5/20/2021	Weather: Clear	Project Number: 21-040085-020
Time Start: 9:00 AM	Road Condition: Dry	Observer: Contractor
Time End: 11:00 AM	Posted Speed: 40 MPH	Calibration Test: Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	2	0.4%
34	10	2.4%
35	11	4.5%
36	24	9.3%
37	38	16.7%
38	46	25.8%
39	43	34.3%
40	50	44.1%
41	49	53.7%
42	44	62.4%
43	38	69.9%
44	36	77.0%
45	30	82.9%
46	29	88.6%
47	15	91.5%
48	14	94.3%
49	4	95.1%
50	9	96.9%
51	7	98.2%
52	1	98.4%
53	4	99.2%
54	4	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	508	



DATA ANALYSIS

Average Speed	41.5	Range	33 - 54
50th Percentile	40.6	10 mph Pace	37 - 46
85th Percentile	45.4	Number in Pace	403
90th Percentile	46.5	Percent in Pace	79%
95th Percentile	48.9		

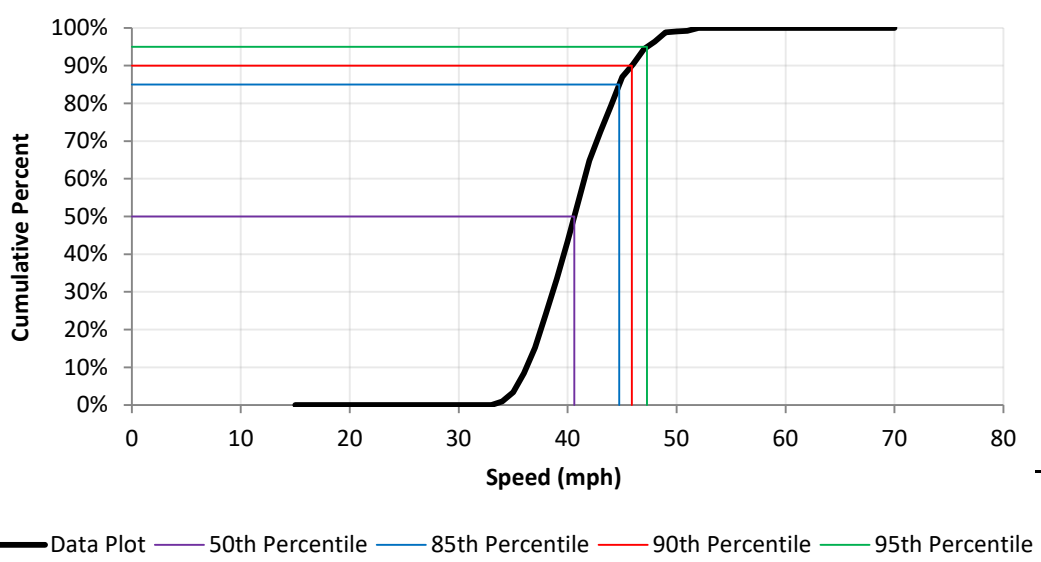
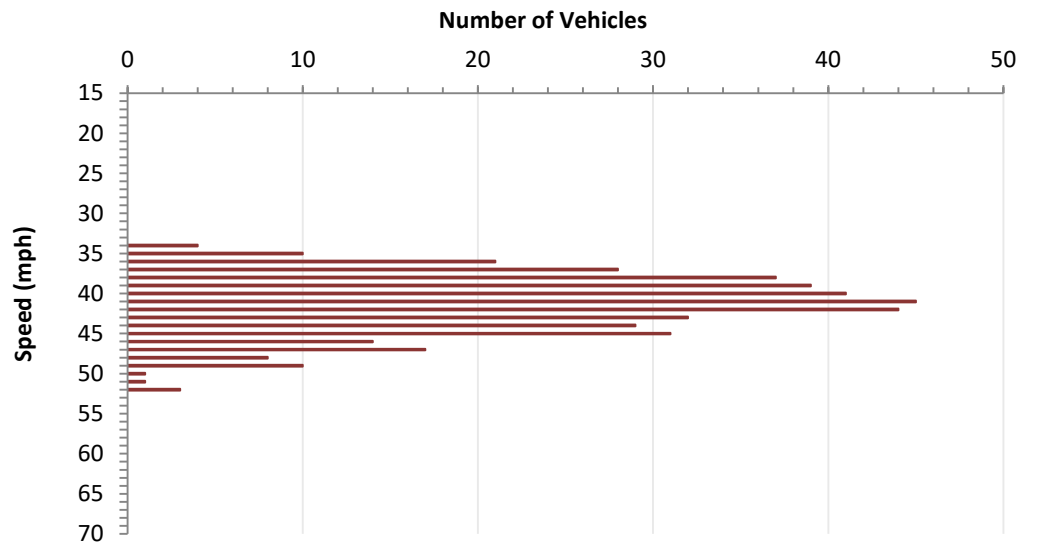


