

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

Automobile Club of Southern
California
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
San Diego County Pacific Safety
Council
San Diego County
Sheriff's Department

July 20, 2018

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the July 27, 2018 meeting of the Traffic Advisory Committee (TAC). The meeting will begin at 9:00 AM in the following location:

Department of Public Works
Second Floor, Room 271
5510 Overland Avenue
San Diego, CA 92123

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 27, 2018 ~ 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 RECERTIFICATION	BROADWAY/CAMPO RD	SPRING VALLEY	SPRING VALLEY
2-B.	RADAR RECERTIFICATION	CAMPO ROAD	CASA DE ORO/ SPRING VALLEY	VALLE DE ORO/ SPRING VALLEY
2-C.	RADAR RECERTIFICATION	CAMPO ROAD	CASA DE ORO	VALLE DE ORO
2-D.	RADAR RECERTIFICATION	DYE RD/RAMONA ST/ WARNOCK DR	RAMONA	RAMONA
2-E.	RADAR RECERTIFICATION	SAN VICENTE ROAD	RAMONA	RAMONA
2-F.	INTERSECTION CONTROL	MADRID WAY & AGUA DULCE BLVD	VALLE DE ORO	VALLE DE ORO
<u>SUPERVISORIAL DISTRICT 5</u>				
5-A.	RADAR RECERTIFICATION	SAN DIEGUITO ROAD	FAIRBANKS RANCH	SAN DIEGUITO
5-B.	RADAR RECERTIFICATION	VIA DE SANTA FE	RANCHO SANTA FE	SAN DIEGUITO

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Broadway/Campo Road from Lemon Grove City Limit to the SR-125 Ramps (0.37 miles) SPRING VALLEY (Thos. Bros. 1270-J5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Broadway/Campo Road from Lemon Grove City Limit to the SR-125 Ramps is posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Broadway from the Lemon Grove City Limit to Spring Street measures 1,600 feet in length. It is a striped four-lane Through Highway that varies from 64 feet to 77 feet in width. There is a two-way left turn lane separating both directions of travel. The road is classified as a Major Road on the County General Plan Mobility Element Network and posted 45 MPH/Radar Certified.

Campo Road from Spring Street easterly to the SR-125 Ramps measures 340 feet in length. It is predominately a striped two-lane Through Highway that measures 83 feet in width. There are either edge-striping or bike lanes along both sides of the roadway. The road is classified as a Major Road on the County General Plan Mobility Element Network and posted 45 MPH/Radar Certified.

Average Daily Traffic Volumes

Broadway/Campo Road:

W/o Fairway Dr.

2/18

20,544

04/02

30,230

Speed Data

Broadway:

300' E/o Lemon Grove CL (2018)

85th
Percentile

45.6 MPH

10 MPH
Pace

35-44

% in
Pace

66.0%

(2011)

49.4 MPH

40-49

78.8%

Collision Data

There have been 34 reported collisions along this segment of roadway, 12 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). These collisions result in a segment accident rate of 2.46 collisions per million vehicle miles. The statewide average is 0.2 collisions per million vehicle miles for similar suburban undivided 5-6 lanes with speeds less than or equal 55 mile per hour.

2-A. Radar Recertification Broadway/Campo Rd from the Lemon Grove City Limit to SR-125 Ramps (0.37 miles)



VOLUME

Broadway/Campo Rd 400' W/O Fairway Dr

Day: Tuesday
Date: 4/10/2018City: Lemon Grove
Project #: CA18_4120_017

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	11,216					9,328	20,544
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00			16	34	50		12:00			130	141	271	
00:15			14	28	42		12:15			149	151	300	
00:30			15	23	38		12:30			161	142	303	
00:45			11	56	21	106	12:45			131	571	126	560
					32	162						257	1131
01:00			14	12	26		13:00			133	137	270	
01:15			11	11	22		13:15			137	126	263	
01:30			12	12	24		13:30			157	123	280	
01:45			9	46	12	47	13:45			139	566	117	503
					21	93						256	1069
02:00			11	14	25		14:00			149	160	309	
02:15			6	6	12		14:15			163	152	315	
02:30			4	4	8		14:30			197	168	365	
02:45			5	26	6	30	14:45			226	735	188	668
					11	56						414	1403
03:00			11	5	16		15:00			219	197	416	
03:15			13	10	23		15:15			192	239	431	
03:30			8	4	12		15:30			237	208	445	
03:45			17	49	3	22	15:45			172	820	208	852
					20	71						380	1672
04:00			12	5	17		16:00			184	198	382	
04:15			18	8	26		16:15			186	181	367	
04:30			31	13	44		16:30			164	185	349	
04:45			30	91	12	38	16:45			168	702	205	769
					42	129						373	1471
05:00			52	4	56		17:00			166	176	342	
05:15			59	17	76		17:15			178	200	378	
05:30			91	14	105		17:30			150	226	376	
05:45			119	321	38	73	17:45			134	628	201	803
					157	394						335	1431
06:00			133	35	168		18:00			145	186	331	
06:15			184	47	231		18:15			143	152	295	
06:30			249	49	298		18:30			130	122	252	
06:45			330	896	103	234	18:45			138	556	168	628
					433	1130						306	1184
07:00			348	94	442		19:00			94	153	247	
07:15			366	105	471		19:15			111	141	252	
07:30			364	151	515		19:30			96	131	227	
07:45			246	1324	175	525	19:45			109	410	91	516
					421	1849						200	926
08:00			319	186	505		20:00			101	100	201	
08:15			308	112	420		20:15			74	96	170	
08:30			204	118	322		20:30			75	109	184	
08:45			154	985	111	527	20:45			63	313	104	409
					265	1512						167	722
09:00			143	95	238		21:00			62	98	160	
09:15			144	89	233		21:15			61	85	146	
09:30			160	98	258		21:30			68	90	158	
09:45			122	569	109	391	21:45			58	249	61	334
					231	960						119	583
10:00			128	108	236		22:00			46	55	101	
10:15			132	103	235		22:15			37	51	88	
10:30			99	98	197		22:30			35	61	96	
10:45			113	472	111	420	22:45			31	149	50	217
					224	892						81	366
11:00			140	110	250		23:00			38	43	81	
11:15			141	125	266		23:15			34	43	77	
11:30			133	137	270		23:30			28	27	55	
11:45			140	554	131	503	23:45			28	128	40	153
					271	1057						68	281
TOTALS			5389	2916	8305		TOTALS			5827	6412	12239	
SPLIT %			64.9%	35.1%	40.4%		SPLIT %			47.6%	52.4%	59.6%	

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						11,216	9,328						20,544
AM Peak Hour			06:45	07:30	07:15		PM Peak Hour			14:45	15:15	14:45							
AM Pk Volume			1408	624	1912		PM Pk Volume			874	853	1706							
Pk Hr Factor			0.962	0.839	0.928		Pk Hr Factor			0.922	0.892	0.958							
7 - 9 Volume	0	0	2309	1052	3361		4 - 6 Volume	0	0	1330	1572	2902							
7 - 9 Peak Hour			07:00	07:30	07:15		4 - 6 Peak Hour			16:00	16:45	16:00							
7 - 9 Pk Volume	0	0	1324	624	1912		4 - 6 Pk Volume	0	0	702	807	1471							
Pk Hr Factor	0.000	0.000	0.904	0.839	0.928		Pk Hr Factor	0.000	0.000	0.944	0.893	0.963							



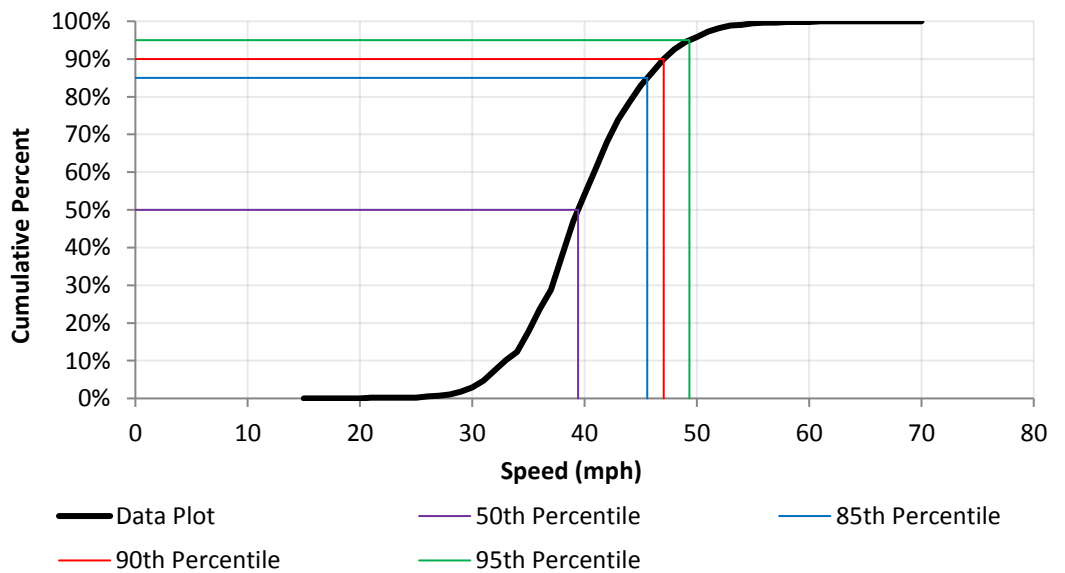
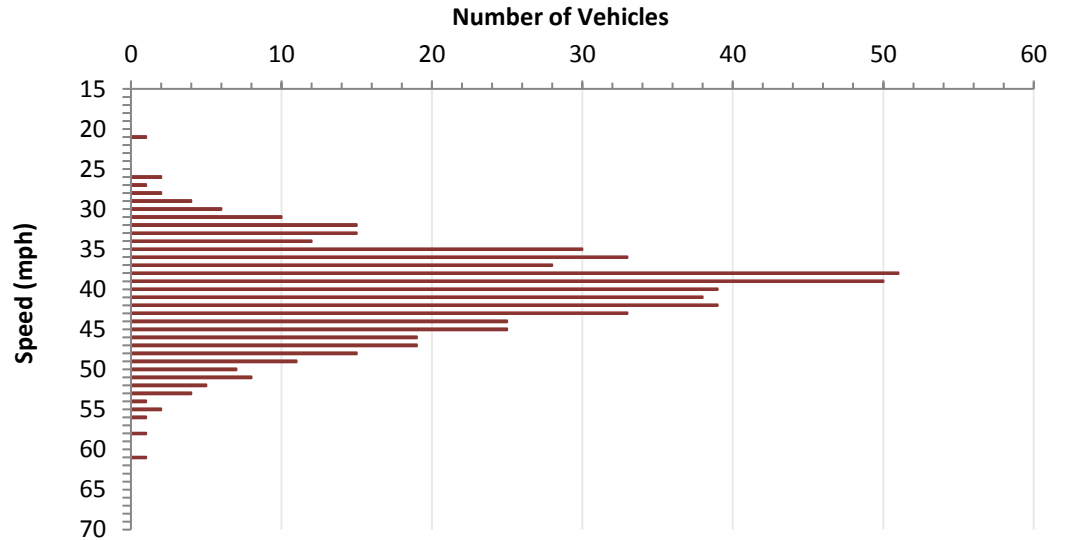
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Broadway/Campo Rd	From:	Lemon Grove CL	To:	SR-125 Ramps
Position:	300' EO Lemon Grove CL	Direction:	EB/WB		

Date:	4/13/2018	Weather:	Clear	Project Number:	0
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	45 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	0.2%
22		
23		
24		
25		
26	2	0.5%
27	1	0.7%
28	2	1.1%
29	4	1.8%
30	6	2.9%
31	10	4.7%
32	15	7.4%
33	15	10.1%
34	12	12.3%
35	30	17.7%
36	33	23.7%
37	28	28.8%
38	51	38.0%
39	50	47.0%
40	39	54.1%
41	38	60.9%
42	39	68.0%
43	33	74.0%
44	25	78.5%
45	25	83.0%
46	19	86.4%
47	19	89.9%
48	15	92.6%
49	11	94.6%
50	7	95.8%
51	8	97.3%
52	5	98.2%
53	4	98.9%
54	1	99.1%
55	2	99.5%
56	1	99.6%
57		
58	1	99.8%
59		
60		
61	1	100.0%
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	553	



DATA ANALYSIS

Average Speed	40.3	Range	21 - 61
50th Percentile	39.4	10 mph Pace	35 - 44
85th Percentile	45.6	Number in Pace	366
90th Percentile	47.0	Percent in Pace	66%
95th Percentile	49.3		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item **2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Campo Road from the SR-125 Ramps to Bancroft Drive
(0.47 miles) SPRING VALLEY/CASA DE ORO (Thos.
Bros. 1271-A4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Campo Road from the SR-125 Ramps to Bancroft Drive is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Campo Road measures approximately 39 to 60 feet in width. It is predominately a striped two-lane Through Highway. There are either edge-striping or bike lanes along both sides of the roadway. The road is classified as a Major Road on the County General Plan Mobility Element Network and posted 40 MPH/Radar Certified.

