

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

January 26, 2018 ~ 9:00 AM

5510 Overland Ave, Room 271

San Diego CA, 92123

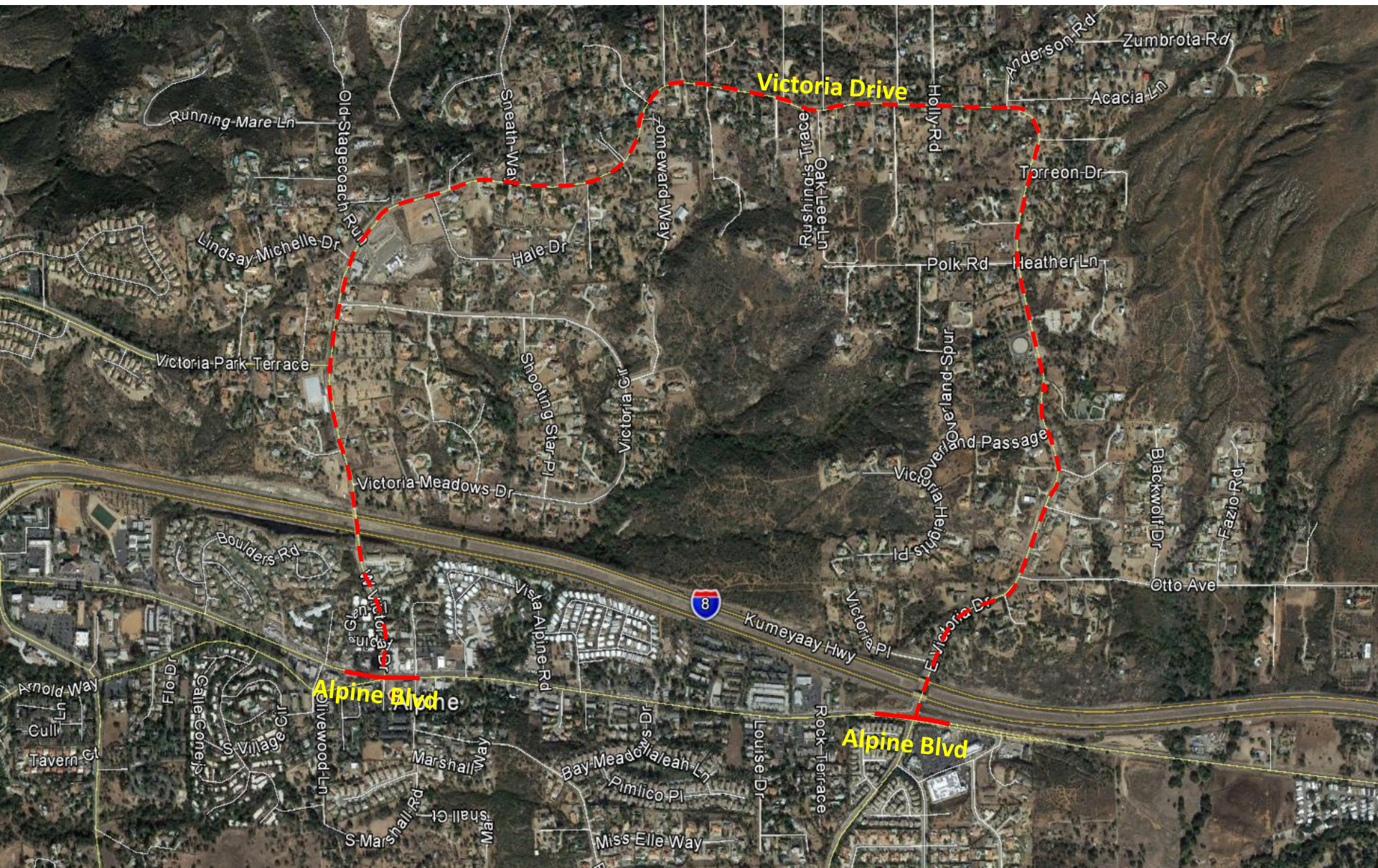
AGENDA

- 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	VICTORIA DR	ALPINE	APINE
<u>SUPERVISORIAL DISTRICT 3</u>			
3-A. SPEED LIMIT/ RADAR CERTIFICATION	LOMAS SANTA FE DR/ LINEA DEL CIELO	RANCHO SANTA FE	SAN DIEGUITO
3-B. RADAR RECERTIFICATION	RANCHO BERNARDO RD	4S RANCH	SAN DIEGUITO
3-C. RADAR RECERTIFICATION	ALVA RD	4S RANCH	SAN DIEGUITO
<u>SUPERVISORIAL DISTRICT 5</u>			
5-A. RADAR RECERTIFICATION	WOODS VALLEY RD	VALLEY CENTER	VALLEY CENTER
5-B. SPEED LIMIT/ RADAR CERTIFICATION	GIRD RD	FALLBROOK	FALLBROOK
5-C. SPEED LIMIT/ RADAR CERTIFICATION	GIRD RD	FALLBROOK	FALLBROOK

2-A. Radar Recertification

Victoria Drive Between the East and West Intersections with Alpine Blvd (3.01 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018

Item **2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Victoria Drive between the east and west intersections with Alpine Boulevard (3.01 miles) ALPINE (Thos. Bros. 1234 B-6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Victoria Drive is a striped two-lane Through Highway that varies from 21 feet to 64 feet in width. There is edge-striping on both sides of the roadway. The road is classified as a Light Collector Road on the County General Plan Mobility Element Network. The road is posted 40 MPH/Radar Certified.

Average Daily Traffic Volumes 06/17 01/11

Victoria Drive:

N/o Victoria Park Terrace	2,720	3,320
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Speed Data 85th Percentile 10 MPH Pace % in Pace

Victoria Drive:

230' N/o Victoria	(2017)	42.9 MPH	35-44	86.0%
Park Terrace	(2011)	45.2 MPH	33-42	65.2%

1,210' W/o Mile Post 2	(2017)	41.7 MPH	33-42	88.0%
	(2011)	40.3 MPH	30-39	74.7%

Speed Zone	(2017)	42.3 MPH	34-43	87.0%
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Collision Data

There have been 30 reported collisions along this segment of roadway, 10 of which involved injury, in a five year period (9-1-12 to 8-31-17). These collisions result in a segment accident rate of 2.01 collisions per million vehicle miles. The statewide average is 2.39 collisions per million vehicle miles for similar suburban 2-lane roads with speeds less than 45 mile per hour.

VOLUME

Victoria Dr N/O Victoria Park Terrace

Day: Thursday
Date: 6/22/2017City: Alpine
Project #: CA17_4190_002

DAILY TOTALS					NB	SB						EB	WB						Total
					1,375	1,347						0	0						2,722
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							
00:00	5	1			6		12:00	22	19			41							
00:15	3	2			5		12:15	15	9			24							
00:30	1	0			1		12:30	17	16			33							
00:45	7	16	2	5	9	21	12:45	18	72	24	68	42	140						
01:00	0	0			0		13:00	19	15			34							
01:15	5	1			6		13:15	25	14			39							
01:30	1	0			1		13:30	21	19			40							
01:45	2	8	5	6	7	14	13:45	17	82	18	66	35	148						
02:00	0	2			2		14:00	22	12			34							
02:15	1	1			2		14:15	25	18			43							
02:30	1	0			1		14:30	25	16			41							
02:45	1	3	0	3	1	6	14:45	21	93	14	60	35	153						
03:00	0	1			1		15:00	19	21			40							
03:15	0	2			2		15:15	29	19			48							
03:30	0	3			3		15:30	22	21			43							
03:45	1	1	4	10	5	11	15:45	34	104	30	91	64	195						
04:00	2	6			8		16:00	24	11			35							
04:15	0	4			4		16:15	30	16			46							
04:30	0	10			10		16:30	33	19			52							
04:45	1	3	5	25	6	28	16:45	37	124	26	72	63	196						
05:00	2	17			19		17:00	38	19			57							
05:15	3	24			27		17:15	30	21			51							
05:30	3	23			26		17:30	34	22			56							
05:45	3	11	12	76	15	87	17:45	33	135	12	74	45	209						
06:00	3	23			26		18:00	30	14			44							
06:15	9	30			39		18:15	28	17			45							
06:30	7	30			37		18:30	24	11			35							
06:45	7	26	29	112	36	138	18:45	28	110	13	55	41	165						
07:00	9	23			32		19:00	29	15			44							
07:15	10	18			28		19:15	27	9			36							
07:30	8	27			35		19:30	32	14			46							
07:45	23	50	30	98	53	148	19:45	24	112	8	46	32	158						
08:00	16	39			55		20:00	16	10			26							
08:15	7	29			36		20:15	14	17			31							
08:30	18	36			54		20:30	23	6			29							
08:45	11	52	33	137	44	189	20:45	15	68	6	39	21	107						
09:00	18	27			45		21:00	17	2			19							
09:15	14	23			37		21:15	19	5			24							
09:30	15	23			38		21:30	15	7			22							
09:45	17	64	25	98	42	162	21:45	11	62	2	16	13	78						
10:00	16	26			42		22:00	10	3			13							
10:15	12	27			39		22:15	7	5			12							
10:30	17	28			45		22:30	12	1			13							
10:45	20	65	15	96	35	161	22:45	7	36	2	11	9	47						
11:00	15	18			33		23:00	3	1			4							
11:15	16	19			35		23:15	5	5			10							
11:30	17	16			33		23:30	3	1			4							
11:45	16	64	21	74	37	138	23:45	3	14	2	9	5	23						
TOTALS	363	740			1103		TOTALS	1012	607			1619							
SPLIT %	32.9%	67.1%			40.5%		SPLIT %	62.5%	37.5%			59.5%							