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Los Morros	From: La Granada	To: Encintas CL
Position: 500' S/o La Jacaranda	Direction: NB/SB	
Date: 5/20/2021	Weather: Clear	Project Number: 21-040085-025
Time Start: 1:30 PM	Road Condition: Dry	Observer: Contractor
Time End: 3:30 PM	Posted Speed: 40 MPH	Calibration Test: Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34	4	1.0%
35	10	3.4%
36	21	8.4%
37	28	15.2%
38	37	24.1%
39	39	33.5%
40	41	43.4%
41	45	54.2%
42	44	64.8%
43	32	72.5%
44	29	79.5%
45	31	87.0%
46	14	90.4%
47	17	94.5%
48	8	96.4%
49	10	98.8%
50	1	99.0%
51	1	99.3%
52	3	100.0%
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	415	

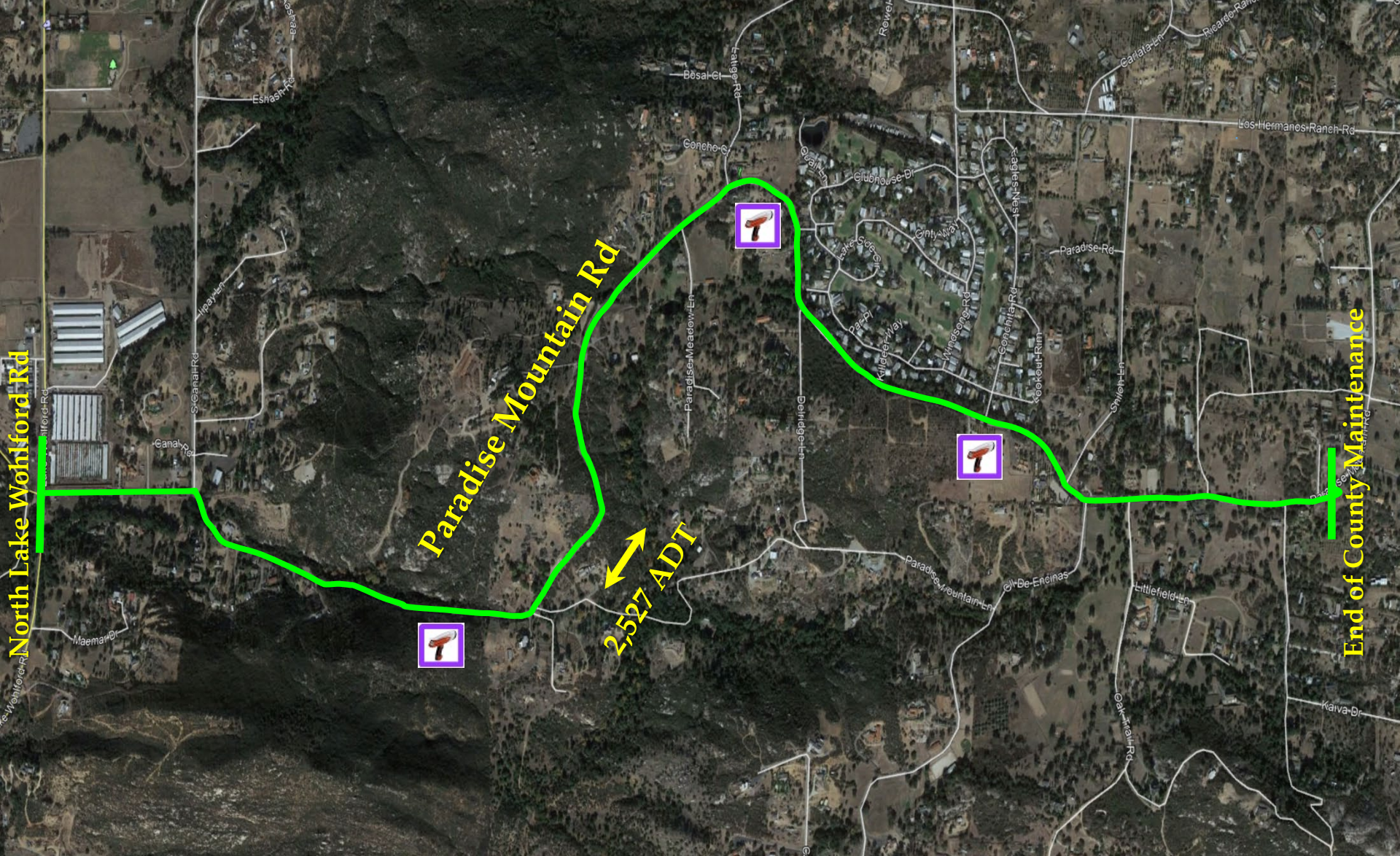


DATA ANALYSIS

Average Speed	41.3	Range	34 - 52
50th Percentile	40.6	10 mph Pace	36 - 45
85th Percentile	44.7	Number in Pace	347
90th Percentile	45.9	Percent in Pace	84%
95th Percentile	47.3		

5-B. Radar Certification Paradise Mountain Road

North Lake Wohlford Road to End of County Maintenance (2.77 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 23, 2021 **Item 5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Paradise Mountain Road from North Lake Wohlford Road to end of County maintenance (a distance of 2.77 miles) VALLEY CENTER (Thos. Bros. 1111-C5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Paradise Mountain Road from North Lake Wohlford Road to end of County maintenance 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

Paradise Mountain Road is a striped two-lane roadway with a 24 foot travelled way on a 24 to 40 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There are several speed advisory curves along the segment. Paradise Mountain Road are classified as a Minor Collector on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>06/21</u>	<u>02/13</u>
Paradise Mountain Road:		
450' W/o Paradise Mountain Lane	2,527	2,250

<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Paradise Mountain Road:			
600' W/o Paradise Mountain Ln(2021)	48.5 MPH	39-48	71.0%
(2013)	43.0 MPH	33-42	63.0%
500' E/o Paradise Meadow Ln (2021)	50.9 MPH	40-49	62.0%
600' W/o Shiloh Ln (2021)	46.1 MPH	35-44	74.0%
Speed Zone (2021)	48.5 MPH	38-47	69.0%

Collision Data

There have been 14 reported collisions along this segment of roadway, 4 of which

involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 1.83 collisions per million vehicle miles. The statewide average is 1.43 collisions per million vehicle miles for similar rural rolling conventional 2 lanes or less with speeds less than or equal to 55 MPH.