<u>Average Daily Traffic Volumes</u>	<u>04/18</u>	<u>12/11</u>
Campo Road:		
W/o Bancroft Drive	9,526	21,040*

*Estimated

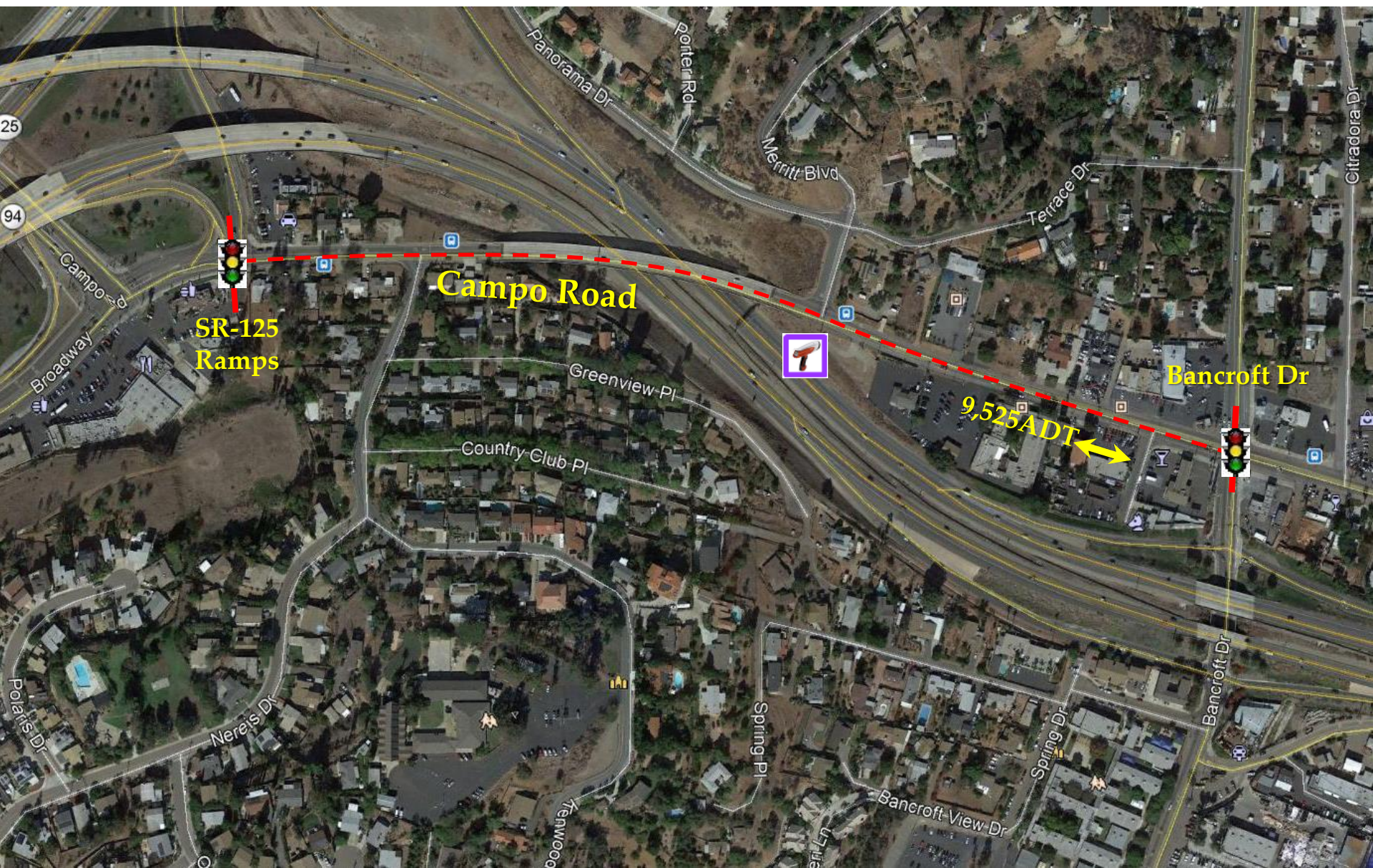
<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Campo Road:				
at Merritt Boulevard	(2018)	39.9 MPH	30-39	68.0%
	(2011)	42.9 MPH	32-41	73.6%

Collision Data

There have been 34 reported collisions along this segment of roadway, 11 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). These collisions result in a segment accident rate of 4.17 collisions per million vehicle miles. The statewide average is 2.39 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 mile per hour.

2-B. Radar Recertification

Campo Road from SR-125 Ramps to Bancroft Drive (0.48 miles)



VOLUME

Campo Rd 450' W/O Bancroft Dr

Day: Tuesday
Date: 4/10/2018City: Spring Valley
Project #: CA18_4120_015

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						5,712	3,814						9,526
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			11	7	18		12:00			99	41	140							
00:15			14	8	22		12:15			74	50	124							
00:30			5	4	9		12:30			98	54	152							
00:45			4	34	5	24	12:45			88	359	48	193	136	552				
01:00			7	2	9		13:00			104	54	158							
01:15			8	3	11		13:15			94	59	153							
01:30			5	4	9		13:30			91	56	147							
01:45			13	33	2	11	13:45			104	393	54	223	158	616				
02:00			4	3	7		14:00			118	51	169							
02:15			2	2	4		14:15			95	71	166							
02:30			4	5	9		14:30			130	67	197							
02:45			1	11	1	11	14:45			129	472	78	267	207	739				
03:00			4	0	4		15:00			129	70	199							
03:15			3	3	6		15:15			141	60	201							
03:30			6	2	8		15:30			133	64	197							
03:45			2	15	0	5	15:45			139	542	64	258	203	800				
04:00			5	0	5		16:00			108	73	181							
04:15			6	1	7		16:15			110	62	172							
04:30			7	5	12		16:30			108	69	177							
04:45			8	26	3	9	16:45			114	440	48	252	162	692				
05:00			12	7	19		17:00			128	67	195							
05:15			9	13	22		17:15			90	72	162							
05:30			17	8	25		17:30			102	62	164							
05:45			23	61	19	47	17:45			122	442	61	262	183	704				
06:00			24	24	48		18:00			89	44	133							
06:15			24	48	72		18:15			112	43	155							
06:30			33	51	84		18:30			90	38	128							
06:45			44	125	88	211	18:45			90	381	54	179	144	560				
07:00			45	86	131		19:00			82	50	132							
07:15			51	111	162		19:15			82	47	129							
07:30			77	105	182		19:30			81	44	125							
07:45			87	260	113	415	19:45			82	327	31	172	113	499				
08:00			71	133	204		20:00			66	42	108							
08:15			84	116	200		20:15			65	28	93							
08:30			101	69	170		20:30			44	31	75							
08:45			73	329	70	388	20:45			53	228	33	134	86	362				
09:00			74	69	143		21:00			53	16	69							
09:15			61	49	110		21:15			51	22	73							
09:30			71	41	112		21:30			53	18	71							
09:45			76	282	63	222	21:45			36	193	16	72	52	265				
10:00			57	47	104		22:00			31	19	50							
10:15			73	36	109		22:15			27	17	44							
10:30			68	47	115		22:30			23	11	34							
10:45			69	267	52	182	22:45			24	105	14	61	38	166				
11:00			76	46	122		23:00			21	11	32							
11:15			78	52	130		23:15			14	4	18							
11:30			77	45	122		23:30			18	10	28							
11:45			79	310	44	187	23:45			24	77	4	29	28	106				
TOTALS			1753	1712	3465		TOTALS			3959	2102	6061							
SPLIT %			50.6%	49.4%	36.4%		SPLIT %			65.3%	34.7%	63.6%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						5,712	3,814						9,526
AM Peak Hour			11:45	07:30	07:30		PM Peak Hour			15:00	14:15	14:30							
AM Pk Volume			350	467	786		PM Pk Volume			542	286	804							
Pk Hr Factor			0.884	0.878	0.963		Pk Hr Factor			0.961	0.917	0.971							
7 - 9 Volume	0	0	589	803	1392		4 - 6 Volume	0	0	882	514	1396							
7 - 9 Peak Hour			07:45	07:30	07:30		4 - 6 Peak Hour			16:15	17:00	16:15							
7 - 9 Pk Volume	0	0	343	467	786		4 - 6 Pk Volume	0	0	460	262	706							
Pk Hr Factor	0.000	0.000	0.849	0.878	0.963		Pk Hr Factor	0.000	0.000	0.898	0.910	0.905							



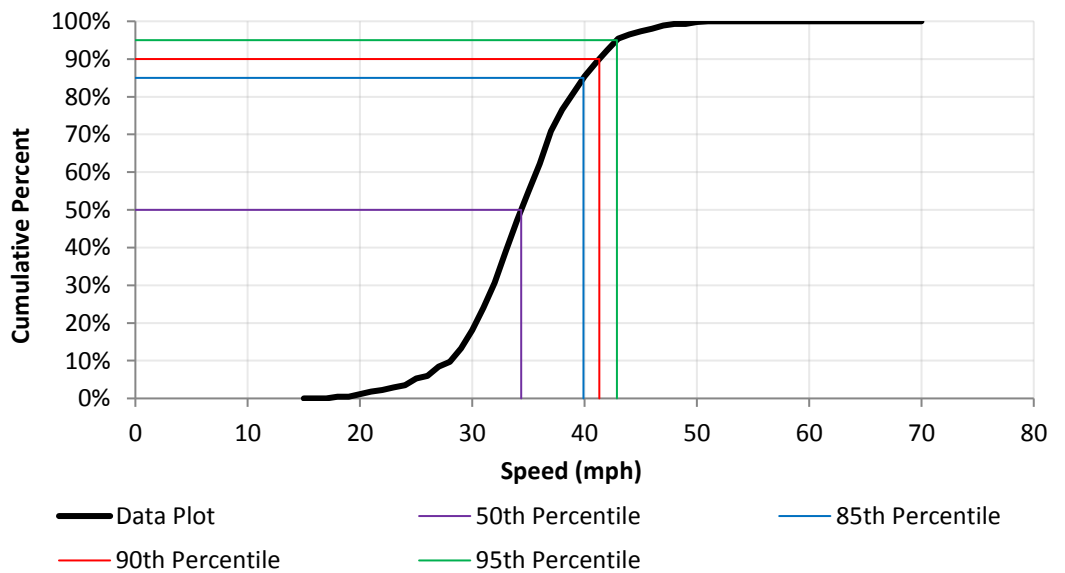
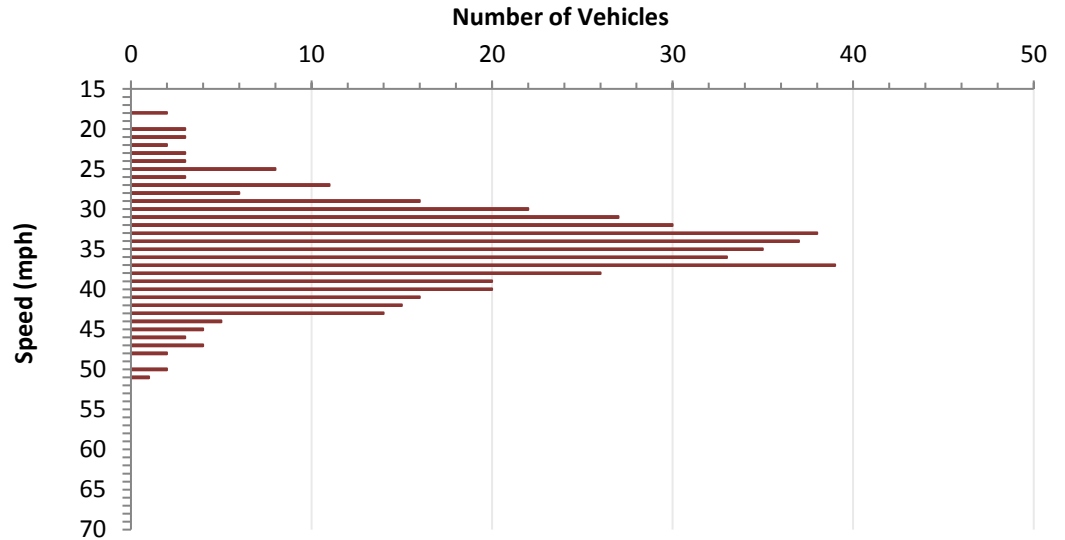
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd	From:	SR-125 Ramps	To:	Bancroft Dr
Position:	Merritt Blvd	Direction:	EB/WB		

Date:	4/13/2018	Weather:	Clear	Project Number:	0
Time Start:	11:10 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:10 PM	Posted Speed:	40 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18	2	0.4%
19		
20	3	1.1%
21	3	1.8%
22	2	2.2%
23	3	2.9%
24	3	3.5%
25	8	5.3%
26	3	6.0%
27	11	8.4%
28	6	9.7%
29	16	13.2%
30	22	18.1%
31	27	24.1%
32	30	30.7%
33	38	39.1%
34	37	47.2%
35	35	55.0%
36	33	62.3%
37	39	70.9%
38	26	76.6%
39	20	81.0%
40	20	85.4%
41	16	89.0%
42	15	92.3%
43	14	95.4%
44	5	96.5%
45	4	97.4%
46	3	98.0%
47	4	98.9%
48	2	99.3%
49		
50	2	99.8%
51	1	100.0%
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	453	



DATA ANALYSIS

Average Speed	34.9	Range	18 - 51
50th Percentile	34.4	10 mph Pace	30 - 39
85th Percentile	39.9	Number in Pace	307
90th Percentile	41.3	Percent in Pace	68%
95th Percentile	42.9		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item 2-C

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Campo Road from Bancroft Drive to South Granada Avenue (1.3 miles) CASA DE ORO (Thos. Bros. 1271-B4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Campo Road from Bancroft Drive to South Granada Avenue is posted 35 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Campo Road from Bancroft Drive to Rogers Road is a striped two-lane Through Highway that varies from 39 to 63 feet wide. There are either edge-striping or bike lanes along both sides of the roadway. Campo Road from Bancroft Drive to Camino Paz is classified as a Major Road and from Camino Paz to Rogers Road is classified as a Community Collector on the County General Plan Mobility Element Network and they both posted 35 MPH/Radar Certified.

Campo Road from Rogers Road to 900 feet east of Rogers Road is a striped two-lane Through Highway that varies from 44 to 50 feet wide. From Kenwood Drive to South Granada Avenue, it is primarily a striped four-lane Through Highway that measures 64 feet wide. There is a two-way left turn lane separating both directions of travel. There are bike lanes along both sides of the roadway. The road is classified as a Boulevard on the County General Plan Mobility Element Network and posted 35 MPH/Radar Certified.

Average Daily Traffic Volumes

Campo Road:

W/o Hollyhock Ln.