DAILY TOTALS					NB	SB						EB	WB						Total
					1,375	1,347						0	0						2,722
AM Peak Hour	11:15	08:00			07:45		PM Peak Hour	16:45	15:00			16:45							
AM Pk Volume	71	137			198		PM Pk Volume	139	91			227							
Pk Hr Factor	0.807	0.878			0.900		Pk Hr Factor	0.914	0.758			0.901							
7 - 9 Volume	102	235	0	0	337		4 - 6 Volume	259	146	0	0	405							
7 - 9 Peak Hour	07:45	08:00			07:45		4 - 6 Peak Hour	16:45	16:45			16:45							
7 - 9 Pk Volume	64	137	0	0	198		4 - 6 Pk Volume	139	88	0	0	227							
Pk Hr Factor	0.696	0.878	0.000	0.000	0.900		Pk Hr Factor	0.914	0.846	0.000	0.000	0.901							

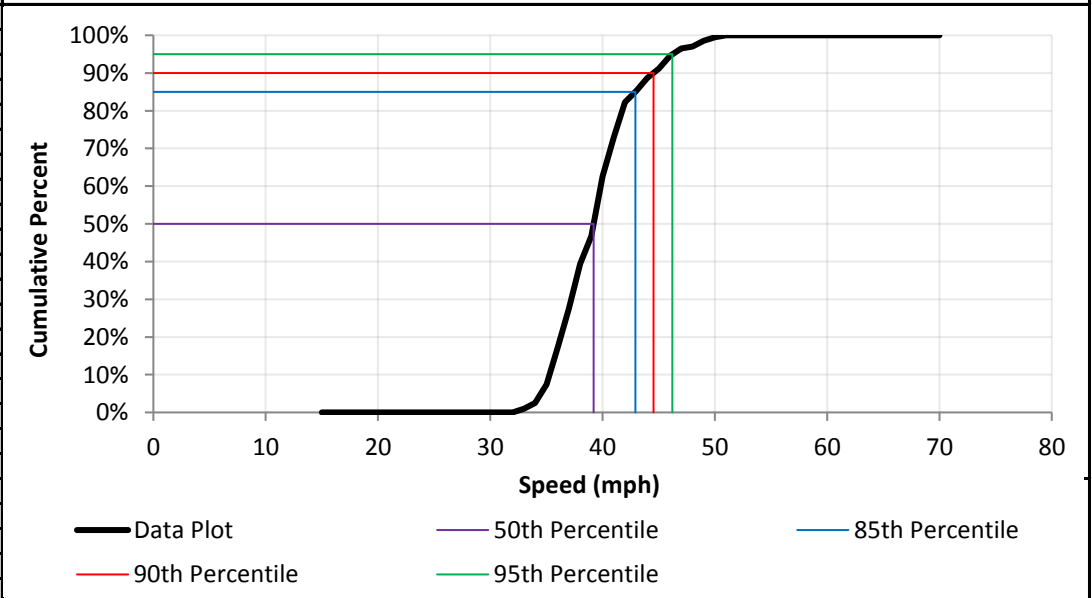
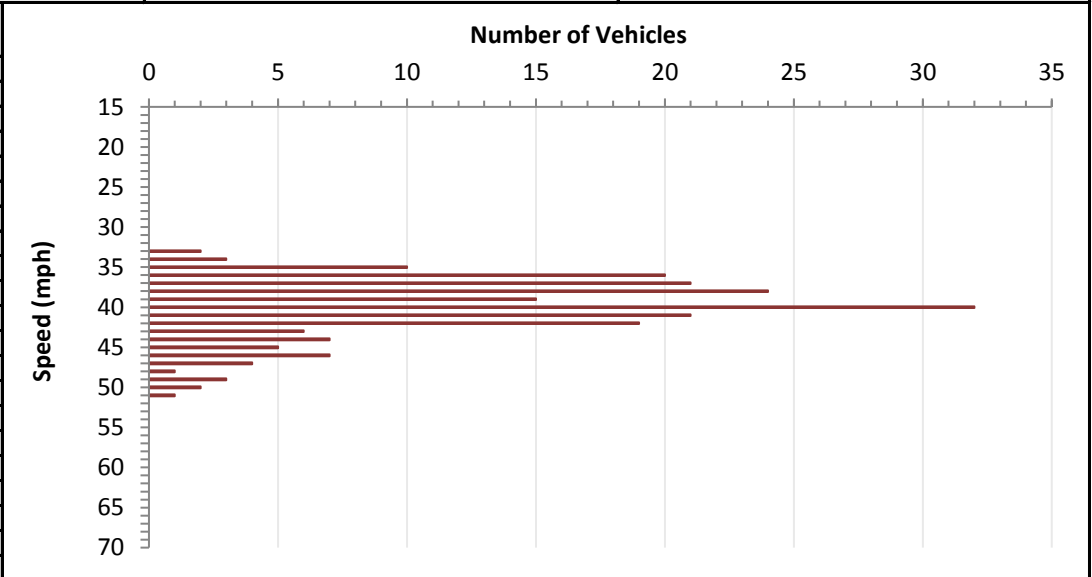


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Victoria Drive	From:	Alpine Blvd/Arnold Way	To:	Alpine Blvd/S. Grade Rd
Position:	230' N/o Victoria Park Terrace	Direction:	EB/WB		
Date:	5/24/2017	Weather:	Clear	Project Number:	0
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	1.0%
34	3	2.5%
35	10	7.4%
36	20	17.2%
37	21	27.6%
38	24	39.4%
39	15	46.8%
40	32	62.6%
41	21	72.9%
42	19	82.3%
43	6	85.2%
44	7	88.7%
45	5	91.1%
46	7	94.6%
47	4	96.6%
48	1	97.0%
49	3	98.5%
50	2	99.5%
51	1	100.0%
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	203	



DATA ANALYSIS

Average Speed	39.9	Range	33 - 51
50th Percentile	39.2	10 mph Pace	35 - 44
85th Percentile	42.9	Number in Pace	175
90th Percentile	44.5	Percent in Pace	86%
95th Percentile	46.2		

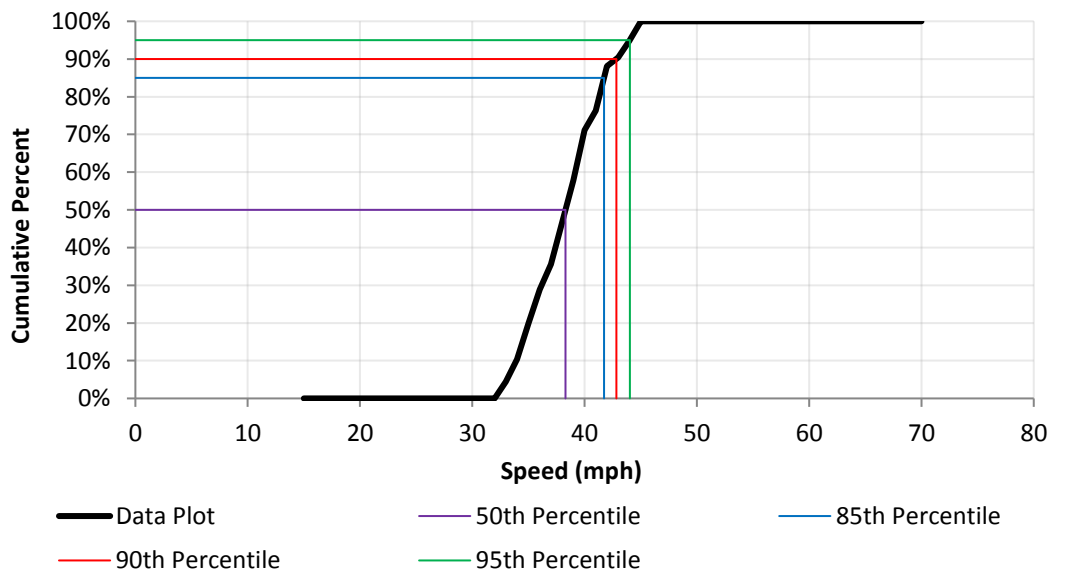
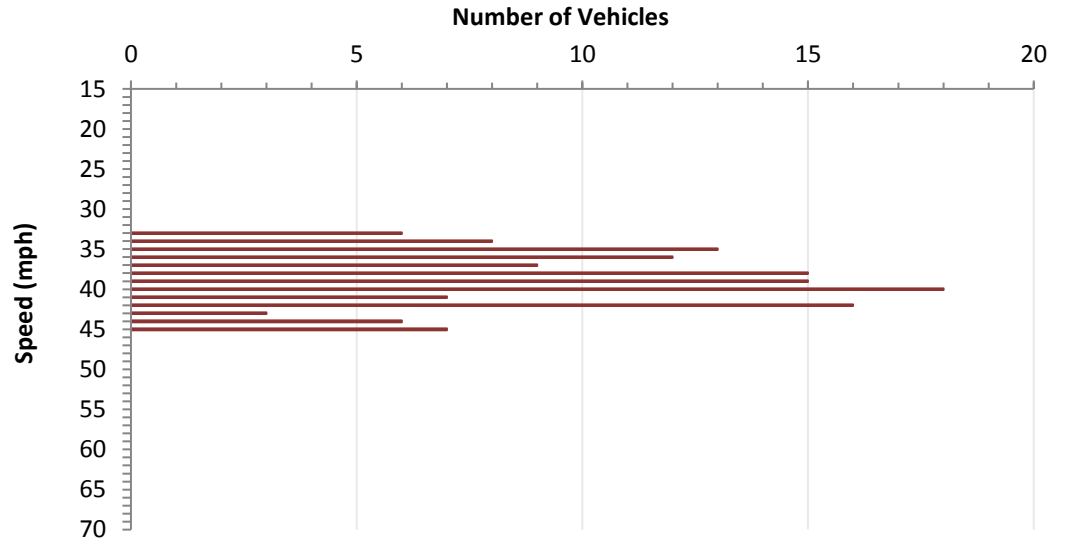