VOLUME

Paradise Mountain Rd W/O Paradise Mountain Ln

Day: Tuesday
Date: 6/8/2021

City: Valley Center
Project #: CA21_040084_020

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	1,229	1,298	2,527		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			1	0	1	12:00			33	19	52
00:15			1	0	1	12:15			16	29	45
00:30			1	0	1	12:30			19	20	39
00:45			3	6	0	12:45			19	87	37
					3				18	86	173
01:00			2	1	3	13:00			23	18	41
01:15			1	0	1	13:15			25	25	50
01:30			1	0	1	13:30			23	24	47
01:45			1	5	1	13:45			29	100	40
					2				11	78	178
02:00			1	1	2	14:00			21	20	41
02:15			3	1	4	14:15			21	14	35
02:30			0	0	0	14:30			23	24	47
02:45			0	4	1	14:45			23	88	37
					1				14	72	160
03:00			0	0	0	15:00			25	17	42
03:15			1	0	1	15:15			17	15	32
03:30			1	1	2	15:30			24	16	40
03:45			0	2	2	15:45			33	99	54
					2				21	69	168
04:00			0	2	2	16:00			31	23	54
04:15			0	3	3	16:15			35	17	52
04:30			0	6	6	16:30			40	15	55
04:45			0	7	7	16:45			32	138	45
					7				13	68	206
05:00			1	13	14	17:00			37	27	64
05:15			2	15	17	17:15			27	17	44
05:30			1	17	18	17:30			29	14	43
05:45			2	6	21	17:45			25	118	38
					23				13	71	189
06:00			3	17	20	18:00			34	11	45
06:15			4	27	31	18:15			26	12	38
06:30			8	25	33	18:30			27	8	35
06:45			11	26	35	18:45			32	119	40
					104				8	39	158
07:00			7	38	45	19:00			14	9	23
07:15			7	46	53	19:15			18	9	27
07:30			6	31	37	19:30			18	10	28
07:45			16	36	23	19:45			14	64	19
					138				5	33	97
08:00			14	16	30	20:00			19	10	29
08:15			13	27	40	20:15			11	13	24
08:30			11	31	42	20:30			14	3	17
08:45			14	52	24	20:45			10	54	12
					98				2	28	82
09:00			12	30	42	21:00			5	6	11
09:15			17	27	44	21:15			5	4	9
09:30			9	27	36	21:30			5	3	8
09:45			12	50	25	21:45			8	23	3
					109				3	16	11
10:00			8	19	27	22:00			9	2	11
10:15			16	28	44	22:15			12	3	15
10:30			18	18	36	22:30			3	2	5
10:45			15	57	21	22:45			3	27	5
					86				5	12	8
11:00			14	22	36	23:00			3	3	6
11:15			6	21	27	23:15			5	1	6
11:30			19	21	40	23:30			5	3	8
11:45			15	54	26	23:45			1	14	2
					90				2	9	3
					144				9		23
TOTALS			298	717	1015	TOTALS			931	581	1512
SPLIT %			29.4%	70.6%	40.2%	SPLIT %			61.6%	38.4%	59.8%

DAILY TOTALS					NB	SB	EB	WB	Total		
					0	0	1,229	1,298	2,527		
AM Peak Hour			11:30	06:45	06:45	PM Peak Hour			16:15	12:00	16:15
AM Pk Volume			83	150	181	PM Pk Volume			144	86	216
Pk Hr Factor			0.629	0.815	0.854	Pk Hr Factor			0.900	0.741	0.844
7 - 9 Volume	0	0	88	236	324	4 - 6 Volume	0	0	256	139	395
7 - 9 Peak Hour			07:45	07:00	07:00	4 - 6 Peak Hour			16:15	16:15	16:15
7 - 9 Pk Volume	0	0	54	138	174	4 - 6 Pk Volume	0	0	144	72	216
Pk Hr Factor	0.000	0.000	0.844	0.750	0.821	Pk Hr Factor	0.000	0.000	0.900	0.667	0.844



RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Paradise Mountain Rd **From:** North Lake Wohlford Rd **To:** End of County maintenance