04/18

8,980

12/11

6,470

Speed Data

Campo Road:

315' W/o Hollyhock Lane

(2018)

(2011)

85th
Percentile

41.2 MPH

36.0 MPH

10 MPH
Pace

34-43

28-37

% in
Pace

86.0%

82.4%

600' E/o Rogers Road	(2018)	40.2 MPH	32-41	83.0%
	(2010)	42.3 MPH	34-43	73.9%
600' E/o Conrad Drive	(2018)	36.9 MPH	29-38	83.0%
	(2010)	35.8 MPH	28-37	80.0%
Speed Zone	(2018)	39.4 MPH	32-41	84.0%

Collision Data**Campo Road – Bancroft Drive to 900' east of Rogers Road**

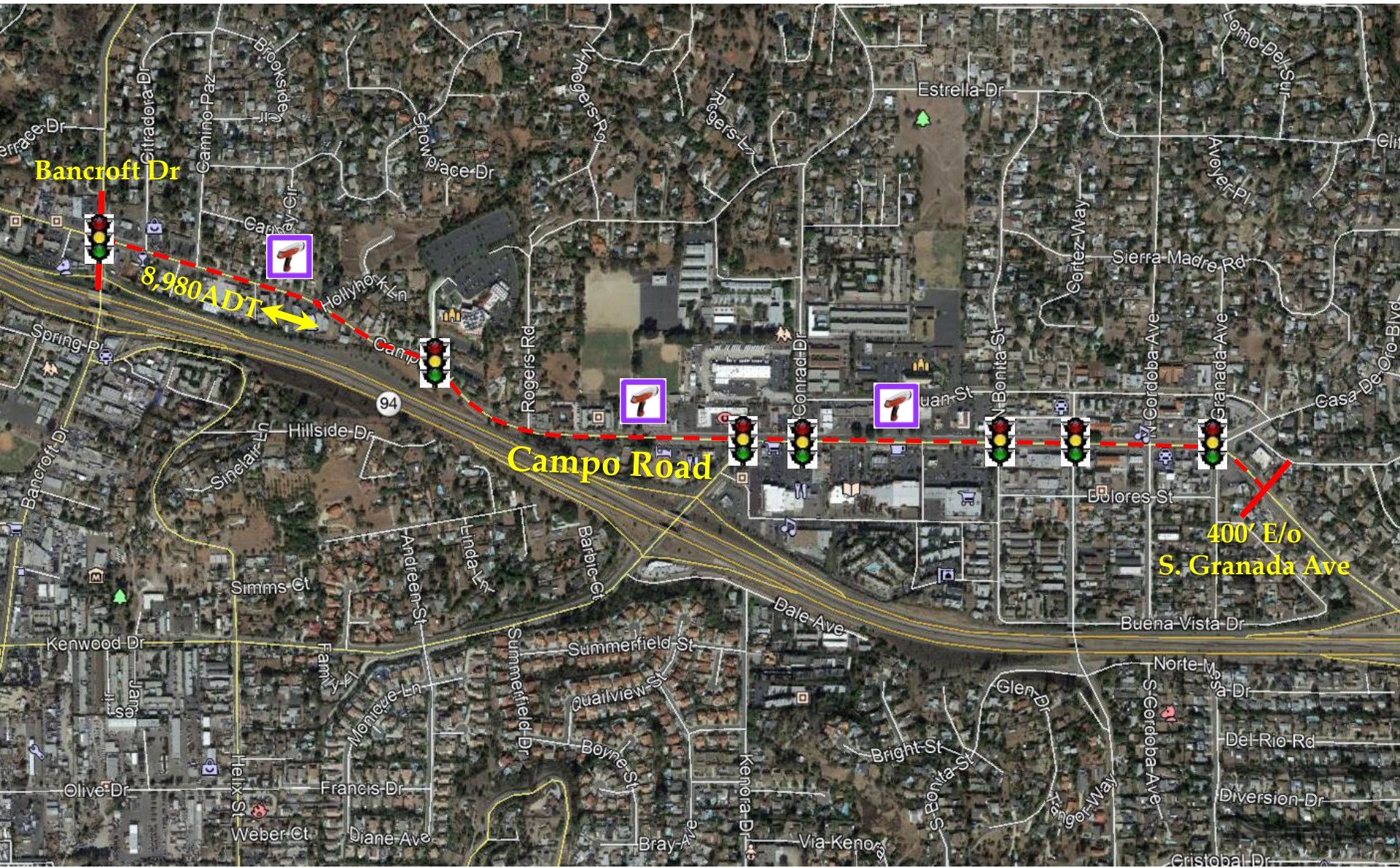
There have been 10 reported collisions along this segment of roadway, 4 of which involved injury, in a 2 year period (5-1-16 to 4-30-18). These collisions result in a segment accident rate of 2.12 collisions per million vehicle miles. The statewide average is 2.39 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 mile per hour.

Campo Road – 900' east of Rogers Road to South Granada Avenue

There have been 51 reported collisions along this segment of roadway, 18 of which involved injury, in a 2 year period (5-1-16 to 4-30-18). These collisions result in a segment accident rate of 13.44 collisions per million vehicle miles. The statewide average is 0.20 collisions per million vehicle miles for similar suburban undivided 5-6 lanes or less with speed limit less than 55mile per hour.

2-C. Radar Recertification

Campo Road from Bancroft Drive to South Granada Avenue (1.44 miles)



VOLUME

Campo Rd 100' W/O Hollyhock Ln

Day: Tuesday
Date: 4/10/2018City: Spring Valley
Project #: CA18_4120_016

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						4,856	4,128						8,984
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00			9	4	13		12:00			67	44	111							
00:15			8	5	13		12:15			78	60	138							
00:30			5	4	9		12:30			79	52	131							
00:45			6	28	2	15	12:45			84	308	50	206	134	514				
01:00			5	1	6		13:00			93	62	155							
01:15			5	3	8		13:15			69	66	135							
01:30			7	5	12		13:30			78	63	141							
01:45			5	22	1	10	13:45			83	323	60	251	143	574				
02:00			1	1	2		14:00			80	59	139							
02:15			0	1	1		14:15			110	82	192							
02:30			2	1	3		14:30			124	74	198							
02:45			1	4	1	4	14:45			125	439	82	297	207	736				
03:00			0	5	5		15:00			118	74	192							
03:15			1	2	3		15:15			102	73	175							
03:30			2	0	2		15:30			101	72	173							
03:45			1	4	3	10	15:45			124	445	66	285	190	730				
04:00			1	1	2		16:00			102	61	163							
04:15			0	1	1		16:15			119	58	177							
04:30			2	5	7		16:30			89	58	147							
04:45			5	8	5	12	16:45			107	417	52	229	159	646				
05:00			3	8	11		17:00			121	62	183							
05:15			4	4	8		17:15			138	59	197							
05:30			14	17	31		17:30			107	65	172							
05:45			15	36	41	91	17:45			151	517	59	245	210	762				
06:00			13	32	45		18:00			104	60	164							
06:15			20	53	73		18:15			118	39	157							
06:30			25	71	96		18:30			83	55	138							
06:45			28	86	88	244	18:45			98	403	39	193	137	596				
07:00			44	98	142		19:00			87	42	129							
07:15			32	124	156		19:15			59	46	105							
07:30			57	137	194		19:30			55	50	105							
07:45			74	207	231	723	19:45			54	255	35	173	89	428				
08:00			52	129	181		20:00			50	32	82							
08:15			67	114	181		20:15			62	27	89							
08:30			65	82	147		20:30			38	35	73							
08:45			44	228	87	412	20:45			47	197	32	126	79	323				
09:00			52	54	106		21:00			47	51	98							
09:15			39	50	89		21:15			27	38	65							
09:30			53	49	102		21:30			34	19	53							
09:45			59	203	124	421	21:45			20	128	21	129	41	257				
10:00			55	44	99		22:00			15	14	29							
10:15			57	46	103		22:15			22	14	36							
10:30			52	56	108		22:30			12	12	24							
10:45			56	220	44	190	22:45			20	69	10	50	30	119				
11:00			49	52	101		23:00			16	4	20							
11:15			65	67	132		23:15			14	4	18							
11:30			73	54	127		23:30			12	6	18							
11:45			69	256	66	239	23:45			11	53	5	19	16	72				
TOTALS			1302	1925	3227		TOTALS			3554	2203	5757							
SPLIT %			40.3%	59.7%	35.9%		SPLIT %			61.7%	38.3%	64.1%							

DAILY TOTALS					NB	SB						EB	WB						Total
					0	0						4,856	4,128						8,984
AM Peak Hour			11:45	07:15	07:30		PM Peak Hour			17:00	14:15	14:15							
AM Pk Volume			293	547	787		PM Pk Volume			517	312	789							
Pk Hr Factor			0.927	0.871	0.852		Pk Hr Factor			0.856	0.951	0.953							
7 - 9 Volume	0	0	435	928	1363		4 - 6 Volume	0	0	934	474	1408							
7 - 9 Peak Hour			07:45	07:15	07:30		4 - 6 Peak Hour			17:00	17:00	17:00							
7 - 9 Pk Volume	0	0	258	547	787		4 - 6 Pk Volume	0	0	517	245	762							
Pk Hr Factor	0.000	0.000	0.872	0.871	0.852		Pk Hr Factor	0.000	0.000	0.856	0.942	0.907							



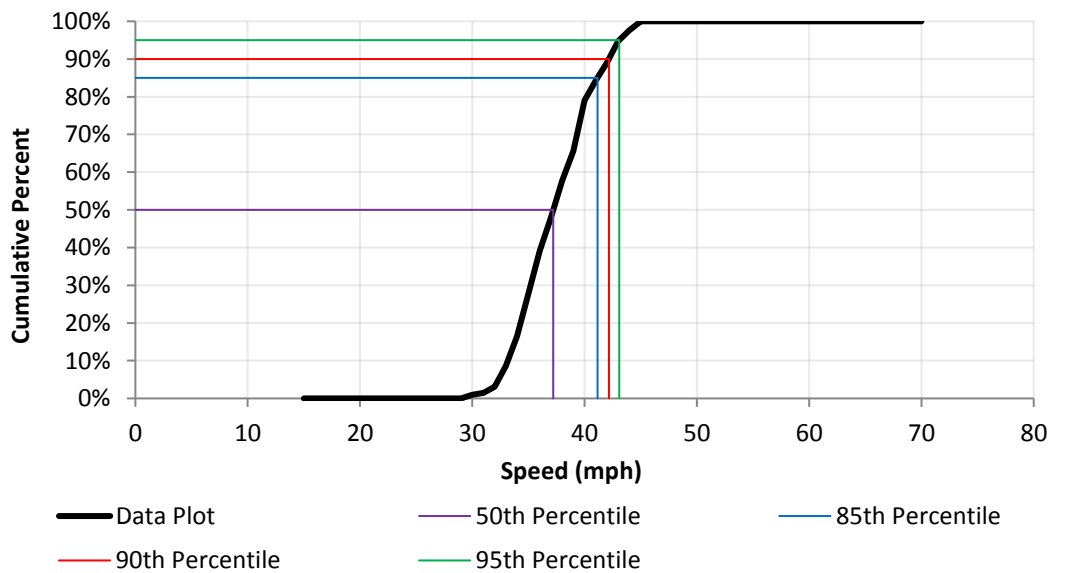
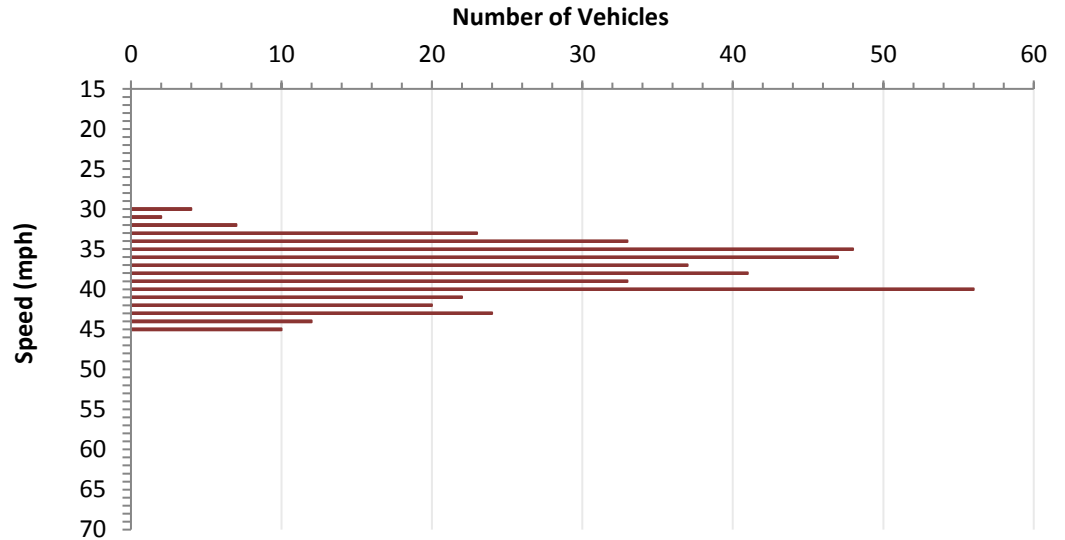
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd	From:	Bancroft Dr	To:	420' EO South Granada Ave
Position:	315' WO Hollyhock Ln	Direction:	EB/WB		

Date:	4/5/2018	Weather:	Clear	Project Number:	0
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:00 PM	Posted Speed:	35 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	4	1.0%
31	2	1.4%
32	7	3.1%
33	23	8.6%
34	33	16.5%
35	48	27.9%
36	47	39.1%
37	37	48.0%
38	41	57.8%
39	33	65.6%
40	56	79.0%
41	22	84.2%
42	20	89.0%
43	24	94.7%
44	12	97.6%
45	10	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	419	



DATA ANALYSIS

Average Speed	37.9	Range	30 - 45
50th Percentile	37.2	10 mph Pace	34 - 43
85th Percentile	41.2	Number in Pace	361
90th Percentile	42.2	Percent in Pace	86%
95th Percentile	43.1		



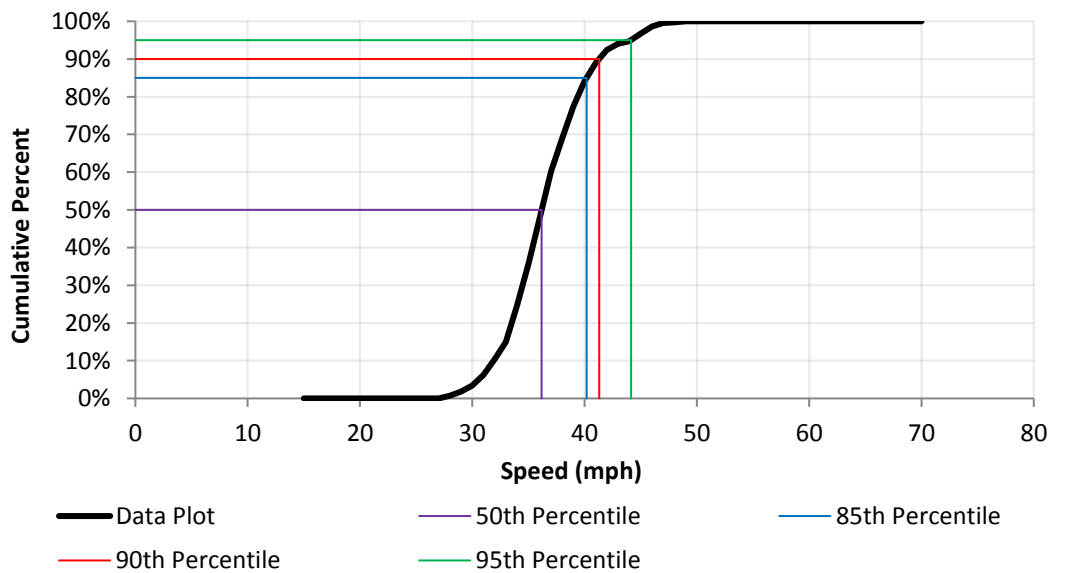
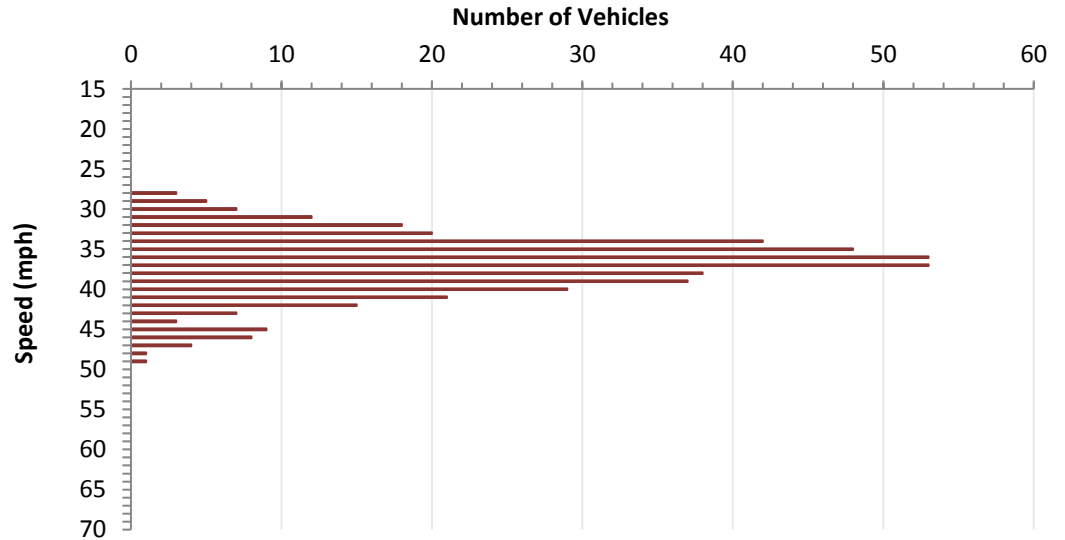
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd	From:	Bancroft Dr	To:	420' EO South Granada Ave
Position:	600' EO Rogers Rd	Direction:	EB/WB		