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Victoria Drive	From:	Alpine Blvd/Arnold Way	To:	Alpine Blvd/S. Grade Rd
Position:	1,210' W/o Mile Post 2	Direction:	EB/WB		
Date:	5/31/2017	Weather:	Clear	Project Number:	0
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	6	4.4%
34	8	10.4%
35	13	20.0%
36	12	28.9%
37	9	35.6%
38	15	46.7%
39	15	57.8%
40	18	71.1%
41	7	76.3%
42	16	88.1%
43	3	90.4%
44	6	94.8%
45	7	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	135	

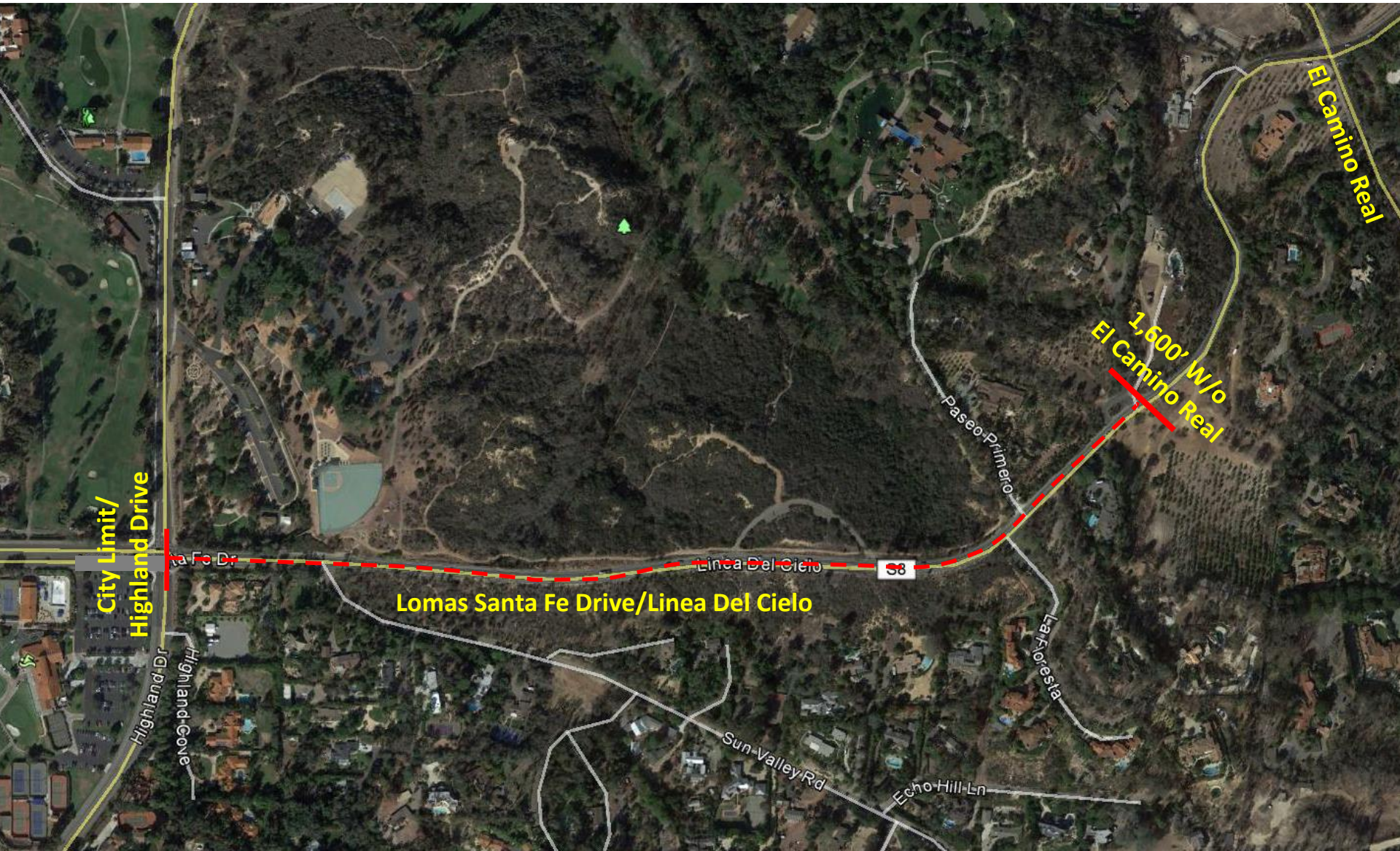


DATA ANALYSIS

Average Speed	38.8	Range	33 - 45
50th Percentile	38.3	10 mph Pace	33 - 42
85th Percentile	41.7	Number in Pace	119
90th Percentile	42.8	Percent in Pace	88%
95th Percentile	44.0		

3-A. Speed Limit/Radar Certification

Lomas Santa Fe Drive/Linea Del Cielo from the Solana Beach City Limit (near Highland Dr) to 1,600' West of El Camino Real (0.65 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018 **Item 3-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Speed Limit and Radar Certification

LOCATION: Lomas Santa Fe Drive/Linea Del Cielo from the Solana Beach City Limit (near Highland Drive) easterly to 1,600 feet west of El Camino Real (0.65 miles) RANCHO SANTA FE (Thos. Bros. 1167 J-6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Speed Limit and Radar Certification

PROBLEM AS STATED BY REQUESTER:

Lomas Santa Fe Drive/Linea Del Cielo from the Solana Beach City Limit (near Highland Drive) to 1,600 feet west of El Camino Real has a posted 50 MPH speed limit. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 45 MPH.

Existing Traffic Devices

Lomas Santa Fe Drive/Linea Del Cielo is a striped two-lane Through Highway that varies from 29 feet to 50 feet in width. There is edge-striping along both sides of the roadway. There are all-way stop control at the intersection of Highland Drive and a multi-use trail crossing at the intersection of Sun Valley Road. The road is posted 50 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volume

	<u>6/16</u>	<u>3/10</u>
Lomas Santa Fe Dr/Linea Del Cielo:		
375' E/o Sun Valley Road	8,450	7,490

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Lomas Santa Fe Dr/Linea Del Cielo:				
200' W/o Sun Valley Rd	(2017)	39.2 MPH	31-40	82.0%
2,100' E/o Sun Valley Rd	(2017)	51.6 MPH	43-52	78.0%
Speed Zone	(2017)	45.4 MPH	37-46	80.0%

Collision Data

There have been 4 reported collisions along this segment of roadway, 3 of which involved injury, in a three year period (09-01-14 to 08-31-17). These collisions result in a segment accident rate of 0.50 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2-lane roads with speeds between 45 and 50 mile per hour.