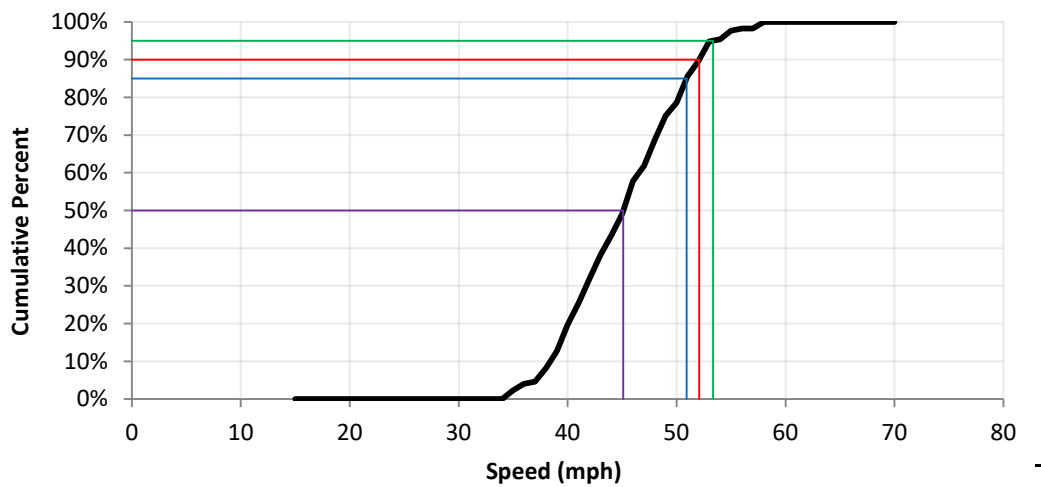
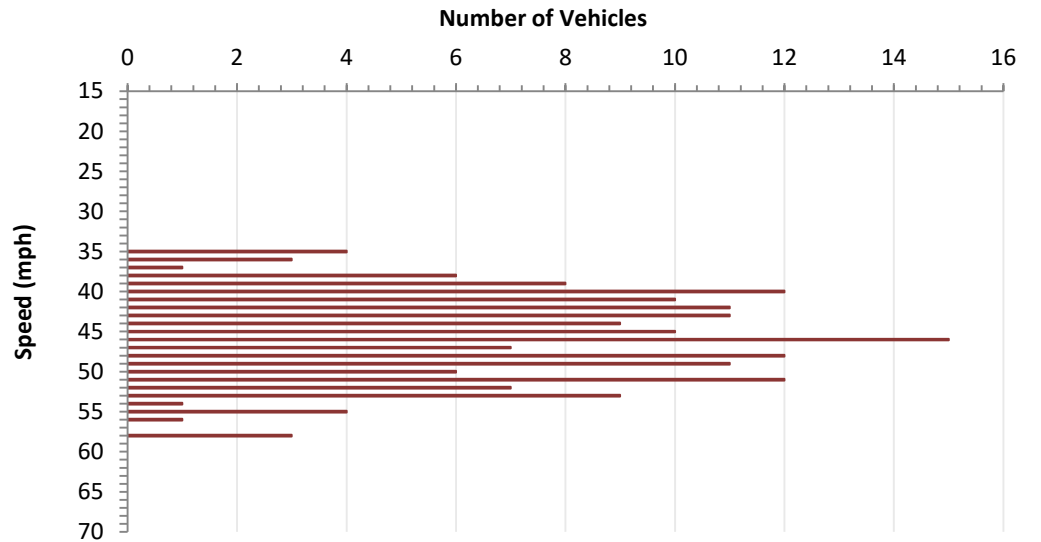
Position: 500' E/o Paradise Meadow Ln **Direction:** EB/WB

Date: 5/25/2021 **Weather:** Clear **Project Number:** 21-040085-030

Time Start: 11:00 AM **Road Condition:** Dry **Observer:** Contractor

Time End: 1:00 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	4	2.3%
36	3	4.0%
37	1	4.6%
38	6	8.1%
39	8	12.7%
40	12	19.7%
41	10	25.4%
42	11	31.8%
43	11	38.2%
44	9	43.4%
45	10	49.1%
46	15	57.8%
47	7	61.8%
48	12	68.8%
49	11	75.1%
50	6	78.6%
51	12	85.5%
52	7	89.6%
53	9	94.8%
54	1	95.4%
55	4	97.7%
56	1	98.3%
57		
58	3	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	173	



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

DATA ANALYSIS

Average Speed	45.6	Range	35 - 58
50th Percentile	45.1	10 mph Pace	40 - 49
85th Percentile	50.9	Number in Pace	108
90th Percentile	52.1	Percent in Pace	62%
95th Percentile	53.4		



RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Paradise Mountain Rd **From:** North Lake Wohlford Rd **To:** Dunbar Ln