Date:	4/5/2018	Weather:	Clear	Project Number:	0
Time Start:	11:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:00 PM	Posted Speed:	35 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	3	0.7%
29	5	1.8%
30	7	3.5%
31	12	6.2%
32	18	10.4%
33	20	15.0%
34	42	24.7%
35	48	35.7%
36	53	47.9%
37	53	60.1%
38	38	68.9%
39	37	77.4%
40	29	84.1%
41	21	88.9%
42	15	92.4%
43	7	94.0%
44	3	94.7%
45	9	96.8%
46	8	98.6%
47	4	99.5%
48	1	99.8%
49	1	100.0%
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	434	



DATA ANALYSIS

Average Speed	37.0	Range	28 - 49
50th Percentile	36.2	10 mph Pace	32 - 41
85th Percentile	40.2	Number in Pace	359
90th Percentile	41.3	Percent in Pace	83%
95th Percentile	44.1		



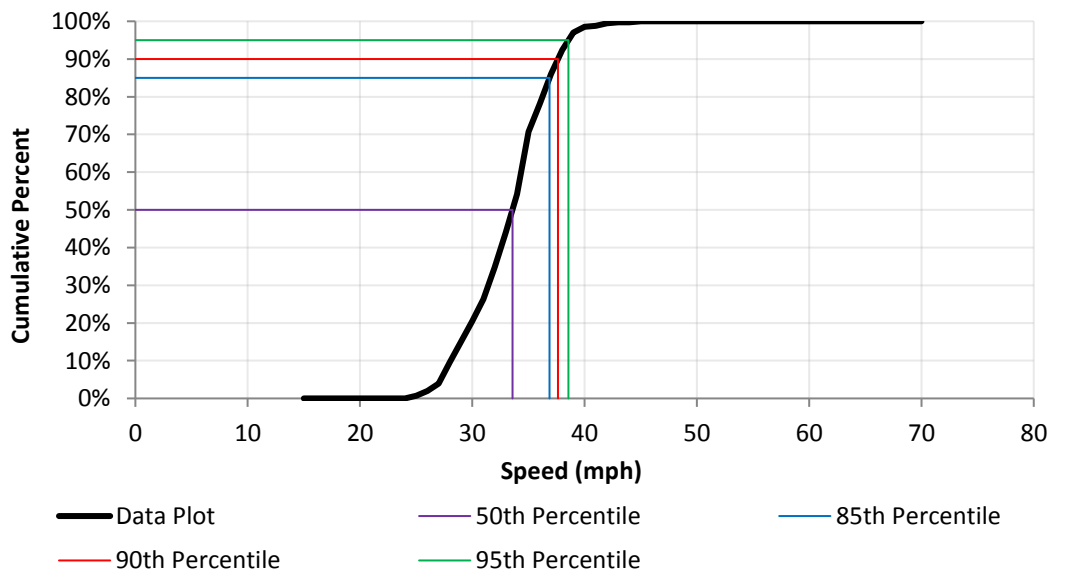
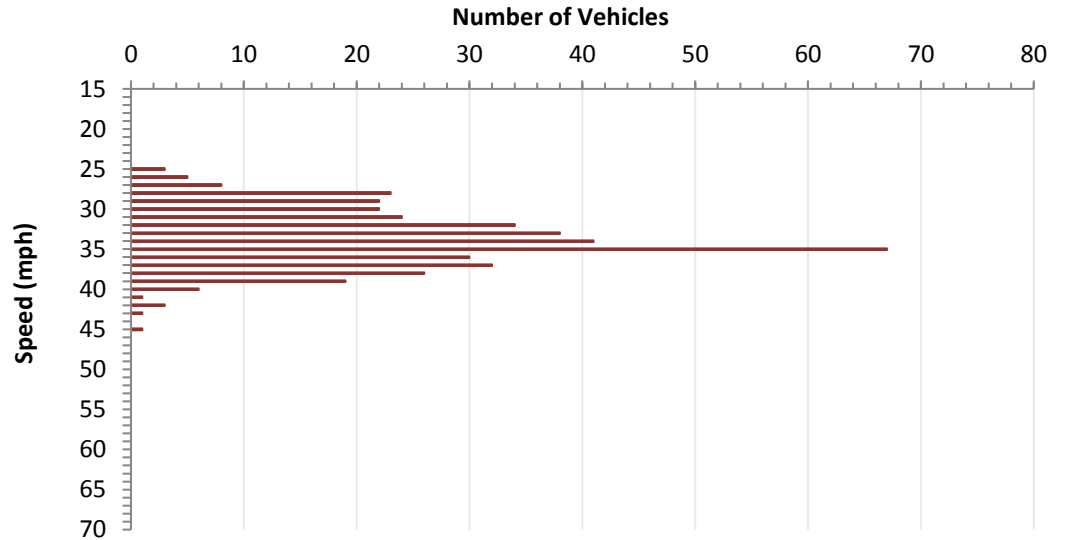
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd	From:	Bancroft Dr	To:	420' EO South Granada Ave
Position:	600' EO Conrad Dr	Direction:	EB/WB		

Date:	4/5/2018	Weather:	Clear	Project Number:	0
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	35 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	3	0.7%
26	5	2.0%
27	8	3.9%
28	23	9.6%
29	22	15.0%
30	22	20.4%
31	24	26.4%
32	34	34.7%
33	38	44.1%
34	41	54.2%
35	67	70.7%
36	30	78.1%
37	32	86.0%
38	26	92.4%
39	19	97.0%
40	6	98.5%
41	1	98.8%
42	3	99.5%
43	1	99.8%
44		
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	406	



DATA ANALYSIS

Average Speed	33.7	Range	25 - 45
50th Percentile	33.6	10 mph Pace	29 - 38
85th Percentile	36.9	Number in Pace	336
90th Percentile	37.6	Percent in Pace	83%
95th Percentile	38.6		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item **2-D**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Dye Road/Ramona Street/Warnock Drive from a point 1,000 feet west of Ramona Street to San Vicente Road (1.39 miles) RAMONA (Thos. Bros. 1172-F3)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Dye Road/Ramona Street/Warnock Drive from a point 1,000 feet west of Ramona Street to San Vicente Road is posted 50 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Dye Road/Ramona Street/Warnock Drive is a striped two-lane roadway that varies from 28 feet to 40 feet in width. There is edge-striping along both sides of the roadway. The road is posted 50 MPH/Radar Certified. Dye Road and Warnock Drive are classified as a Community Collector, Ramona Street is classified as a Light Collector on the County General Plan Mobility Element Network and they are all posted 50 MPH/Radar Certified.

Average Daily Traffic Volumes

Warnock Drive:

W/o San Vicente Road

04/18

6,425

10/11

5,310

Speed Data

Ramona St:

500' S/o Royal Vista Dr

(2018)

**85th
Percentile**

53.3 MPH

**10 MPH
Pace**

45-54

**% in
Pace**

83.0%

Warnock Drive:

650' W/o San Vicente Rd

(2018)

52.9 MPH

45-54

81.0%

1,500' E/o Ramona St

(2011)

51.0 MPH

41-50

60.2%

Speed Zone

(2018)

53.1 MPH

45-54

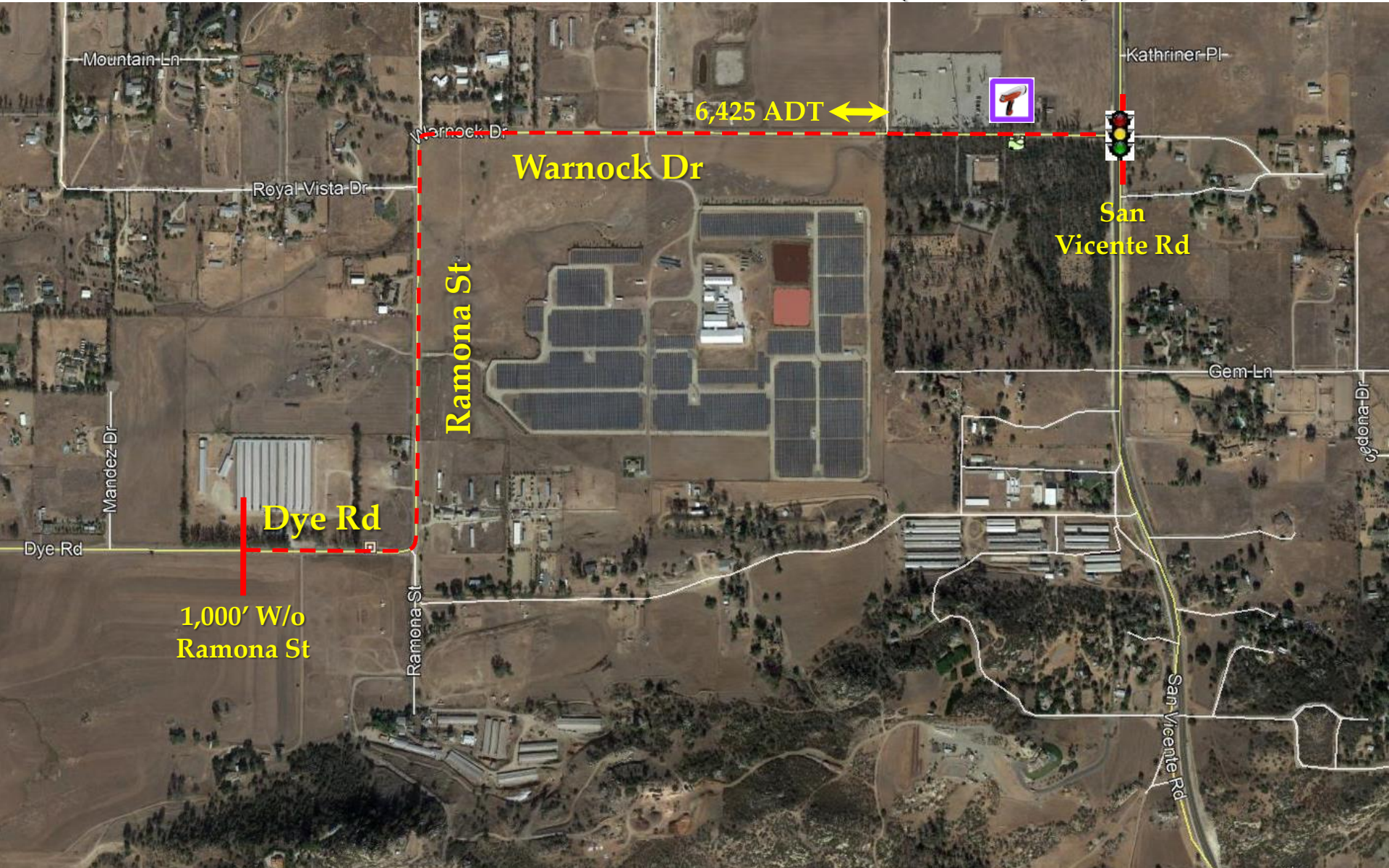
82.0%

Collision Data

There have been 33 reported collisions along this segment of roadway, 5 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). 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 between 45 and 55 mile per hour.