VOLUME

Linea Del Cielo 375' E/O Sun Valley Rd

Day: Tuesday
Date: 6/14/2016

City: Rancho Santa Fe
Project #: CA16_4175_004

DAILY TOTALS					NB	SB						EB	WB	Total	
					0	0						4,090	4,356	8,446	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL			
00:00	0	0	8	3	11		12:00	0	0	67	94	161			
00:15	0	0	3	2	5		12:15	0	0	79	75	154			
00:30	0	0	9	2	11		12:30	0	0	70	67	137			
00:45	0	0	3	23	3	10	12:45	0	0	75	291	66	302	141	593
01:00	0	0	1	2	3		13:00	0	0	76	69	145			
01:15	0	0	1	1	2		13:15	0	0	72	63	135			
01:30	0	0	0	2	2		13:30	0	0	75	70	145			
01:45	0	0	1	3	0	5	13:45	0	0	76	299	85	287	161	586
02:00	0	0	0	0			14:00	0	0	83	70	153			
02:15	0	0	0	0			14:15	0	0	105	75	180			
02:30	0	0	0	0			14:30	0	0	89	84	173			
02:45	0	0	0	1	1	1	14:45	0	0	92	369	76	305	168	674
03:00	0	0	1	0	1		15:00	0	0	87	90	177			
03:15	0	0	1	1	2		15:15	0	0	76	96	172			
03:30	0	0	0	0			15:30	0	0	94	100	194			
03:45	0	0	0	2	1	2	15:45	0	0	93	350	77	363	170	713
04:00	0	0	1	1	2		16:00	0	0	75	81	156			
04:15	0	0	0	3	3		16:15	0	0	98	68	166			
04:30	0	0	4	2	6		16:30	0	0	103	78	181			
04:45	0	0	2	7	7	13	16:45	0	0	103	379	65	292	168	671
05:00	0	0	1	9	10		17:00	0	0	92	98	190			
05:15	0	0	7	13	20		17:15	0	0	114	79	193			
05:30	0	0	4	12	16		17:30	0	0	103	75	178			
05:45	0	0	11	23	19	53	17:45	0	0	92	401	92	344	184	745
06:00	0	0	13	18	31		18:00	0	0	79	80	159			
06:15	0	0	25	41	66		18:15	0	0	86	77	163			
06:30	0	0	48	56	104		18:30	0	0	60	45	105			
06:45	0	0	56	142	64	179	18:45	0	0	52	277	43	245	95	522
07:00	0	0	44	68	112		19:00	0	0	55	38	93			
07:15	0	0	50	81	131		19:15	0	0	56	36	92			
07:30	0	0	49	96	145		19:30	0	0	35	39	74			
07:45	0	0	42	185	88	333	19:45	0	0	35	181	26	139	61	320
08:00	0	0	48	90	138		20:00	0	0	26	21	47			
08:15	0	0	60	88	148		20:15	0	0	33	23	56			
08:30	0	0	48	80	128		20:30	0	0	30	19	49			
08:45	0	0	61	217	108	366	20:45	0	0	41	130	22	85	63	215
09:00	0	0	50	83	133		21:00	0	0	22	12	34			
09:15	0	0	60	88	148		21:15	0	0	30	13	43			
09:30	0	0	38	91	129		21:30	0	0	19	9	28			
09:45	0	0	44	192	85	347	21:45	0	0	22	93	13	47	35	140
10:00	0	0	41	74	115		22:00	0	0	21	11	32			
10:15	0	0	77	63	140		22:15	0	0	18	10	28			
10:30	0	0	53	76	129		22:30	0	0	17	6	23			
10:45	0	0	47	218	82	295	22:45	0	0	10	66	7	34	17	100
11:00	0	0	53	66	119		23:00	0	0	11	6	17			
11:15	0	0	47	64	111		23:15	0	0	13	4	17			
11:30	0	0	44	82	126		23:30	0	0	4	1	5			
11:45	0	0	66	210	84	296	23:45	0	0	4	32	2	13	6	45
TOTALS			1222	1900	3122		TOTALS			2868	2456	5324			
SPLIT %			39.1%	60.9%	37.0%		SPLIT %			53.9%	46.1%	63.0%			

DAILY TOTALS			NB	SB	EB			WB			Total			
			0	0							4,090	4,356	8,446	
AM Peak Hour			11:45	08:45	11:45	PM Peak Hour			16:30	15:00	17:00			
AM Pk Volume			282	370	602	PM Pk Volume			401	363	745			
Pk Hr Factor			0.496	0.856	0.483	Pk Hr Factor			0.879	0.815	0.965			
7 - 9 Volume			0	0	402	699	1101	4 - 6 Volume		0	0	780	636	1416
7 - 9 Peak Hour			08:00		08:00	08:00	4 - 6 Peak Hour		16:30		17:00	17:00		
7 - 9 Pk Volume			0	0	217	366	583	4 - 6 Pk Volume		0	0	412	344	745
Pk Hr Factor			0.000	0.000	0.889	0.847	0.862	Pk Hr Factor		0.000	0.000	0.904	0.878	0.965

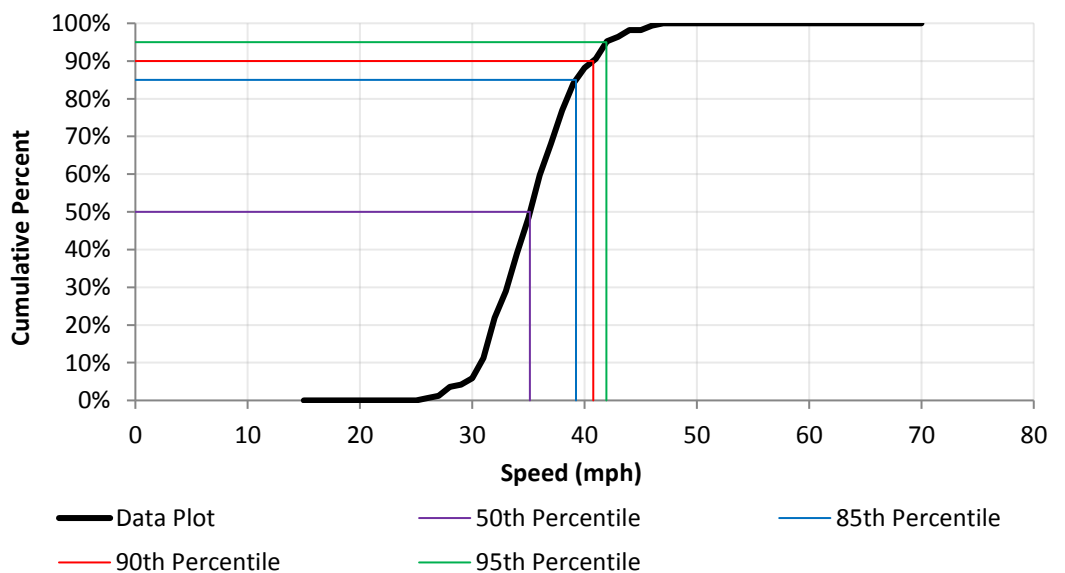
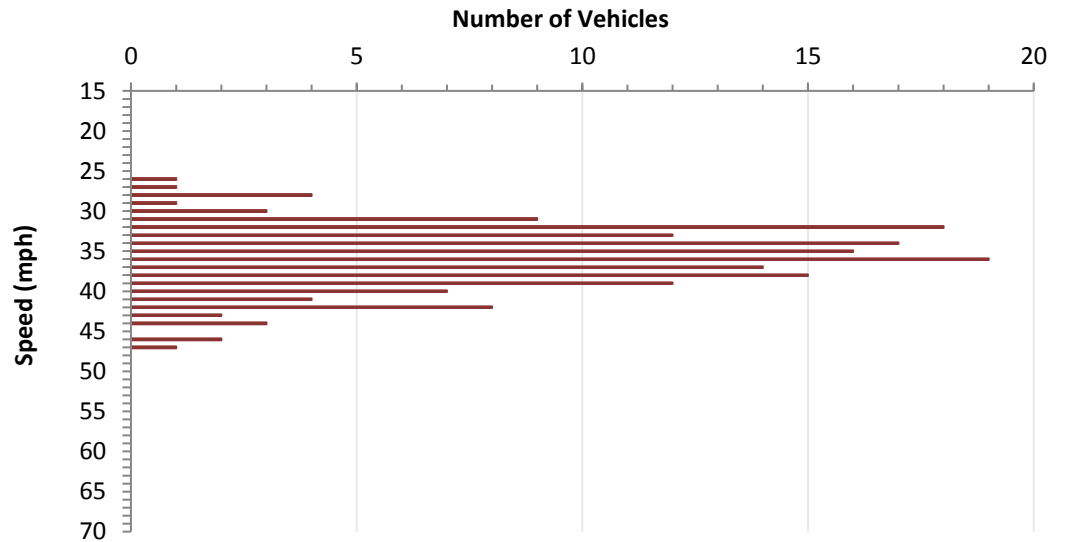


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Lomas Santa Fe Dr	From:	Solana Beach City Limit	To:	1,600' W/o El Camino Real
Position:	200' W/o Sun Valley Rd	Direction:	WB/EB		
Date:	12/20/2017	Weather:	Clear	Project Number:	0
Time Start:	10:00 AM	Road Condition:	DRY	Observer:	Tricia Johnson
Time End:	11:00 AM	Posted Speed:	50	Calibration Test:	N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	1	0.6%
27	1	1.2%
28	4	3.6%
29	1	4.1%
30	3	5.9%
31	9	11.2%
32	18	21.9%
33	12	29.0%
34	17	39.1%
35	16	48.5%
36	19	59.8%
37	14	68.0%
38	15	76.9%
39	12	84.0%
40	7	88.2%
41	4	90.5%
42	8	95.3%
43	2	96.4%
44	3	98.2%
45		
46	2	99.4%
47	1	100.0%
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	169	



DATA ANALYSIS

Average Speed	35.8	Range	26 - 47
50th Percentile	35.1	10 mph Pace	31 - 40
85th Percentile	39.2	Number in Pace	139
90th Percentile	40.8	Percent in Pace	82%
95th Percentile	41.9		