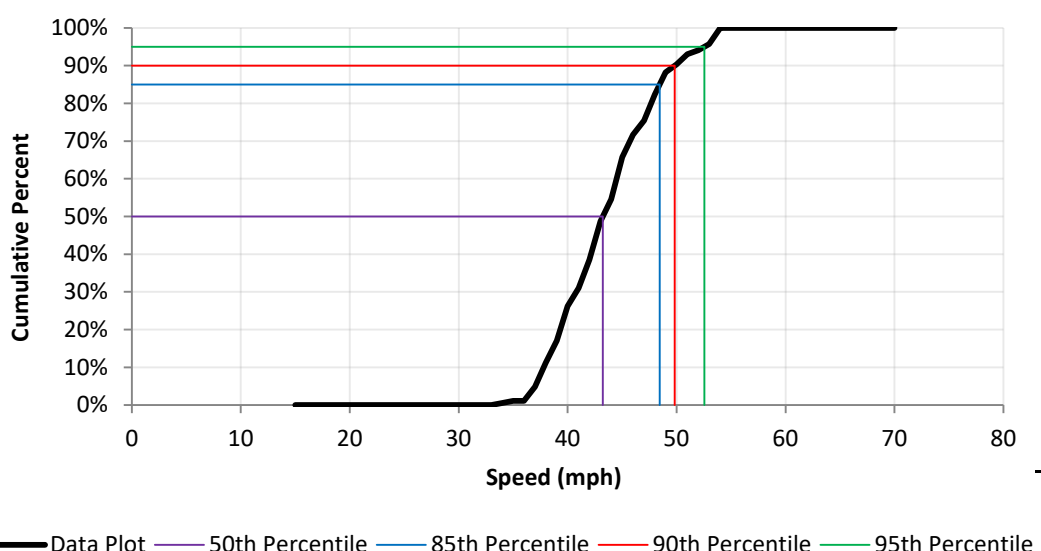
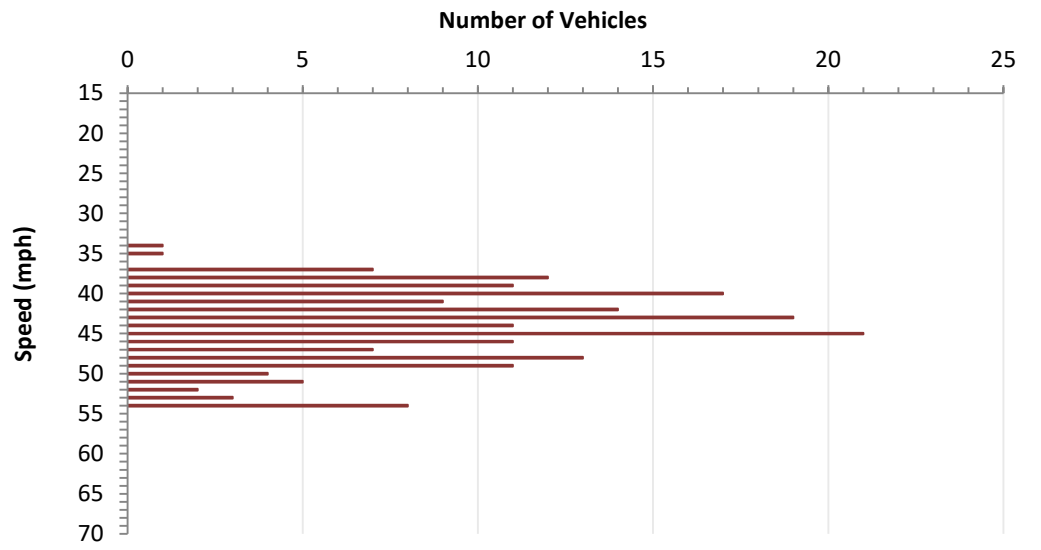
Position: 600' W/o Paradise Mountain Ln **Direction:** EB/WB

Date: 5/25/2021 **Weather:** Clear **Project Number:** 21-040085-031

Time Start: 1:30 PM **Road Condition:** Dry **Observer:** Contractor

Time End: 3:30 PM **Posted Speed:** 45 MPH **Calibration Test:** Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34	1	0.5%
35	1	1.1%
36		
37	7	4.8%
38	12	11.2%
39	11	17.1%
40	17	26.2%
41	9	31.0%
42	14	38.5%
43	19	48.7%
44	11	54.5%
45	21	65.8%
46	11	71.7%
47	7	75.4%
48	13	82.4%
49	11	88.2%
50	4	90.4%
51	5	93.0%
52	2	94.1%
53	3	95.7%
54	8	100.0%
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	187	



DATA ANALYSIS

Average Speed	44.1	Range	34 - 54
50th Percentile	43.2	10 mph Pace	39 - 48
85th Percentile	48.5	Number in Pace	133
90th Percentile	49.8	Percent in Pace	71%
95th Percentile	52.6		



RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: Paradise Mountain Rd **From:** North Lake Wohlford Rd **To:** Dunbar Ln