2-D. Radar Recertification

**Dye Rd/Ramona St/Warnock Dr from 1,000' W/o
Ramona St to San Vicente Rd (1.4 miles)**



VOLUME

Warnock Dr 1500' W/O San Vicente Rd

Day: Wednesday
Date: 4/18/2018City: Ramona
Project #: CA18_4120_004

DAILY TOTALS					NB	SB						EB	WB	Total	
					0	0						3,146	3,279	6,425	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00			7	2	9		12:00			36	37	73			
00:15			6	2	8		12:15			40	18	58			
00:30			3	3	6		12:30			42	40	82			
00:45			4	20	5	28	12:45			42	160	89	302		
01:00			5	3	8		13:00			43	32	75			
01:15			2	1	3		13:15			37	34	71			
01:30			2	2	4		13:30			36	30	66			
01:45			1	10	2	17	13:45			36	152	73	285		
02:00			1	2	3		14:00			47	31	78			
02:15			0	11	11		14:15			47	43	90			
02:30			0	11	11		14:30			46	44	90			
02:45			0	1	1	25	14:45			65	205	92	350		
03:00			4	2	6		15:00			59	28	87			
03:15			1	4	5		15:15			78	33	111			
03:30			4	8	12		15:30			75	36	111			
03:45			1	10	4	27	15:45			86	298	120	429		
04:00			0	6	6		16:00			104	23	127			
04:15			3	18	21		16:15			83	19	102			
04:30			2	36	38		16:30			106	30	136			
04:45			2	7	38	103	16:45			82	375	111	476		
05:00			3	43	46		17:00			103	35	138			
05:15			3	60	63		17:15			106	34	140			
05:30			6	70	76		17:30			114	35	149			
05:45			9	21	101	286	17:45			93	416	125	552		
06:00			7	115	122		18:00			81	39	120			
06:15			14	124	138		18:15			84	18	102			
06:30			15	113	128		18:30			69	23	92			
06:45			31	67	157	545	18:45			67	301	88	402		
07:00			23	100	123		19:00			66	22	88			
07:15			31	130	161		19:15			45	24	69			
07:30			28	72	100		19:30			49	18	67			
07:45			31	113	125	509	19:45			54	214	69	293		
08:00			27	94	121		20:00			42	17	59			
08:15			24	101	125		20:15			35	8	43			
08:30			30	59	89		20:30			28	14	42			
08:45			33	114	102	437	20:45			32	137	44	188		
09:00			14	57	71		21:00			23	10	33			
09:15			33	42	75		21:15			19	18	37			
09:30			20	54	74		21:30			24	3	27			
09:45			33	100	73	293	21:45			28	94	34	131		
10:00			20	40	60		22:00			7	7	14			
10:15			22	38	60		22:15			12	8	20			
10:30			34	43	77		22:30			11	1	12			
10:45			26	102	73	270	22:45			12	42	18	64		
11:00			32	77	109		23:00			15	3	18			
11:15			41	54	95		23:15			8	1	9			
11:30			41	41	82		23:30			5	2	7			
11:45			33	147	79	365	23:45			12	40	13	47		
TOTALS			712	2194	2906		TOTALS			2434	1085	3519			
SPLIT %			24.5%	75.5%	45.2%		SPLIT %			69.2%	30.8%	54.8%			

DAILY TOTALS					NB	SB						EB	WB	Total	
					0	0						3,146	3,279	6,425	
AM Peak Hour			11:15	06:00	06:30		PM Peak Hour			17:00	13:45	17:00			
AM Pk Volume			151	478	569		PM Pk Volume			416	155	552			
Pk Hr Factor			0.921	0.948	0.884		Pk Hr Factor			0.912	0.881	0.926			
7 - 9 Volume	0	0	227	719	946		4 - 6 Volume	0	0	791	237	1028			
7 - 9 Peak Hour			07:15	07:00	07:00		4 - 6 Peak Hour			17:00	17:00	17:00			
7 - 9 Pk Volume	0	0	117	396	509		4 - 6 Pk Volume	0	0	416	136	552			
Pk Hr Factor	0.000	0.000	0.944	0.762	0.790		Pk Hr Factor	0.000	0.000	0.912	0.971	0.926			



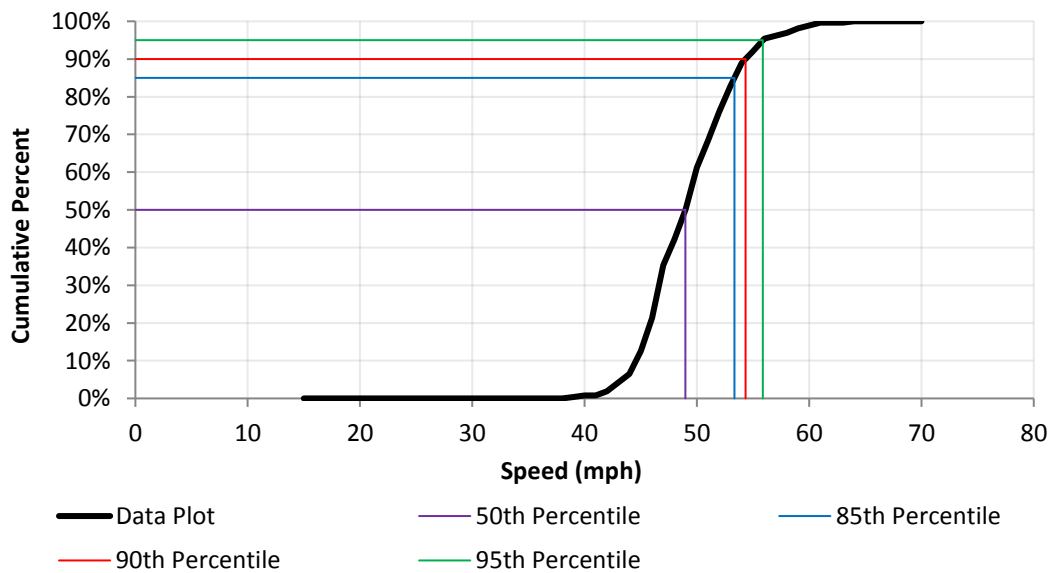
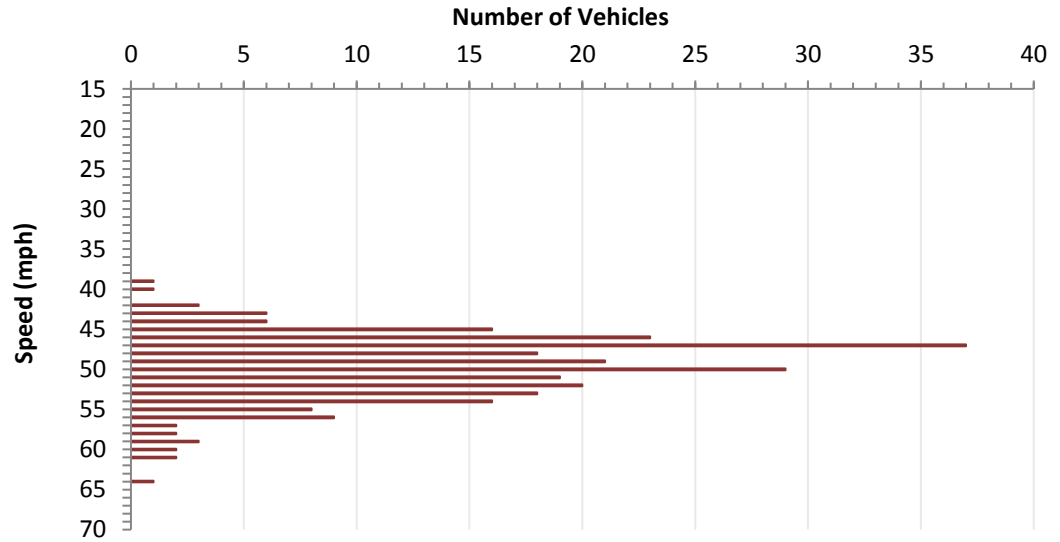
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Dye Rd/Ramona St/W	From:	1,000' WO Ramona St	To:	San Vicente Rd
Position:	500' S/o Royal Vista Dr	Direction:	NB/SB		

Date:	4/12/2018	Weather:	Clear	Project Number:	0
Time Start:	1:00 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:00 PM	Posted Speed:	50 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39	1	0.4%
40	1	0.8%
41		
42	3	1.9%
43	6	4.2%
44	6	6.5%
45	16	12.5%
46	23	21.3%
47	37	35.4%
48	18	42.2%
49	21	50.2%
50	29	61.2%
51	19	68.4%
52	20	76.0%
53	18	82.9%
54	16	89.0%
55	8	92.0%
56	9	95.4%
57	2	96.2%
58	2	97.0%
59	3	98.1%
60	2	98.9%
61	2	99.6%
62		
63		
64	1	100.0%
65		
66		
67		
68		
69		
70		
Total	263	



DATA ANALYSIS

Average Speed	49.7	Range	39 - 64
50th Percentile	49.0	10 mph Pace	45 - 54
85th Percentile	53.3	Number in Pace	217
90th Percentile	54.3	Percent in Pace	83%
95th Percentile	55.9		



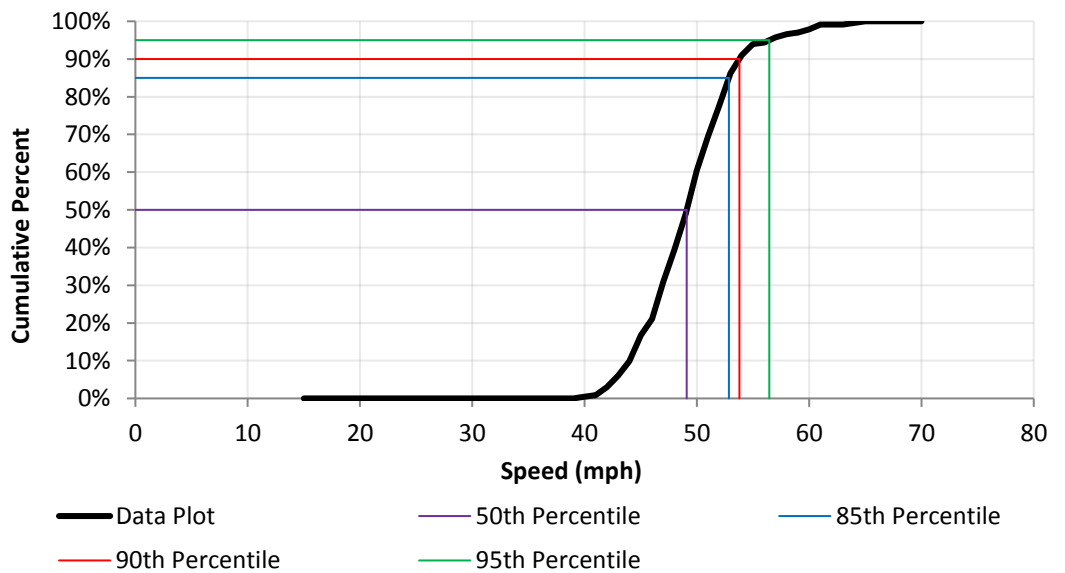
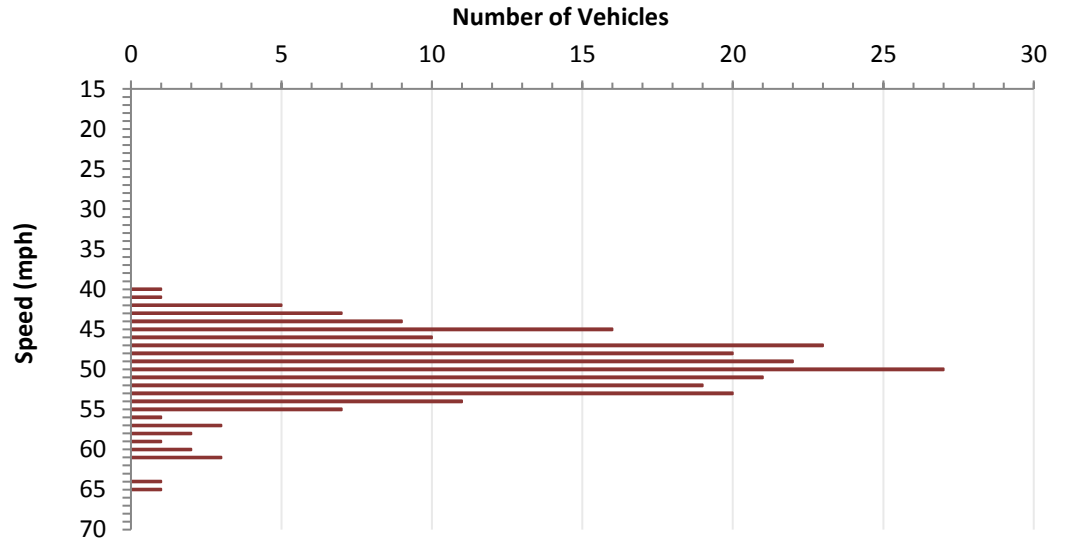
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Dye Rd/Ramona St/W	From:	1,000' WO Ramona St	To:	San Vicente Rd
Position:	650' WO San Vicente Rd	Direction:	EB/WB		

Date:	4/12/2018	Weather:	Clear	Project Number:	0
Time Start:	11:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:00 PM	Posted Speed:	50 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
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34		
35		
36		
37		
38		
39		
40	1	0.4%
41	1	0.9%
42	5	3.0%
43	7	6.0%
44	9	9.9%
45	16	16.7%
46	10	21.0%
47	23	30.9%
48	20	39.5%
49	22	48.9%
50	27	60.5%
51	21	69.5%
52	19	77.7%
53	20	86.3%
54	11	91.0%
55	7	94.0%
56	1	94.4%
57	3	95.7%
58	2	96.6%
59	1	97.0%
60	2	97.9%
61	3	99.1%
62		
63		
64	1	99.6%
65	1	100.0%
66		
67		
68		
69		
70		
Total	233	



DATA ANALYSIS

Average Speed	49.7	Range	40 - 65
50th Percentile	49.1	10 mph Pace	45 - 54
85th Percentile	52.9	Number in Pace	189
90th Percentile	53.8	Percent in Pace	81%
95th Percentile	56.5		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item 2-E

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: San Vicente Road from Hanson Lane northerly to Eleventh Street (0.63 miles) RAMONA (Thos. Bros. 1172-G1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

San Vicente Road from Hanson Lane northerly to Eleventh Street is posted 50 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

San Vicente Road is a striped two-lane Through Highway that varies from 54 feet to 67 feet in width. There is a two-way left-turn lane separating both directions of travel. It has edge-striping along both sides of the roadway. The road is classified as a Light Collector on the County General Plan Mobility Element Network and posted 50 MPH/Radar Certified.

Average Daily Traffic Volumes

San Vicente Road:
N/o Hanson Lane

04/18

10/11

10,600

10,100

Speed Data

San Vicente Road:

170' S/o Barger Place

(2018)

(2011)

85th
Percentile

50.9 MPH

50.7 MPH

10 MPH
Pace

43-52

42-51

% in
Pace

84.0%

75.8%

Collision Data

There have been 9 reported collisions along this segment of roadway, 1 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). These collisions result in a segment accident rate of 0.74 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 and 55 mile per hour.