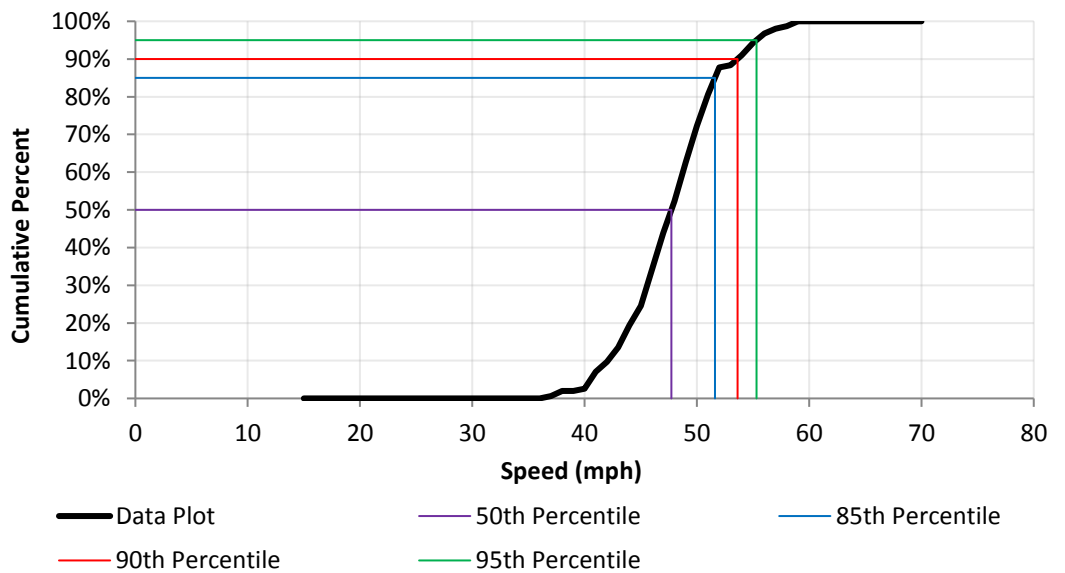
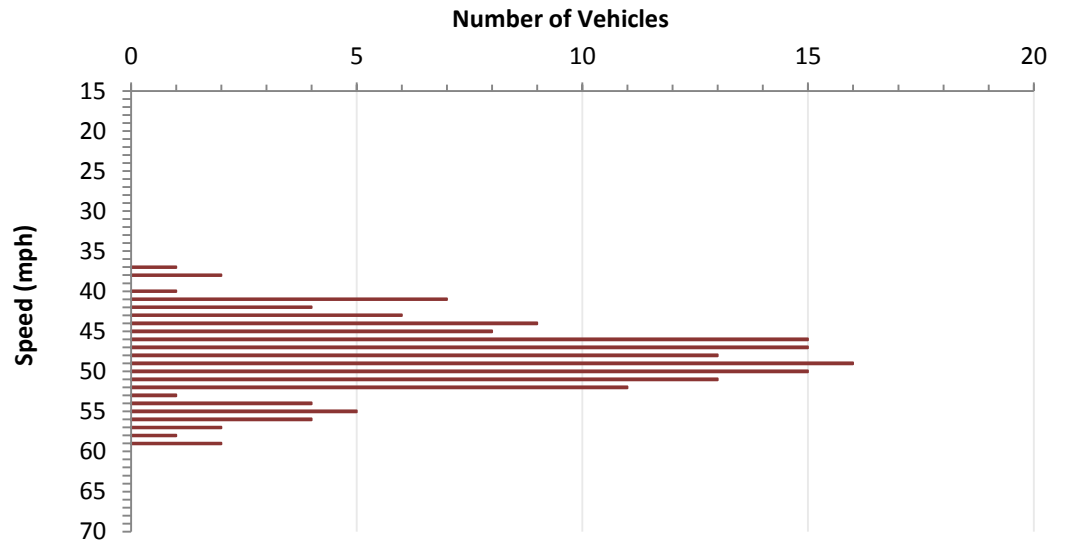


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Lomas Santa Fe Dr	From:	Solana Beach City Limit	To:	1,600' W/o El Camino Real
Position:	2100' E/o Sun Valley Rd	Direction:	WB/EB		
Date:	10/6/2017	Weather:	Clear	Project Number:	0
Time Start:	12:15 PM	Road Condition:	DRY	Observer:	Baraa Almnaseer
Time End:	12:45 PM	Posted Speed:	50	Calibration Test:	N

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	0.6%
38	2	1.9%
39		
40	1	2.6%
41	7	7.1%
42	4	9.7%
43	6	13.5%
44	9	19.4%
45	8	24.5%
46	15	34.2%
47	15	43.9%
48	13	52.3%
49	16	62.6%
50	15	72.3%
51	13	80.6%
52	11	87.7%
53	1	88.4%
54	4	91.0%
55	5	94.2%
56	4	96.8%
57	2	98.1%
58	1	98.7%
59	2	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	155	

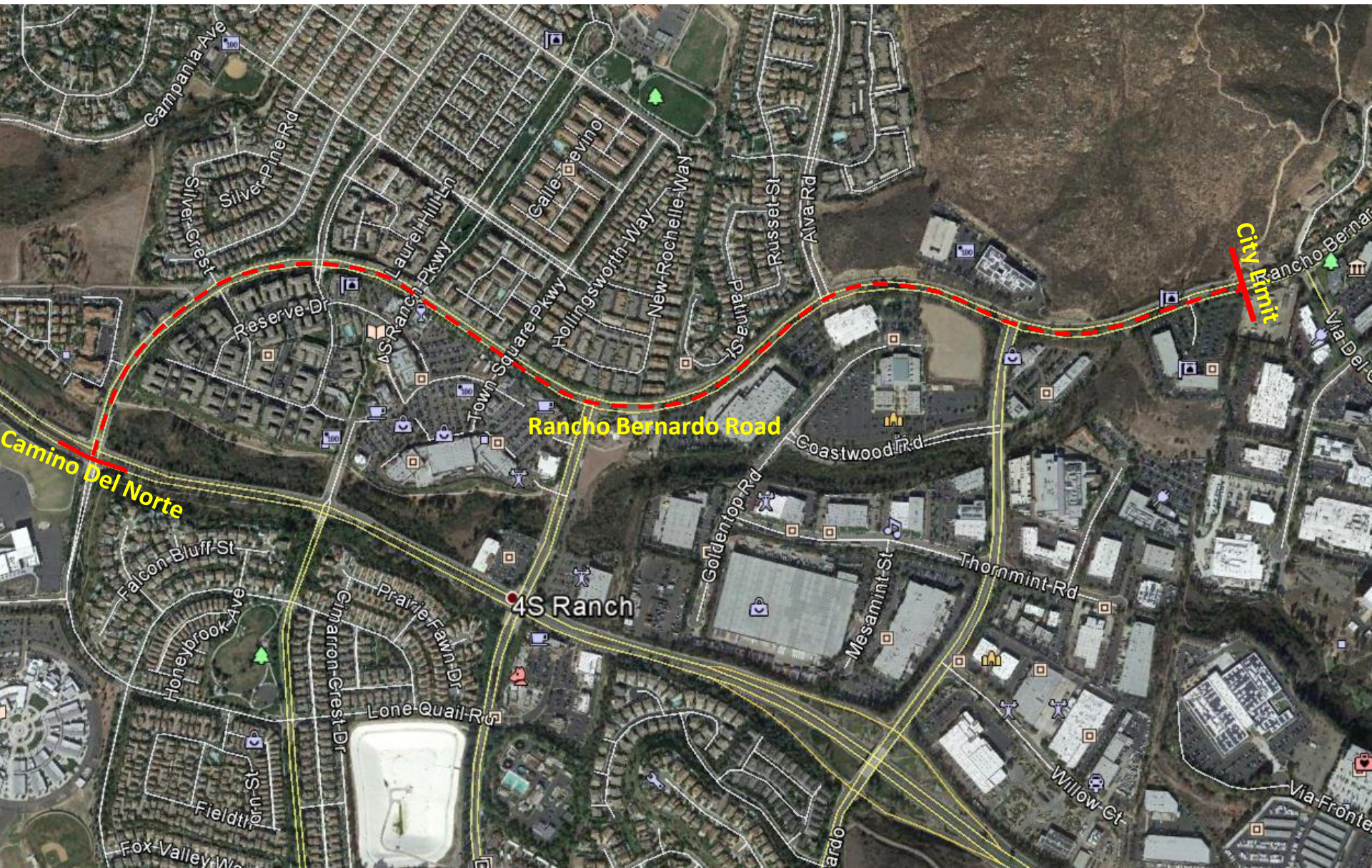


DATA ANALYSIS

Average Speed	48.2	Range	37 - 59
50th Percentile	47.7	10 mph Pace	43 - 52
85th Percentile	51.6	Number in Pace	121
90th Percentile	53.6	Percent in Pace	78%
95th Percentile	55.3		

3-B. Radar Recertification

Rancho Bernardo Road from the San Diego City Limit (350' West of Via Del Campo) to Camino Del Norte (1.58 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018

Item **3-B**

SUPERVISORIAL DISTRICT: 3

SUBJECT: Radar Recertification

LOCATION: Rancho Bernardo Road from the San Diego City Limit (350 feet W/o Via Del Campo) westerly to Camino Del Norte (1.58 miles) 4S RANCH (Thos. Bros. 1169 H-2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Rancho Bernardo Road is a striped four-lane roadway that measures 80 feet in width. There is a raised center median separating both directions of travel. The road is posted 50 MPH/Radar Certified. This roadway is classified as a Major Road on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

	<u>01/18</u>	<u>01/11</u>
Rancho Bernardo Road:		
250' W/o Dove Canyon Rd	20,280*	10,150

*Estimate

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Rancho Bernardo Road:				
850' E/o Dove Canyon Rd	(2017)	53.8 MPH	45-54	79.0%
	(2011)	49.0 MPH	38-47	58.6%

Collision Data

There have been 44 reported collisions along this segment of roadway, 25 of which involved injury, in a five year period (9-1-12 to 8-31-17). These collisions result in a segment accident rate of 0.75 collisions per million vehicle miles. The statewide average is 1.44 collisions per million vehicle miles for similar suburban 4-lane roads with speeds less than or equal 55 mile per hour.