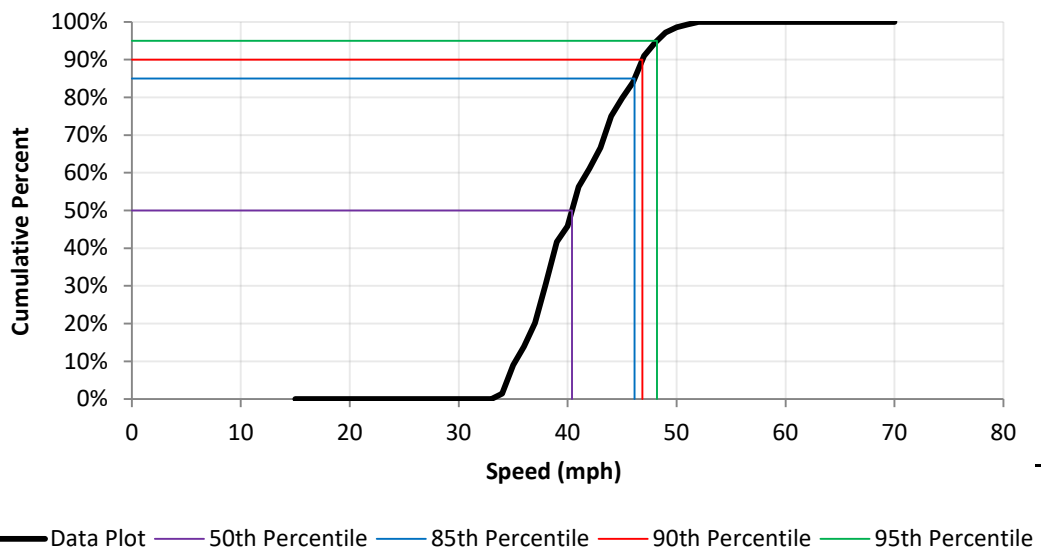
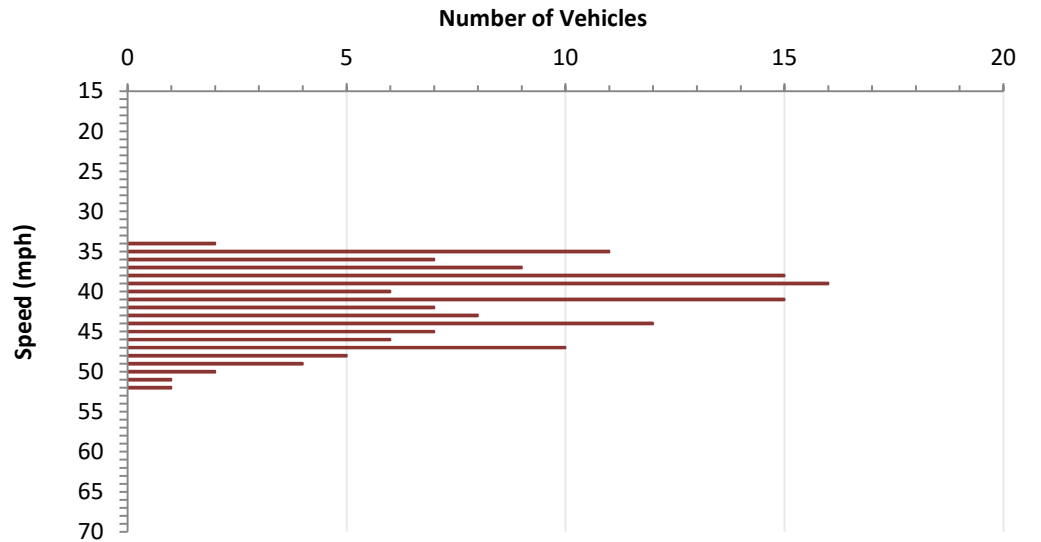
Position: 600' W/o Shiloh Ln **Direction:** EB/WB

Date: 5/25/2021 **Weather:** Clear **Project Number:** 21-040085-032

Time Start: 9:00 AM **Road Condition:** Dry **Observer:** Contractor

Time End: 11:00 AM **Posted Speed:** 45 MPH **Calibration Test:** Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34	2	1.4%
35	11	9.0%
36	7	13.9%
37	9	20.1%
38	15	30.6%
39	16	41.7%
40	6	45.8%
41	15	56.3%
42	7	61.1%
43	8	66.7%
44	12	75.0%
45	7	79.9%
46	6	84.0%
47	10	91.0%
48	5	94.4%
49	4	97.2%
50	2	98.6%
51	1	99.3%
52	1	100.0%
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	144	



DATA ANALYSIS

Average Speed	41.3	Range	34 - 52
50th Percentile	40.4	10 mph Pace	35 - 44
85th Percentile	46.1	Number in Pace	106
90th Percentile	46.9	Percent in Pace	74%
95th Percentile	48.2		