2-E. Radar Recertification

San Vicente Rd from Hanson Lane to Eleventh Street (0.6 miles)



VOLUME

San Vicente Rd 550' N/O Hanson Ln

Day: Wednesday
Date: 4/18/2018City: Ramona
Project #: CA18_4120_007

DAILY TOTALS					NB	SB	EB					WB	Total
					5,199	5,398	0					0	10,597
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	8	7			15		12:00	60	95			155	
00:15	6	6			12		12:15	80	78			158	
00:30	11	4			15		12:30	72	91			163	
00:45	5	30	2	19	7	49	12:45	76	288	63	327	139	615
01:00	6	4			10		13:00	55	86			141	
01:15	6	10			16		13:15	75	73			148	
01:30	3	1			4		13:30	80	68			148	
01:45	1	16	1	16	2	32	13:45	74	284	87	314	161	598
02:00	1	1			2		14:00	59	123			182	
02:15	8	5			13		14:15	130	119			249	
02:30	4	6			10		14:30	114	98			212	
02:45	4	17	1	13	5	30	14:45	89	392	120	460	209	852
03:00	4	2			6		15:00	73	101			174	
03:15	8	1			9		15:15	110	84			194	
03:30	6	1			7		15:30	100	97			197	
03:45	5	23	1	5	6	28	15:45	71	354	105	387	176	741
04:00	14	1			15		16:00	88	95			183	
04:15	13	4			17		16:15	100	108			208	
04:30	14	3			17		16:30	110	94			204	
04:45	23	64	6	14	29	78	16:45	93	391	90	387	183	778
05:00	24	10			34		17:00	73	116			189	
05:15	31	16			47		17:15	89	111			200	
05:30	39	15			54		17:30	100	119			219	
05:45	39	133	29	70	68	203	17:45	102	364	110	456	212	820
06:00	51	28			79		18:00	96	95			191	
06:15	54	47			101		18:15	77	77			154	
06:30	60	52			112		18:30	67	79			146	
06:45	104	269	105	232	209	501	18:45	78	318	100	351	178	669
07:00	145	188			333		19:00	73	94			167	
07:15	112	120			232		19:15	56	80			136	
07:30	90	119			209		19:30	40	82			122	
07:45	133	480	87	514	220	994	19:45	30	199	88	344	118	543
08:00	86	74			160		20:00	29	64			93	
08:15	95	76			171		20:15	39	53			92	
08:30	110	63			173		20:30	25	70			95	
08:45	86	377	84	297	170	674	20:45	20	113	52	239	72	352
09:00	78	54			132		21:00	22	51			73	
09:15	58	52			110		21:15	16	38			54	
09:30	62	48			110		21:30	20	30			50	
09:45	76	274	64	218	140	492	21:45	18	76	25	144	43	220
10:00	67	51			118		22:00	10	43			53	
10:15	75	62			137		22:15	13	17			30	
10:30	56	44			100		22:30	13	11			24	
10:45	72	270	47	204	119	474	22:45	13	49	11	82	24	131
11:00	78	66			144		23:00	10	15			25	
11:15	82	54			136		23:15	14	11			25	
11:30	86	59			145		23:30	9	11			20	
11:45	131	377	79	258	210	635	23:45	8	41	10	47	18	88
TOTALS	2330	1860			4190		TOTALS	2869	3538			6407	
SPLIT %	55.6%	44.4%			39.5%		SPLIT %	44.8%	55.2%			60.5%	

DAILY TOTALS					NB	SB						EB	WB	Total
					5,199	5,398						0	0	10,597
AM Peak Hour	07:00	06:45			07:00	PM Peak Hour	14:15	14:00			14:00			
AM Pk Volume	480	532			994	PM Pk Volume	406	460			852			
Pk Hr Factor	0.828	0.707			0.746	Pk Hr Factor	0.781	0.935			0.855			
7 - 9 Volume	857	811	0	0	1668	4 - 6 Volume	755	843	0	0	1598			
7 - 9 Peak Hour	07:00	07:00			07:00	4 - 6 Peak Hour	16:00	17:00			17:00			
7 - 9 Pk Volume	480	514	0	0	994	4 - 6 Pk Volume	391	456	0	0	820			
Pk Hr Factor	0.828	0.684	0.000	0.000	0.746	Pk Hr Factor	0.889	0.958	0.000	0.000	0.936			



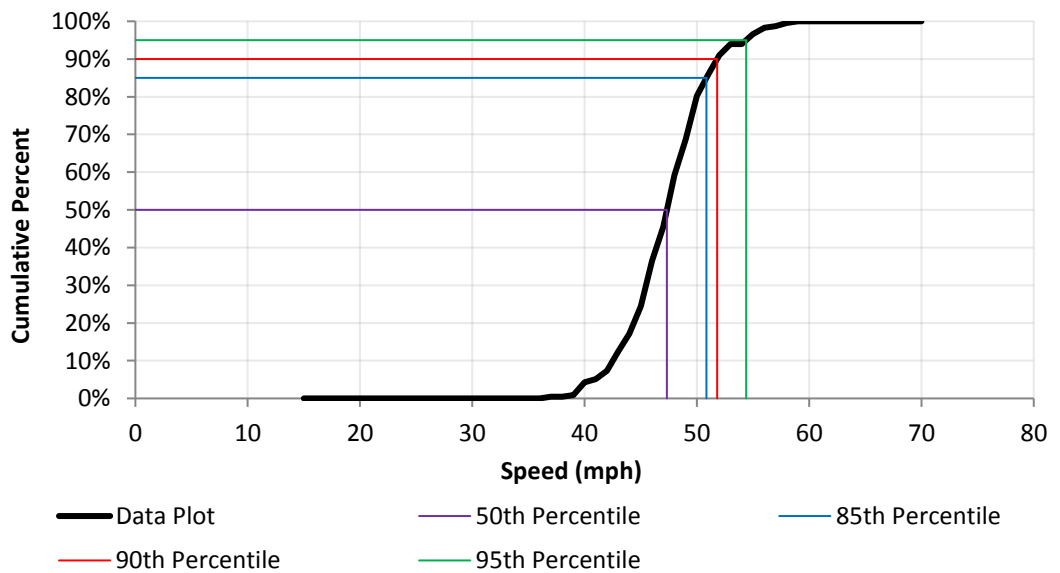
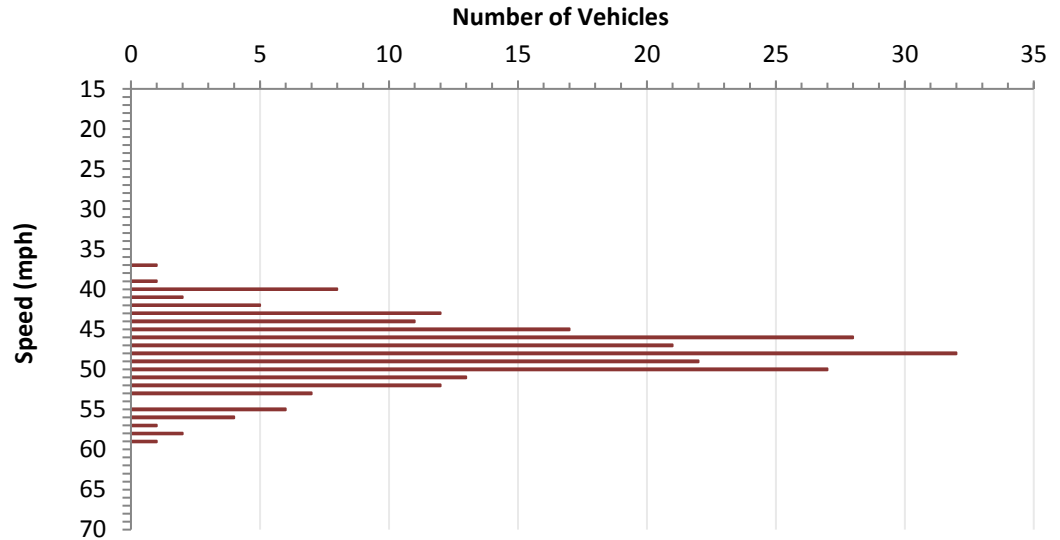
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	San Vicente Rd	From:	Hanson Ln	To:	Eleventh St
Position:	170' SO Barger Pl	Direction:	NB/SB		

Date:	4/12/2018	Weather:	Clear	Project Number:	0
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	50 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37	1	0.4%
38		
39	1	0.9%
40	8	4.3%
41	2	5.2%
42	5	7.3%
43	12	12.4%
44	11	17.2%
45	17	24.5%
46	28	36.5%
47	21	45.5%
48	32	59.2%
49	22	68.7%
50	27	80.3%
51	13	85.8%
52	12	91.0%
53	7	94.0%
54		
55	6	96.6%
56	4	98.3%
57	1	98.7%
58	2	99.6%
59	1	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	233	



DATA ANALYSIS

Average Speed	47.8	Range	37 - 59
50th Percentile	47.3	10 mph Pace	43 - 52
85th Percentile	50.9	Number in Pace	195
90th Percentile	51.8	Percent in Pace	84%
95th Percentile	54.4		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018 **Item 2-F**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Agua Dulce Blvd at Madrid Way, SPRING VALLEY
(Thos. Bros.1271-E5)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

A Major Use Permit was approved to authorize a Charter Middle School on the southeast corner of the Agua Dulce Boulevard / Madrid Way intersection. There is an existing elementary school, Casa De Oro, on the northwest corner of the same intersection.

Per the approved traffic study, the intersection of Agua Dulce Boulevard and Madrid Way meet California MUTCD, Section 2B.07, optional criteria B, C and D, therefore an all-way stop control could be considered.

Existing Traffic Devices

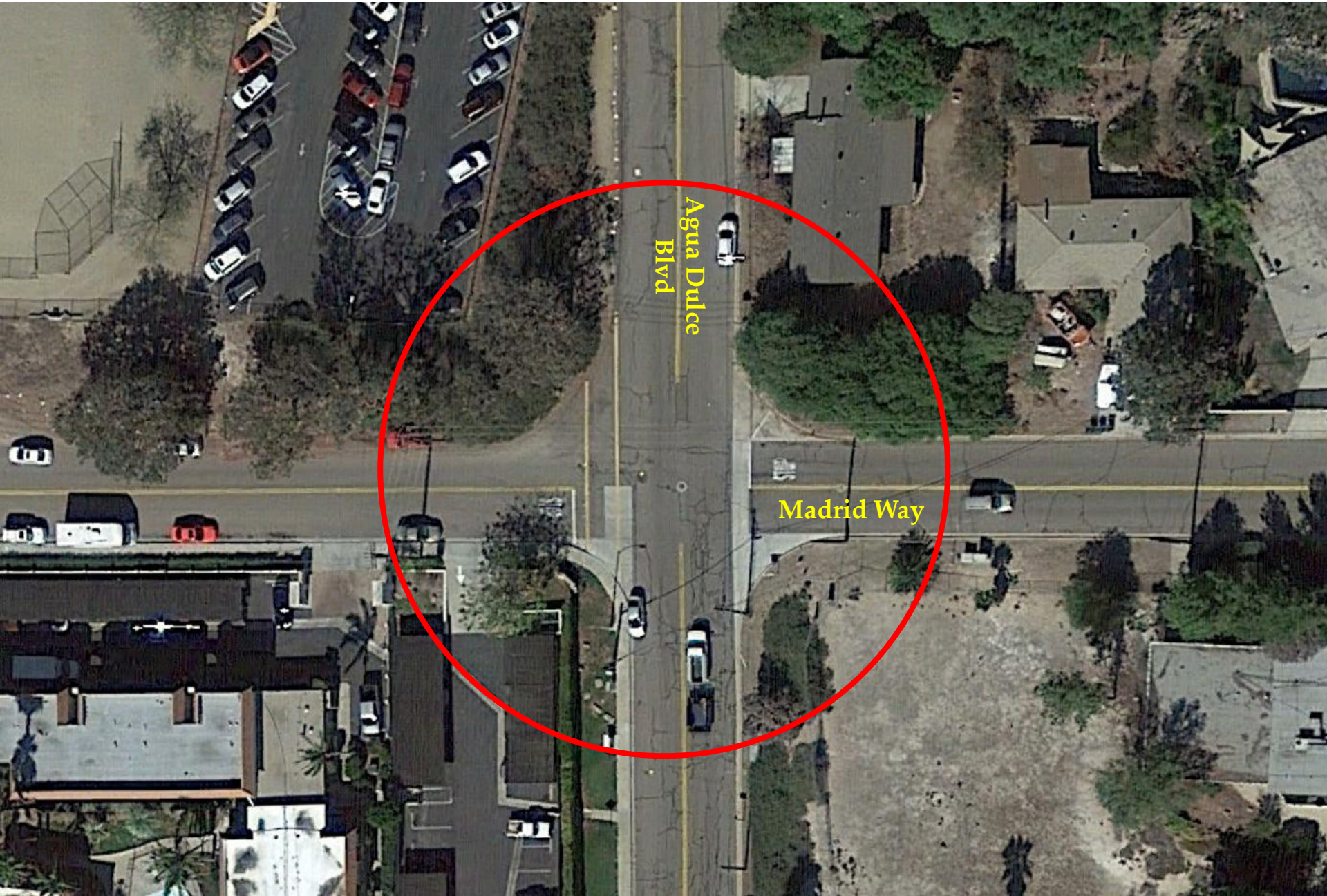
The intersection of Agua Dulce Road and Madrid Way is currently a two-way stop controlled intersection in the eastbound and westbound directions. The posted speed limit is 25 mph along Agua Dulce Boulevard and Madrid Way.

<u>Average Daily Traffic Volumes Approach</u>	<u>05/17 Existing</u>	<u>Existing +Project</u>
Agua Dulce Blvd	1,076 NB 1,025 SB	1,168 NB 1,075 SB
Madrid Way	722 WB 843 EB	741WB 861EB

Collision Data

There were no reported collisions during any 12 month period between 2013 and 2016.

2-F. Agua Dulce Blvd at Madrid Way





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: July 26, 2018
Item Title: All-Way Stop Control
Location: Agua Dulce Boulevard / Madrid Way Intersection
CTE Recommendation: Installation of an All-Way Stop Control
Conditions:

A handwritten signature in black ink, appearing to be "JAO", is written over the "CTE Recommendation" and "Conditions:" lines.

- Section 21354 of the California Vehicle Code authorizes any local authority to designate any intersection under its exclusive jurisdiction as a stop intersection and erect stop signs at one or more entrances thereto.
- 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 B of Section 2B.07 - An All-Way Stop Control may be considered where there is a need to control vehicle and pedestrian conflicts near locations that generate high pedestrian volumes.
- Option C of Section 2B.07 - All-Way Stop Control may be considered at an intersection which lacks corner sight distance.
- Option D of Section 2B.07 - All-Way Stop Control may be considered at an intersection of two residential collectors with similar design and operating characteristics where an all-way stop control would improve traffic operation.
- The installation of an All-Way Stop Control will enhance pedestrian access due to the proximity of the existing Casa De Oro Elementary School (northwest corner) and the proposed charter school to be located at the southeast corner of said intersection.

- The installation of stop controls will enhance the intersection operational lines of sight for westbound traffic looking to the north and eastbound traffic looking to the north and south.
- The installation of stop controls will also enhance the traffic operational characteristics of the intersection since Madrid Way and Agua Dulce Boulevard are both residential collectors with similar design and operating characteristics.
- Therefore, the project was conditioned by the County Planning Commission to install all-way stop controls, including appropriate signing and marking and ADA improvement at said intersection.