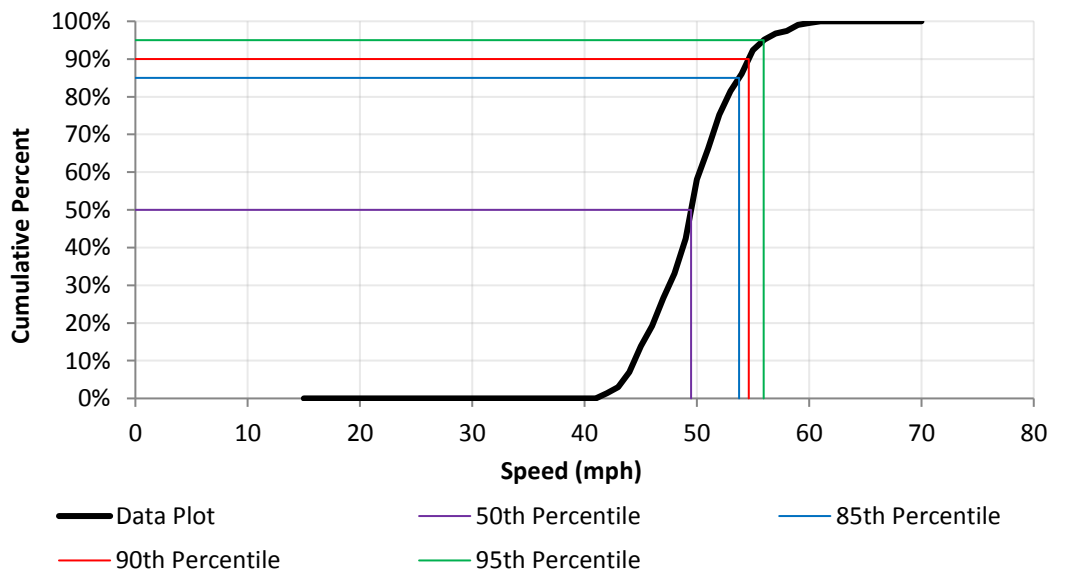
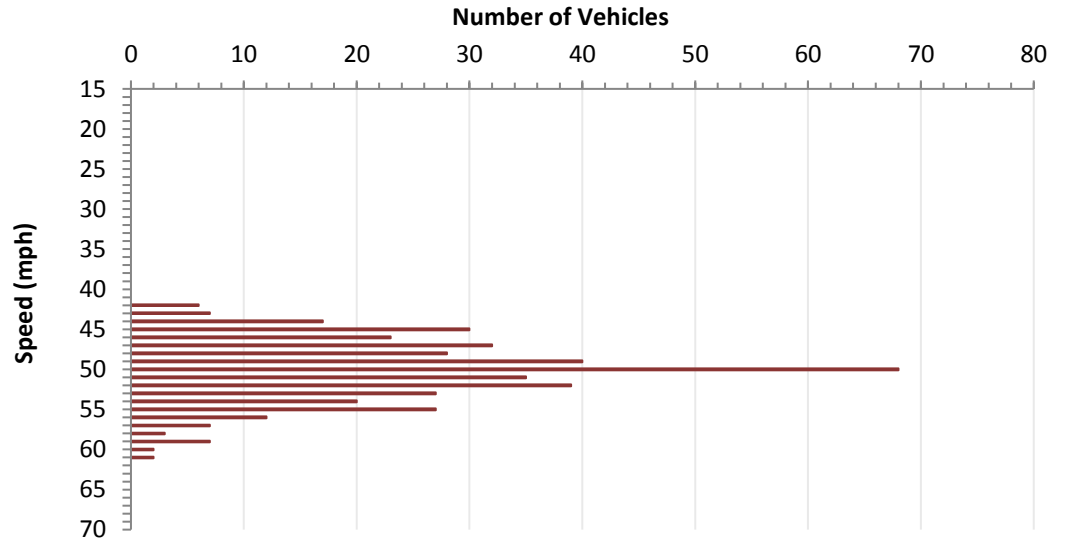
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Rancho Bernardo Road	From:	San Diego City Limit	To:	Camino Del Norte
Position:	Between Dove Cyn Rd & Alva Rd	Direction:	WB/EB		

Date:	5/31/2017	Weather:	Clear	Project Number:	0
Time Start:	12:00 PM	Road Condition:	DRY	Observer:	Contractor
Time End:	2:00 PM	Posted Speed:	50	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		
40		
41		
42	6	1.4%
43	7	3.0%
44	17	6.9%
45	30	13.9%
46	23	19.2%
47	32	26.6%
48	28	33.1%
49	40	42.4%
50	68	58.1%
51	35	66.2%
52	39	75.2%
53	27	81.5%
54	20	86.1%
55	27	92.4%
56	12	95.1%
57	7	96.8%
58	3	97.5%
59	7	99.1%
60	2	99.5%
61	2	100.0%
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	432	

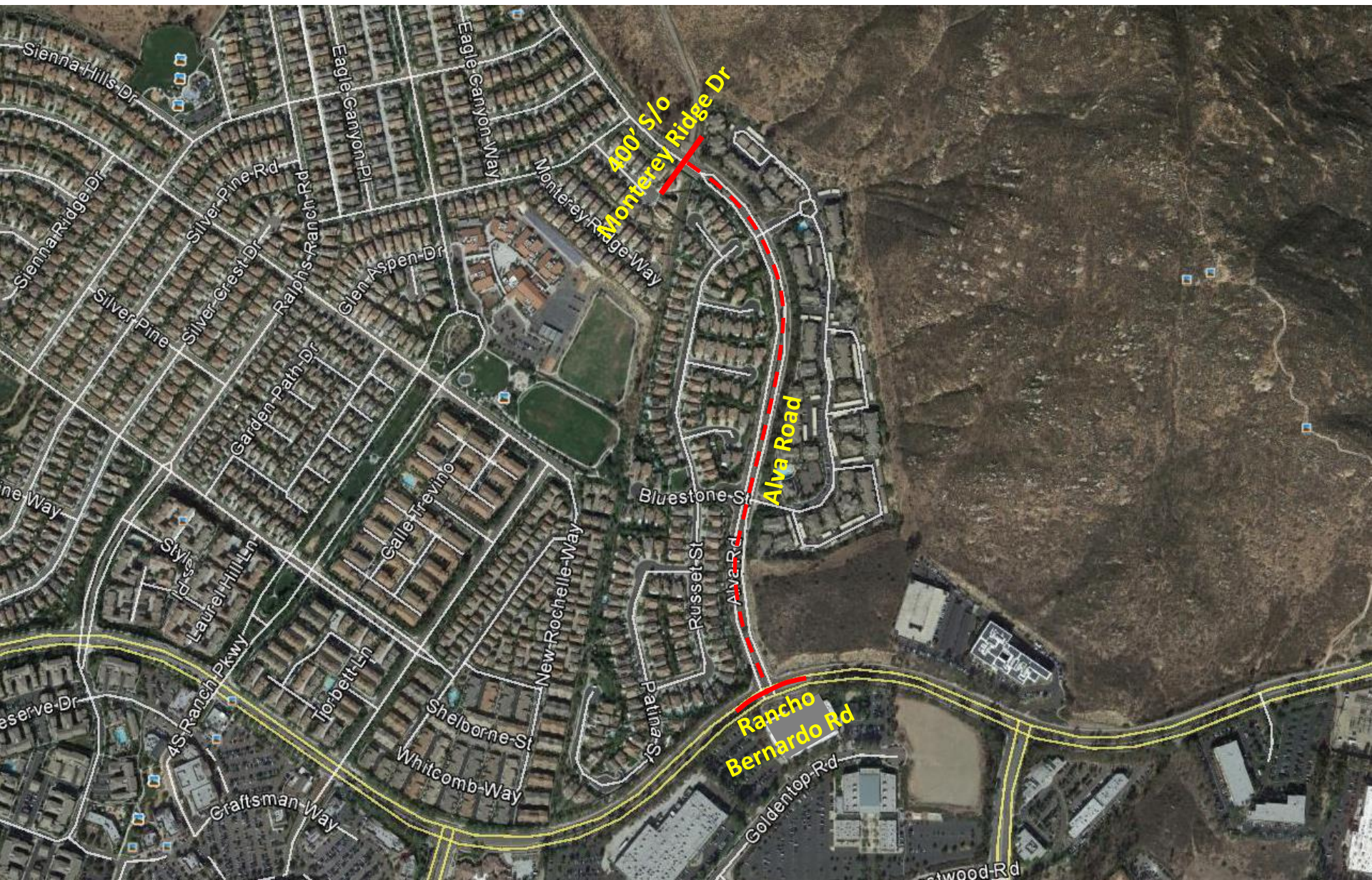


DATA ANALYSIS

Average Speed	50.1	Range	42 - 61
50th Percentile	49.5	10 mph Pace	45 - 54
85th Percentile	53.8	Number in Pace	342
90th Percentile	54.6	Percent in Pace	79%
95th Percentile	56.0		

3-C. Radar Recertification

Alva Road from Rancho Bernardo Road to 400' South of Monterey Ridge Drive (0.50 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018

Item **3-C**

SUPERVISORIAL DISTRICT: 3

SUBJECT: Radar Recertification

LOCATION: Alva Road from Rancho Bernardo Road northerly to 400 feet south of Monterey Ridge Drive (0.50 miles) 4S RANCH (Thos. Bros. 1169 G-2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 35 MPH speed limit.

Existing Traffic Devices

Alva Road is a striped four-lane roadway, 80 feet in width, that “Tees” into Rancho Bernardo Road from the north. There is a raised center median separating both directions of travel. This roadway is a non-Mobility Element Road. The road is posted 35 MPH Radar Certified.