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item **5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: San Dieguito Road from San Diego City Limit to El Apajo (0.96 miles) FAIRBANKS RANCH (Thos. Bros. 1188-E1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

San Dieguito Road from San Diego City Limit to El Apajo is posted 50 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

San Dieguito Road is a striped four-lane Through Highway that varies from 60 feet to 78 feet in width. There is a two-way left-turn lane separating both directions of travel. There are bike lanes on both sides of the roadway. The road is classified as a Light Collector on the County General Plan Mobility Element Network and posted 50 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>04/18</u>	<u>08/10</u>
San Dieguito Road:		
S/o El Apajo	14,860	15,600*

*Estimated

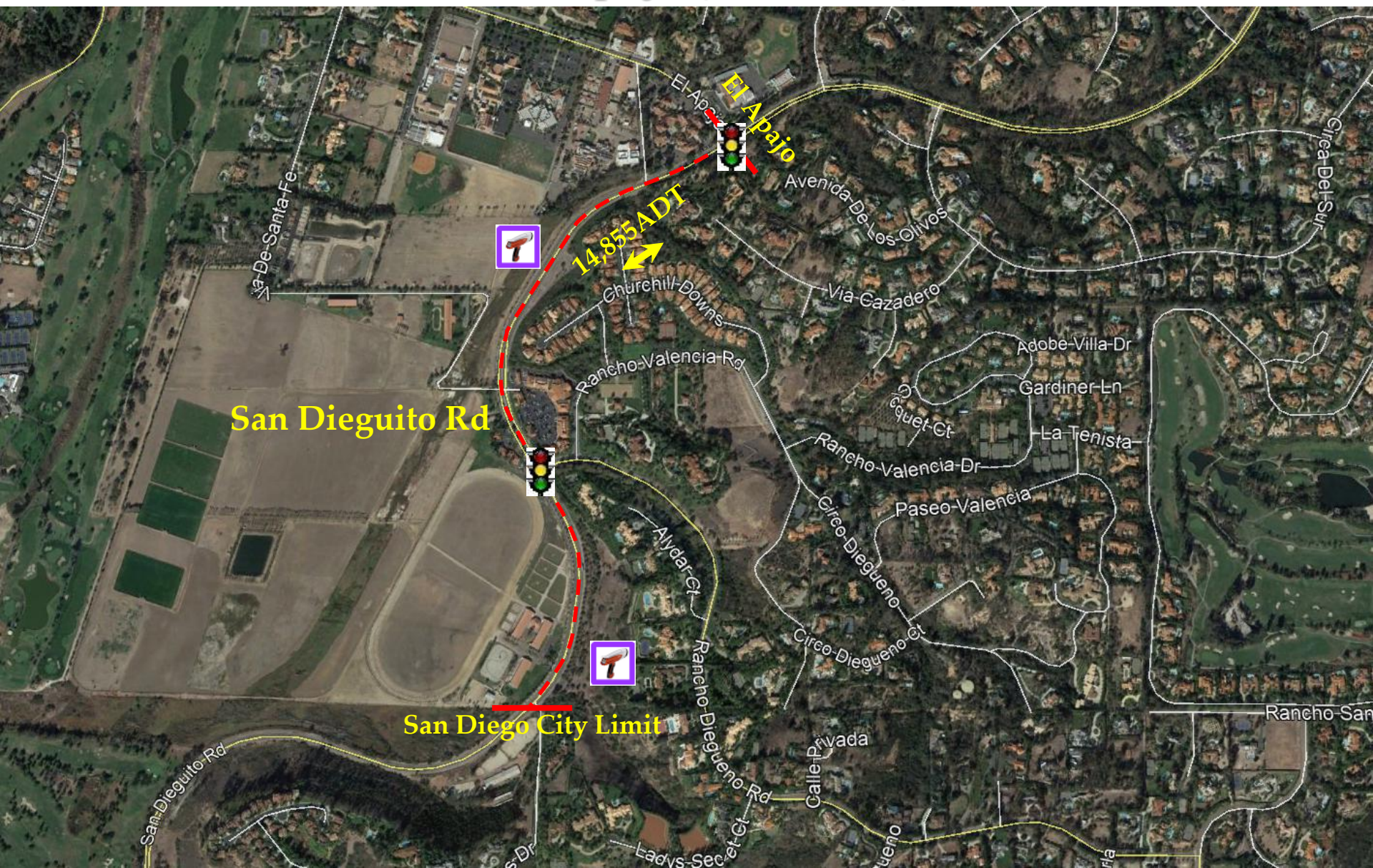
<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
San Dieguito Road:				
360' N/o San Diego CL	(2018)	51.1 MPH	41-50	66.0%
	(2011)	52.1 MPH	46-55	74.0%
1,650' S/o El Apajo	(2018)	46.9 MPH	36-45	62.0%
	(2010)	52.0 MPH	40-49	58.7%
Speed Zone	(2018)	49.0 MPH	39-48	64.0%

Collision Data

There have been 9 reported collisions along this segment of roadway, 5 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). These collisions result in a segment accident rate of 0.35 collisions per million vehicle miles. The statewide average is 0.20 collisions per million vehicle miles for similar suburban undivided 5-6 lanes with speed less than or equal 55 mile per hour.

5-A. Radar Recertification

San Dieguito Rd from San Diego City Limit to El Apajo (0.96 miles)



VOLUME

San Diegoito Rd 900' S/O El Apajo

Day: Tuesday
Date: 4/17/2018City: Fairbanks Ranch
Project #: CA18_4120_009

DAILY TOTALS					NB	SB					EB	WB	Total
					0	0					7,759	7,098	14,857
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	7	3			10		12:00	131	119			250	
00:15	3	1			4		12:15	98	106			204	
00:30	4	0			4		12:30	95	111			206	
00:45	1	2	15	6	3	21	12:45	125	114	449	450	239	899
01:00	4	1			5		13:00	123	94			217	
01:15	0	1			1		13:15	110	94			204	
01:30	0	0			0		13:30	122	86			208	
01:45	0	2	4	4	2	8	13:45	112	79	467	353	191	820
02:00	0	1			1		14:00	154	114			268	
02:15	2	2			4		14:15	145	124			269	
02:30	0	0			0		14:30	187	161			348	
02:45	2	0	4	3	2	7	14:45	187	169	673	568	356	1241
03:00	0	1			1		15:00	191	130			321	
03:15	1	0			1		15:15	242	125			367	
03:30	1	1			2		15:30	199	104			303	
03:45	1	2	3	4	3	7	15:45	219	101	851	460	320	1311
04:00	4	1			5		16:00	188	117			305	
04:15	2	1			3		16:15	219	99			318	
04:30	5	10			15		16:30	204	93			297	
04:45	3	6	14	18	9	32	16:45	210	84	821	393	294	1214
05:00	2	16			18		17:00	207	77			284	
05:15	6	14			20		17:15	262	108			370	
05:30	7	19			26		17:30	272	102			374	
05:45	11	40	26	89	51	115	17:45	260	115	1001	402	375	1403
06:00	23	31			54		18:00	186	83			269	
06:15	25	47			72		18:15	160	72			232	
06:30	38	73			111		18:30	152	73			225	
06:45	56	83	142	234	139	376	18:45	97	67	595	295	164	890
07:00	55	159			214		19:00	88	56			144	
07:15	51	264			315		19:15	88	51			139	
07:30	72	306			378		19:30	68	43			111	
07:45	137	225	315	954	362	1269	19:45	77	39	321	189	116	510
08:00	166	252			418		20:00	72	39			111	
08:15	141	250			391		20:15	47	38			85	
08:30	97	246			343		20:30	47	16			63	
08:45	85	233	489	981	318	1470	20:45	45	20	211	113	65	324
09:00	70	192			262		21:00	43	19			62	
09:15	91	137			228		21:15	51	20			71	
09:30	100	145			245		21:30	27	11			38	
09:45	81	121	342	595	202	937	21:45	28	6	149	56	34	205
10:00	100	111			211		22:00	32	12			44	
10:15	83	105			188		22:15	20	7			27	
10:30	87	100			187		22:30	19	2			21	
10:45	64	112	334	428	176	762	22:45	18	7	89	28	25	117
11:00	93	114			207		23:00	14	0			14	
11:15	101	117			218		23:15	11	1			12	
11:30	120	114			234		23:30	4	2			6	
11:45	95	124	409	469	219	878	23:45	6	3	35	6	9	41
TOTALS			2097	3785	5882		TOTALS			5662	3313	8975	
SPLIT %			35.7%	64.3%	39.6%		SPLIT %			63.1%	36.9%	60.4%	

DAILY TOTALS					NB	SB					EB	WB	Total
					0	0					7,759	7,098	14,857
AM Peak Hour			07:45	07:15	07:30		PM Peak Hour			17:00	14:30	17:00	
AM Pk Volume			541	1047	1549		PM Pk Volume			1001	585	1403	
Pk Hr Factor			0.815	0.855	0.926		Pk Hr Factor			0.920	0.865	0.935	
7 - 9 Volume	0	0	804	1935	2739		4 - 6 Volume	0	0	1822	795	2617	
7 - 9 Peak Hour			07:45	07:15	07:30		4 - 6 Peak Hour			17:00	17:00	17:00	
7 - 9 Pk Volume	0	0	541	1047	1549		4 - 6 Pk Volume	0	0	1001	402	1403	
Pk Hr Factor	0.000	0.000	0.815	0.855	0.926		Pk Hr Factor	0.000	0.000	0.920	0.874	0.935	



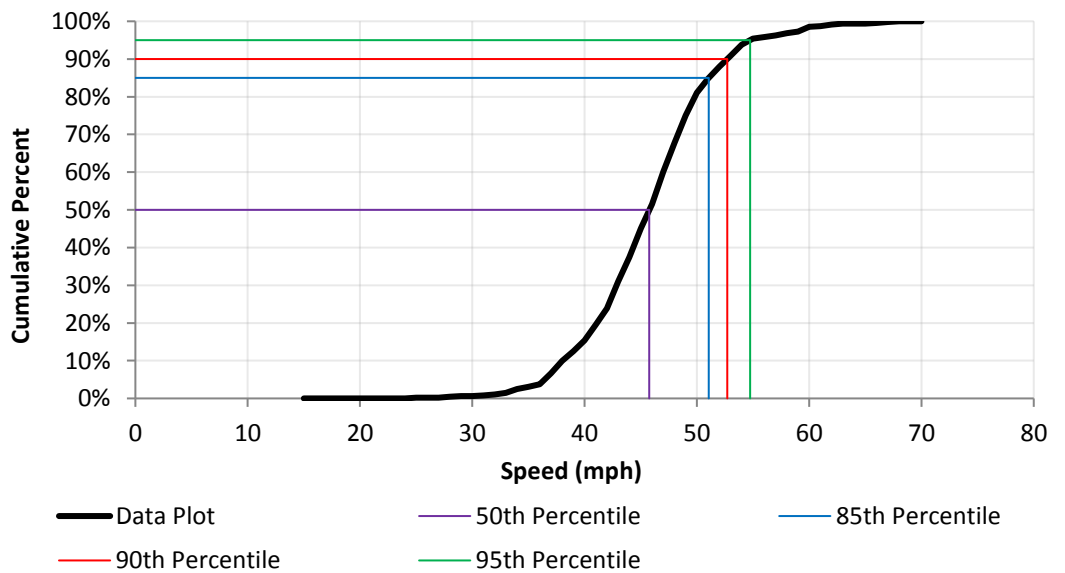
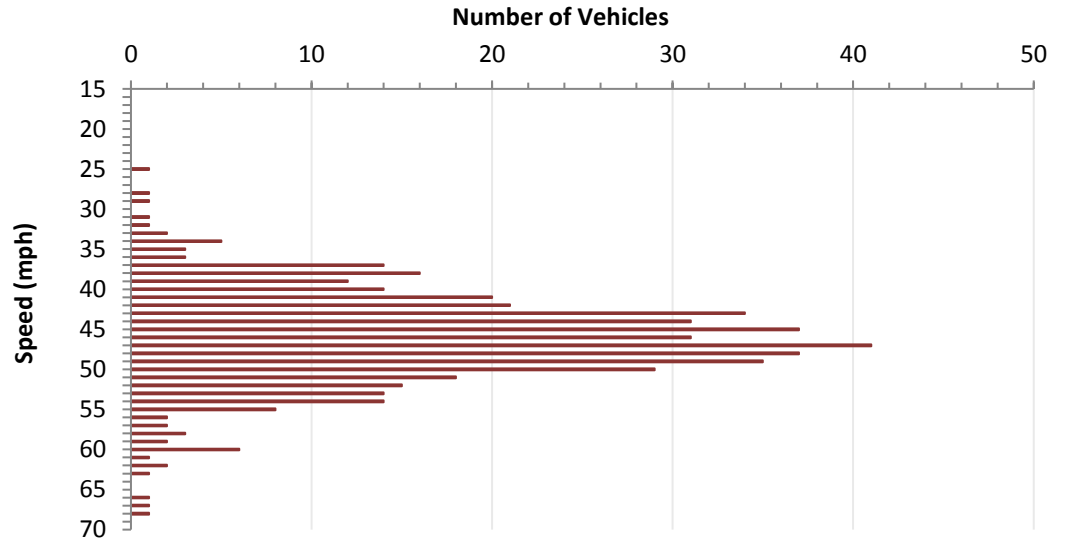
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	San Dieguito Rd	From:	El Apajo	To:	San Diego CL
Position:	360' NO SD CL	Direction:	NB/SB		

Date:	4/4/2018	Weather:	Clear	Project Number:	0
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:00 AM	Posted Speed:	50 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	1	0.2%
26		
27		
28	1	0.4%
29	1	0.6%
30		
31	1	0.8%
32	1	1.0%
33	2	1.5%
34	5	2.5%
35	3	3.1%
36	3	3.7%
37	14	6.7%
38	16	10.0%
39	12	12.5%
40	14	15.4%
41	20	19.5%
42	21	23.9%
43	34	31.0%
44	31	37.4%
45	37	45.1%
46	31	51.6%
47	41	60.1%
48	37	67.8%
49	35	75.1%
50	29	81.1%
51	18	84.8%
52	15	87.9%
53	14	90.9%
54	14	93.8%
55	8	95.4%
56	2	95.8%
57	2	96.3%
58	3	96.9%
59	2	97.3%
60	6	98.5%
61	1	98.8%
62	2	99.2%
63	1	99.4%
64		
65		
66	1	99.6%
67	1	99.8%
68	1	100.0%
69		
70		
Total	481	



DATA ANALYSIS

Average Speed	46.1	Range	25 - 68
50th Percentile	45.8	10 mph Pace	41 - 50
85th Percentile	51.1	Number in Pace	316
90th Percentile	52.7	Percent in Pace	66%
95th Percentile	54.7		