Average Daily Traffic Volumes

	<u>03/17</u>	<u>01/11</u>
Alva Road:		
N/o Rancho Bernardo Road	7,570	6,180

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Alva Road:				
1,300' N/o Rancho Bernardo Road	(2017)	40.5 MPH	31-40	73.0%
	(2011)	37.0 MPH	28-37	73.8%
1,900' N/o Rancho Bernardo Road	(2017)	40.7 MPH	33-42	78.0%
Speed Zone	(2017)	40.6 MPH	32-41	75.5%

Collision Data

There have been 4 reported collisions along this segment of roadway, 2 of which involved injury, in a four year and eight month period (1-1-13 to 8-31-17). These collisions result in a segment accident rate of 0.62 collisions per million vehicle miles and an injury rate of 50%. The statewide average is 1.44 collisions per million vehicle miles and an injury rate of 42.4% for similar suburban divided 4-lane roads with speeds less than or equal 55 mile per hour.

VOLUME

Alva Rd N/O Rancho Bernardo Rd

Day: Thursday
Date: 3/16/2017City: 4S Ranch
Project #: CA17_4068_001

DAILY TOTALS					NB	SB						EB	WB						Total
					3,760	3,813						0	0						7,573
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL							TOTAL
00:00	2	0			2		12:00	39	49			88							88
00:15	8	2			10		12:15	46	41			87							87
00:30	3	0			3		12:30	47	41			88							88
00:45	10	23	0	2	10	25	12:45	47	179	38	169	85	348						
01:00	2	1			3		13:00	48	51			99							99
01:15	2	0			2		13:15	44	44			88							88
01:30	1	1			2		13:30	36	35			71							71
01:45	2	7	1	3	3	10	13:45	41	169	45	175	86	344						
02:00	3	0			3		14:00	38	34			72							72
02:15	2	1			3		14:15	58	48			106							106
02:30	0	0			0		14:30	47	48			95							95
02:45	0	5	0	1	0	6	14:45	61	204	40	170	101	374						
03:00	1	0			1		15:00	66	47			113							113
03:15	1	0			1		15:15	94	50			144							144
03:30	0	3			3		15:30	64	67			131							131
03:45	0	2	2	5	2	7	15:45	72	296	69	233	141	529						
04:00	0	0			0		16:00	73	54			127							127
04:15	0	3			3		16:15	81	63			144							144
04:30	0	4			4		16:30	79	65			144							144
04:45	0	19	26		19	26	16:45	91	324	54	236	145	560						
05:00	1	8			9		17:00	86	56			142							142
05:15	3	14			17		17:15	112	57			169							169
05:30	3	25			28		17:30	104	77			181							181
05:45	4	11	27	74	31	85	17:45	105	407	52	242	157	649						
06:00	4	25			29		18:00	140	66			206							206
06:15	6	39			45		18:15	113	69			182							182
06:30	15	67			82		18:30	105	54			159							159
06:45	14	39	69	200	83	239	18:45	95	453	51	240	146	693						
07:00	33	91			124		19:00	101	44			145							145
07:15	20	95			115		19:15	123	44			167							167
07:30	25	132			157		19:30	88	52			140							140
07:45	39	117	182	500	221	617	19:45	76	388	48	188	124	576						
08:00	50	114			164		20:00	88	39			127							127
08:15	59	93			152		20:15	78	33			111							111
08:30	23	102			125		20:30	56	33			89							89
08:45	30	162	110	419	140	581	20:45	77	299	26	131	103	430						
09:00	28	106			134		21:00	56	19			75							75
09:15	32	74			106		21:15	49	15			64							64
09:30	18	82			100		21:30	39	15			54							54
09:45	22	100	60	322	82	422	21:45	35	179	18	67	53	246						
10:00	29	63			92		22:00	31	14			45							45
10:15	24	38			62		22:15	30	12			42							42
10:30	29	51			80		22:30	25	16			41							41
10:45	32	114	39	191	71	305	22:45	15	101	3	45	18	146						
11:00	36	41			77		23:00	21	7			28							28
11:15	24	36			60		23:15	11	3			14							14
11:30	39	40			79		23:30	7	1			8							8
11:45	32	131	43	160	75	291	23:45	11	50	3	14	14	64						
TOTALS	711	1903			2614		TOTALS	3049	1910			4959							
SPLIT %	27.2%	72.8%			34.5%		SPLIT %	61.5%	38.5%			65.5%							

DAILY TOTALS					NB	SB						EB	WB						Total
					3,760	3,813						0	0						7,573
AM Peak Hour	07:30	07:15			07:30		PM Peak Hour	17:45	17:30			17:30							
AM Pk Volume	173	523			694		PM Pk Volume	463	264			726							
Pk Hr Factor	0.733	0.718			0.785		Pk Hr Factor	0.827	0.857			0.881							
7 - 9 Volume	279	919	0	0	1198		4 - 6 Volume	731	478	0	0	1209							
7 - 9 Peak Hour	07:30	07:15			07:30		4 - 6 Peak Hour	17:00	16:45			17:00							
7 - 9 Pk Volume	173	523	0	0	694		4 - 6 Pk Volume	407	244	0	0	649							
Pk Hr Factor	0.733	0.718	0.000	0.000	0.785		Pk Hr Factor	0.908	0.792	0.000	0.000	0.896							



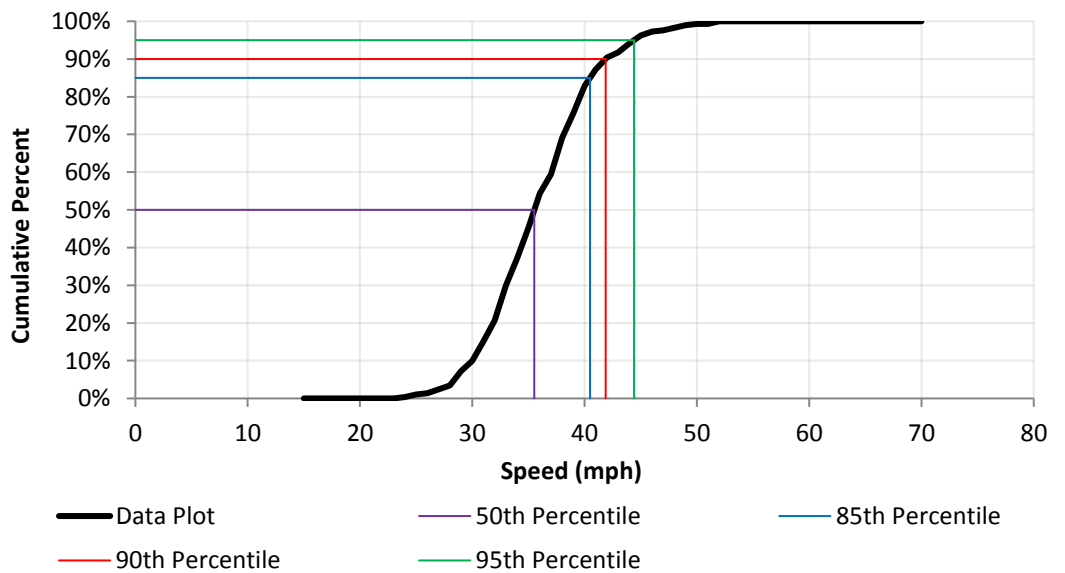
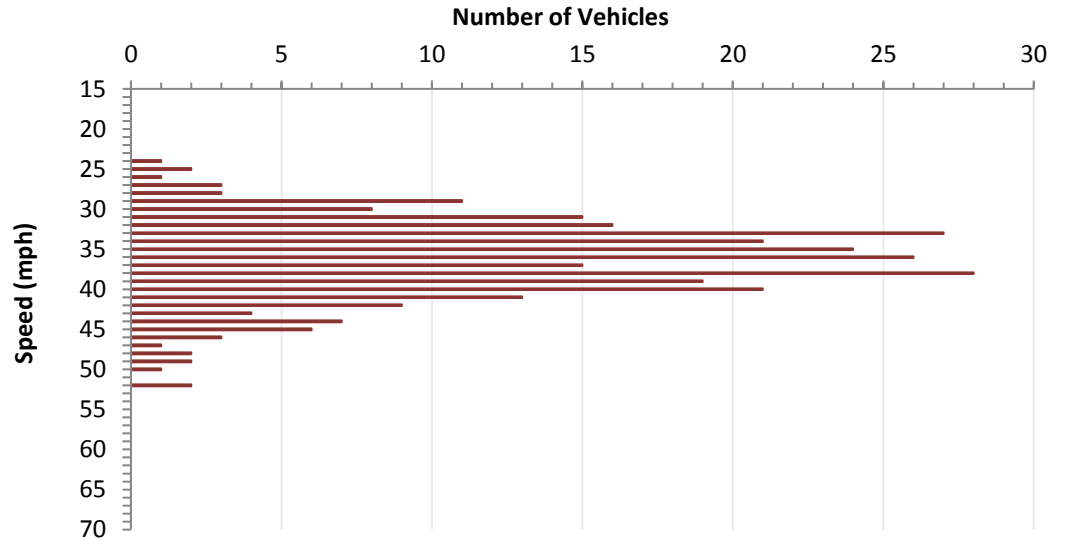
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	ALVA ROAD	From:	Rancho bernardo Road	To:	400' S/o Monterey Ridge Dr
Position:	1,300' N/o Rancho Bernardo Rd	Direction:	NBT/SBT		