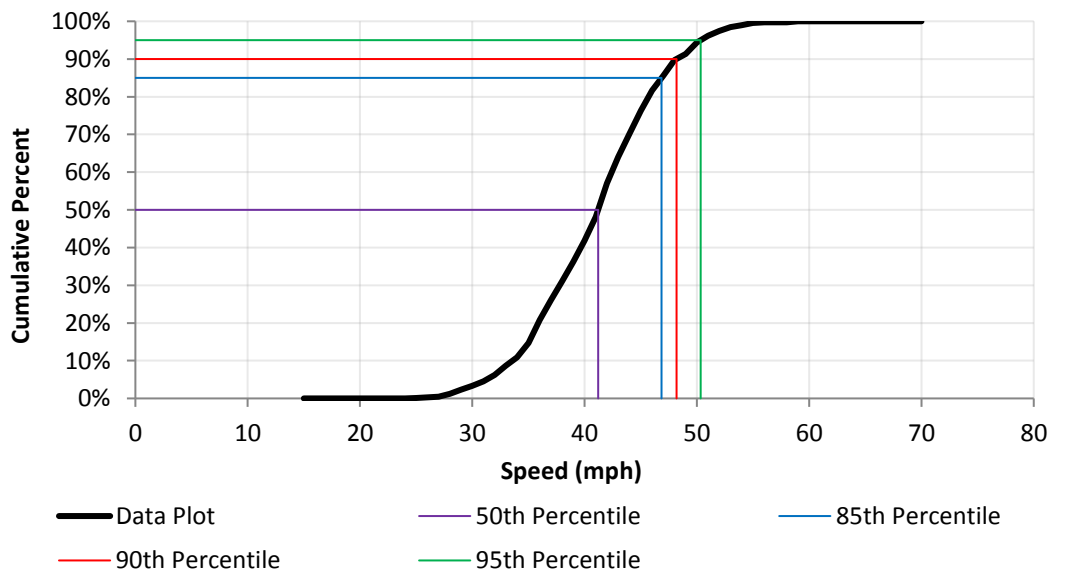
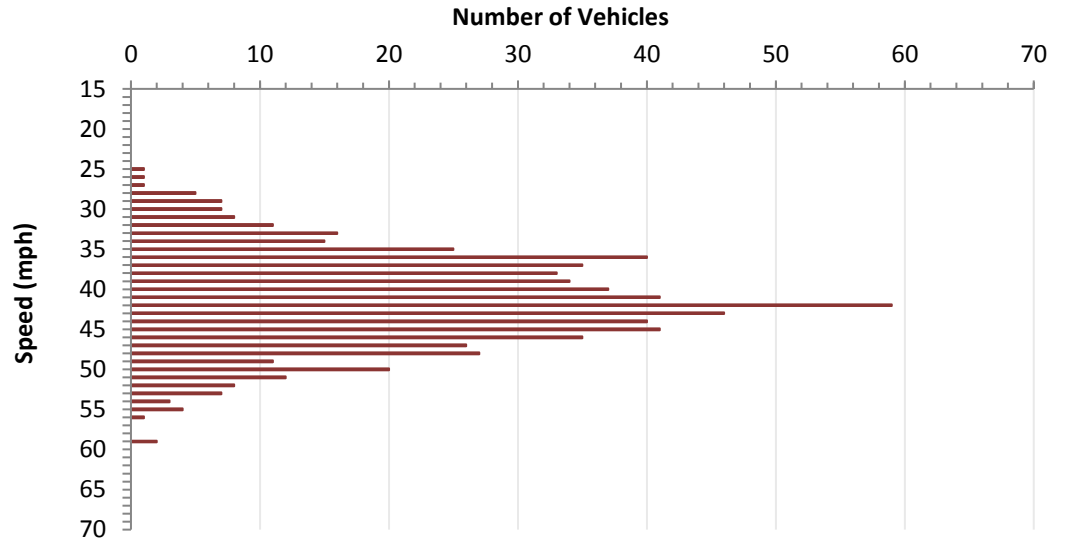
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	San Dieguito Rd	From:	El Apajo	To:	San Diego CL
Position:	1,650' S/O El Apajo	Direction:	NB/SB		

Date:	4/4/2018	Weather:	Clear	Project Number:	0
Time Start:	11:10 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	1:10 PM	Posted Speed:	50 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25	1	0.2%
26	1	0.3%
27	1	0.5%
28	5	1.2%
29	7	2.3%
30	7	3.3%
31	8	4.6%
32	11	6.2%
33	16	8.6%
34	15	10.9%
35	25	14.7%
36	40	20.8%
37	35	26.1%
38	33	31.1%
39	34	36.3%
40	37	41.9%
41	41	48.1%
42	59	57.1%
43	46	64.0%
44	40	70.1%
45	41	76.3%
46	35	81.6%
47	26	85.6%
48	27	89.7%
49	11	91.4%
50	20	94.4%
51	12	96.2%
52	8	97.4%
53	7	98.5%
54	3	98.9%
55	4	99.5%
56	1	99.7%
57		
58		
59	2	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	659	



DATA ANALYSIS

Average Speed	41.4	Range	25 - 59
50th Percentile	41.2	10 mph Pace	36 - 45
85th Percentile	46.9	Number in Pace	406
90th Percentile	48.2	Percent in Pace	62%
95th Percentile	50.3		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 27, 2018

Item **5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Via de Santa Fe from Calzada del Bosque to Via de la Valle (0.64 miles) RANCHO SANTA FE (Thos. Bros. 1168-E5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Via de Santa Fe from Calzada del Bosque to Via de la Valle is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Via de Santa Fe is a striped two-lane roadway that varies from 25 feet to 30 feet in width. There is edge-striping on both sides of the roadway. The road is unclassified on Collector on the County General Plan Mobility Element Network and posted 40 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>04/18</u>	<u>04/10</u>
Via de Santa Fe:		
N/o Calzada del Bosque	9,940	11,000*

*Estimated

<u>Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Via de Santa Fe:			
120' N/o El Sicomoro St (2018)	40.9 MPH	31-40	70.0%
(2010)	38.0 MPH	30-39	75.3%

Collision Data

There have been 9 reported collisions along this segment of roadway, 6 of which involved injury, in a 5 year period (5-1-13 to 4-30-18). These collisions result in a segment accident rate of 0.78 collisions per million vehicle miles. The statewide average is 2.39 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 mile per hour.

VOLUME

Via De Santa Fe 300' N/O Calzada Del Bosque

Day: Tuesday
Date: 4/17/2018City: Rancho Santa Fe
Project #: CA18_4120_005

DAILY TOTALS					NB	SB	EB					WB	Total	
					5,447	4,493						0		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	5	4			9		12:00	98	70			168		
00:15	2	0			2		12:15	66	59			125		
00:30	1	0			1		12:30	65	62			127		
00:45	1	9	0	4	1	13	12:45	91	320	54	245	145	565	
01:00	2	0			2		13:00	82	55			137		
01:15	0	0			0		13:15	80	74			154		
01:30	0	0			0		13:30	93	56			149		
01:45	0	2	1	1	1	3	13:45	81	336	70	255	151	591	
02:00	0	0			0		14:00	99	66			165		
02:15	0	0			0		14:15	113	76			189		
02:30	1	0			1		14:30	122	91			213		
02:45	1	2	0		1	2	14:45	145	479	87	320	232	799	
03:00	0	2			2		15:00	150	90			240		
03:15	2	0			2		15:15	140	104			244		
03:30	0	1			1		15:30	159	86			245		
03:45	0	2	2	5	2	7	15:45	141	590	86	366	227	956	
04:00	1	1			2		16:00	150	85			235		
04:15	2	0			2		16:15	171	96			267		
04:30	3	8			11		16:30	158	79			237		
04:45	2	8	4	13	6	21	16:45	148	627	99	359	247	986	
05:00	1	11			12		17:00	147	101			248		
05:15	4	19			23		17:15	136	78			214		
05:30	5	21			26		17:30	188	73			261		
05:45	9	19	30	81	39	100	17:45	137	608	77	329	214	937	
06:00	7	17			24		18:00	104	44			148		
06:15	19	35			54		18:15	111	61			172		
06:30	26	79			105		18:30	84	31			115		
06:45	43	95	103	234	146	329	18:45	55	354	47	183	102	537	
07:00	43	106			149		19:00	49	33			82		
07:15	69	165			234		19:15	52	35			87		
07:30	84	145			229		19:30	47	14			61		
07:45	82	278	117	533	199	811	19:45	30	178	28	110	58	288	
08:00	138	154			292		20:00	29	17			46		
08:15	99	132			231		20:15	27	19			46		
08:30	133	104			237		20:30	25	12			37		
08:45	117	487	109	499	226	986	20:45	25	106	12	60	37	166	
09:00	78	98			176		21:00	14	12			26		
09:15	68	75			143		21:15	26	15			41		
09:30	79	77			156		21:30	16	11			27		
09:45	71	296	78	328	149	624	21:45	12	68	9	47	21	115	
10:00	61	55			116		22:00	11	7			18		
10:15	80	52			132		22:15	11	3			14		
10:30	80	58			138		22:30	5	5			10		
10:45	67	288	79	244	146	532	22:45	4	31	3	18	7	49	
11:00	59	69			128		23:00	5	2			7		
11:15	61	68			129		23:15	2	2			4		
11:30	69	59			128		23:30	4	1			5		
11:45	62	251	56	252	118	503	23:45	2	13	2	7	4	20	
TOTALS	1737	2194			3931		TOTALS	3710	2299			6009		
SPLIT %	44.2%	55.8%			39.5%		SPLIT %	61.7%	38.3%			60.5%		

DAILY TOTALS				NB	SB					EB	WB					Total
				5,447	4,493					0	0					9,940
AM Peak Hour	08:00	07:15			08:00		PM Peak Hour	16:00	16:15			16:15				
AM Pk Volume	487	581			986		PM Pk Volume	627	375			999				
Pk Hr Factor	0.882	0.880			0.844		Pk Hr Factor	0.917	0.928			0.935				
7 - 9 Volume	765	1032	0	0	1797		4 - 6 Volume	1235	688	0	0	1923				
7 - 9 Peak Hour	08:00	07:15			08:00		4 - 6 Peak Hour	16:00	16:15			16:15				
7 - 9 Pk Volume	487	581	0	0	986		4 - 6 Pk Volume	627	375	0	0	999				
Pk Hr Factor	0.882	0.880	0.000	0.000	0.844		Pk Hr Factor	0.917	0.928	0.000	0.000	0.935				



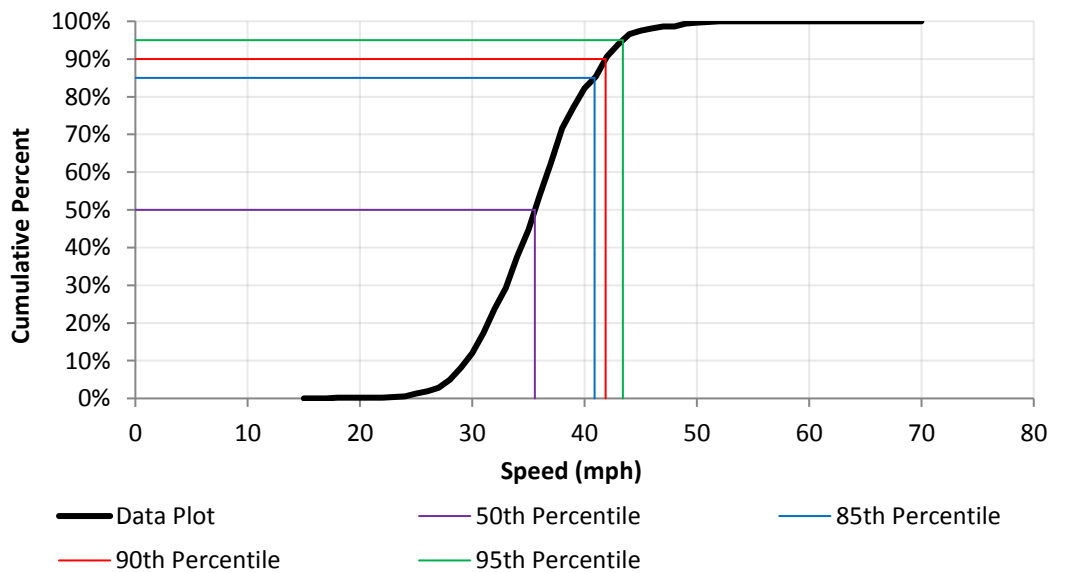
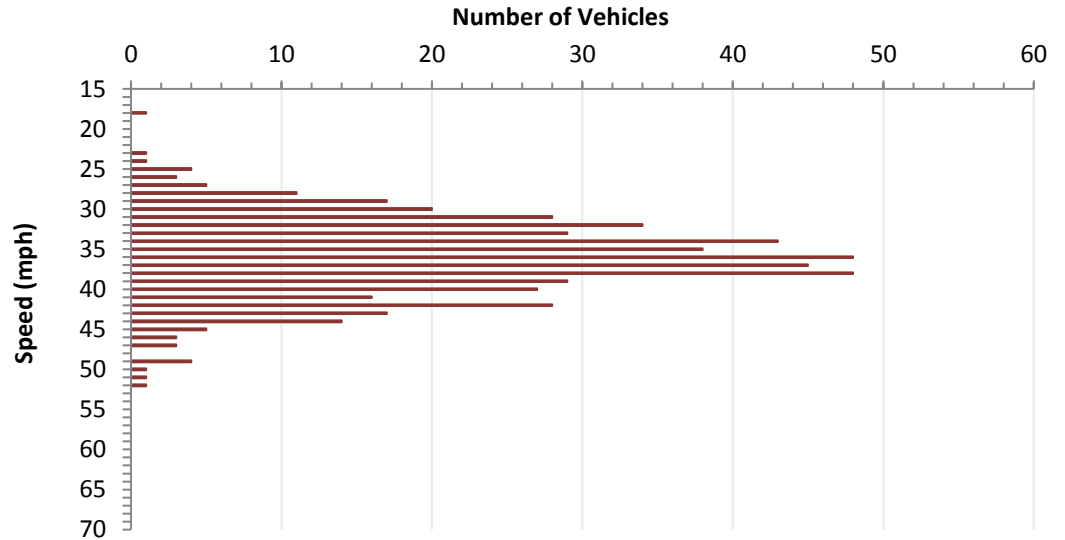
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Via De Santa Fe	From:	Via De La Valle	To:	Calzada Del Bosque
Position:	120' NO El Sicomoro	Direction:	NB/SB		

Date:	4/4/2018	Weather:	Clear	Project Number:	0
Time Start:	1:20 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	3:20 PM	Posted Speed:	40 mph	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18	1	0.2%
19		
20		
21		
22		
23	1	0.4%
24	1	0.6%
25	4	1.3%
26	3	1.9%
27	5	2.9%
28	11	5.0%
29	17	8.2%
30	20	12.0%
31	28	17.3%
32	34	23.8%
33	29	29.3%
34	43	37.5%
35	38	44.8%
36	48	53.9%
37	45	62.5%
38	48	71.6%
39	29	77.1%
40	27	82.3%
41	16	85.3%
42	28	90.7%
43	17	93.9%
44	14	96.6%
45	5	97.5%
46	3	98.1%
47	3	98.7%
48		
49	4	99.4%
50	1	99.6%
51	1	99.8%
52	1	100.0%
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	525	



DATA ANALYSIS

Average Speed	36.1	Range	18 - 52
50th Percentile	35.6	10 mph Pace	31 - 40
85th Percentile	40.9	Number in Pace	369
90th Percentile	41.9	Percent in Pace	70%
95th Percentile	43.4		