Date:	3/9/2017	Weather:	CLEAR	Project Number:	0
Time Start:	12:15 PM	Road Condition:	DRY	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	35 MPH	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24	1	0.3%
25	2	1.0%
26	1	1.4%
27	3	2.4%
28	3	3.4%
29	11	7.2%
30	8	10.0%
31	15	15.1%
32	16	20.6%
33	27	29.9%
34	21	37.1%
35	24	45.4%
36	26	54.3%
37	15	59.5%
38	28	69.1%
39	19	75.6%
40	21	82.8%
41	13	87.3%
42	9	90.4%
43	4	91.8%
44	7	94.2%
45	6	96.2%
46	3	97.3%
47	1	97.6%
48	2	98.3%
49	2	99.0%
50	1	99.3%
51		
52	2	100.0%
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	291	



DATA ANALYSIS

Average Speed	36.3	Range	24 - 52
50th Percentile	35.5	10 mph Pace	31 - 40
85th Percentile	40.5	Number in Pace	212
90th Percentile	41.9	Percent in Pace	73%
95th Percentile	44.4		



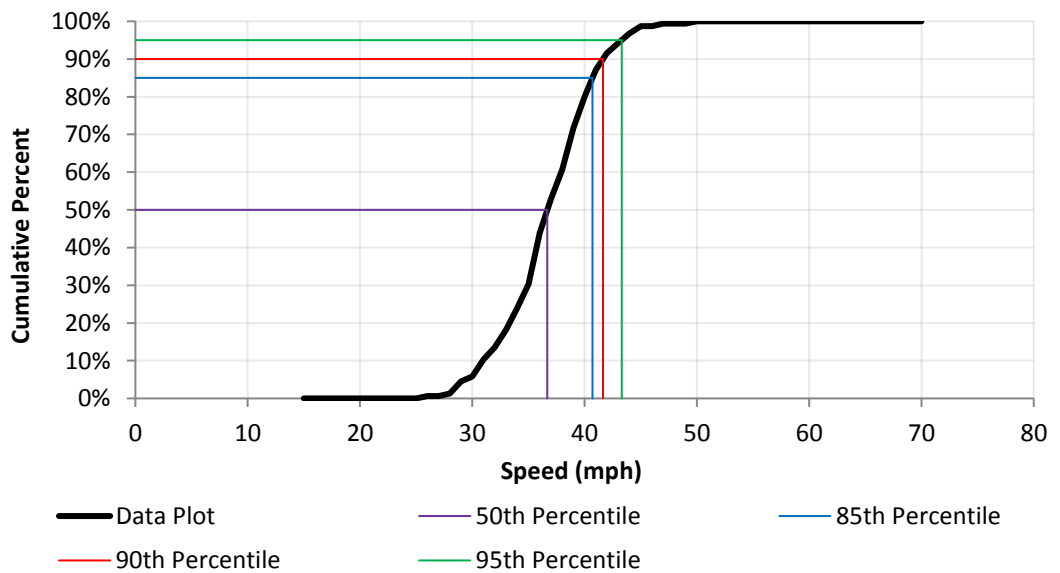
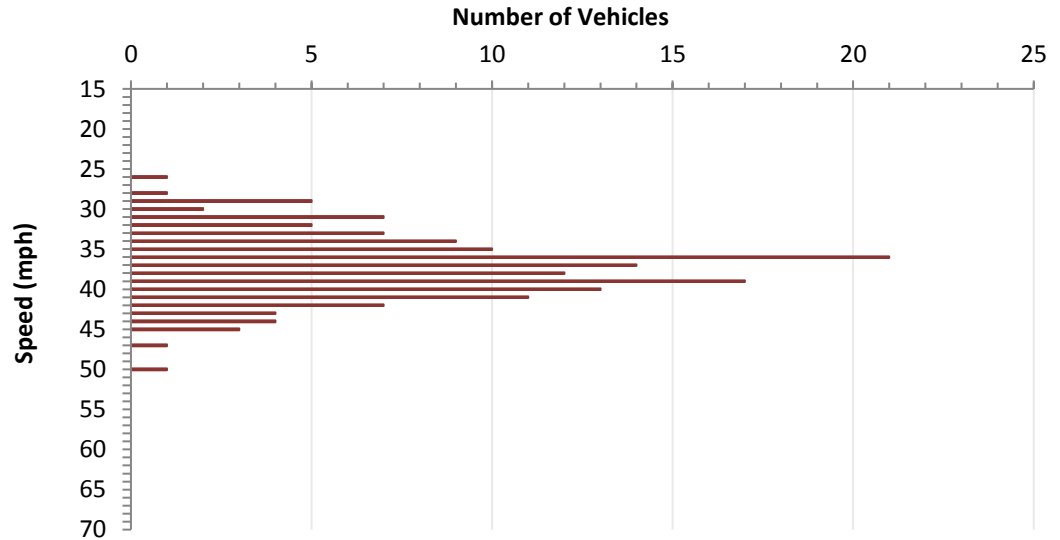
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Alva Rd	From:	Rancho Bernardo Rd	To:	400' S/o Monterey Ridge Dr
Position:	1,900' N/o Rancho Bernardo Rd	Direction:	N/S		

Date:	12/21/2017	Weather:	Clear	Project Number:	0
Time Start:	9:40 AM	Road Condition:	DRY	Observer:	Baraa Almnaseer
Time End:	10:30 AM	Posted Speed:	40	Calibration Test:	N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26	1	0.6%
27		
28	1	1.3%
29	5	4.5%
30	2	5.8%
31	7	10.3%
32	5	13.5%
33	7	18.1%
34	9	23.9%
35	10	30.3%
36	21	43.9%
37	14	52.9%
38	12	60.6%
39	17	71.6%
40	13	80.0%
41	11	87.1%
42	7	91.6%
43	4	94.2%
44	4	96.8%
45	3	98.7%
46		
47	1	99.4%
48		
49		
50	1	100.0%
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	155	



DATA ANALYSIS

Average Speed	37.2	Range	26 - 50
50th Percentile	36.7	10 mph Pace	33 - 42
85th Percentile	40.7	Number in Pace	121
90th Percentile	41.6	Percent in Pace	78%
95th Percentile	43.3		

5-A. Radar Recertification

Woods Valley Road from 900' East of Mile Post 1 to North Lake Wohlford Road (2.73 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018 Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Woods Valley Road from 900 feet east of Mile Post 1
easterly to North Lake Wohlford Road (2.73 miles)
VALLEY CENTER (Thos. Bros. 1090 G-5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Preliminary review of prevailing speeds and roadway conditions could support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Woods Valley Road is a striped two-lane roadway that varies from 28 to 47 feet wide. There is edge-striping on both sides of the roadway with an all-way stop control at the intersection of North Lake Wohlford Road on the eastern end of this segment. The road is classified as a Light Collector Road on the County General Plan Mobility Element Network. The road is posted 40 MPH/Radar Enforced.

<u>Average Daily Traffic Volumes</u>	<u>01/18</u>	<u>02/10</u>
Woods Valley Road:		
W/o Oakmont Road	4,750*	3,750

*Estimate

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
<u>Speed Data</u>				
Woods Valley Road:				
370' W/o Mile Post 2	(2017)	42.4 MPH	34-43	68.0%
	(2010)	38.0 MPH	29-38	76.4%
270' E/o Mile Post 2.5	(2017)	44.9 MPH	33-42	64.0%
	(2010)	39.0 MPH	30-39	78.2%
Speed Zone	(2017)	43.6 MPH	33-42	66.0%

Collision Data

There have been 50 reported collisions along this segment of roadway, 34 of which involved injury along this segment of roadway in the last five year period (9-1-12 to 8-31-17). These collisions result in a segment accident rate of 2.12 collisions per million vehicle miles. The statewide average is 0.89 collisions per million vehicle miles for similar suburban 2-lane roads with speeds less than 45 mile per hour.



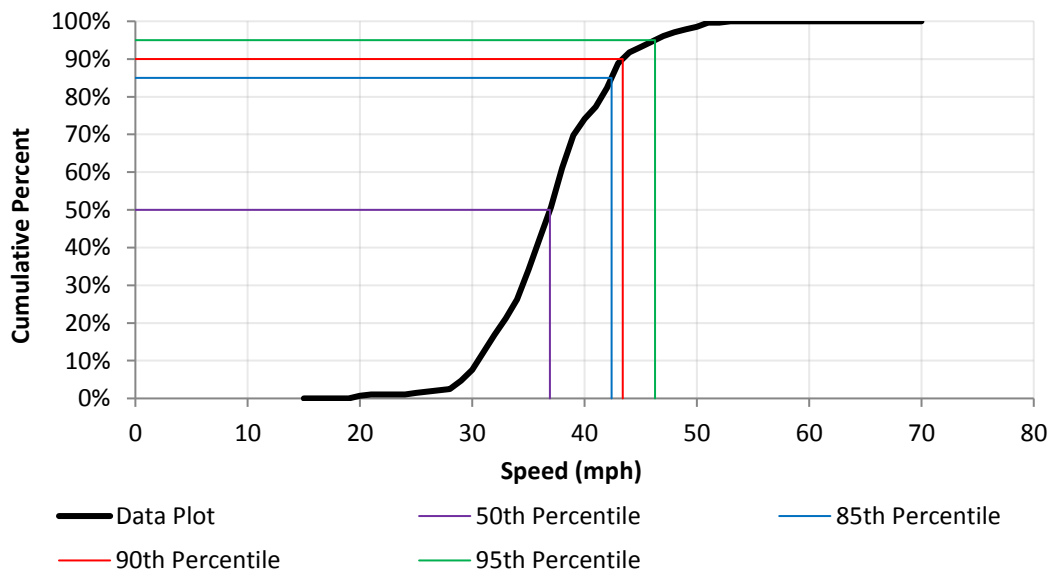
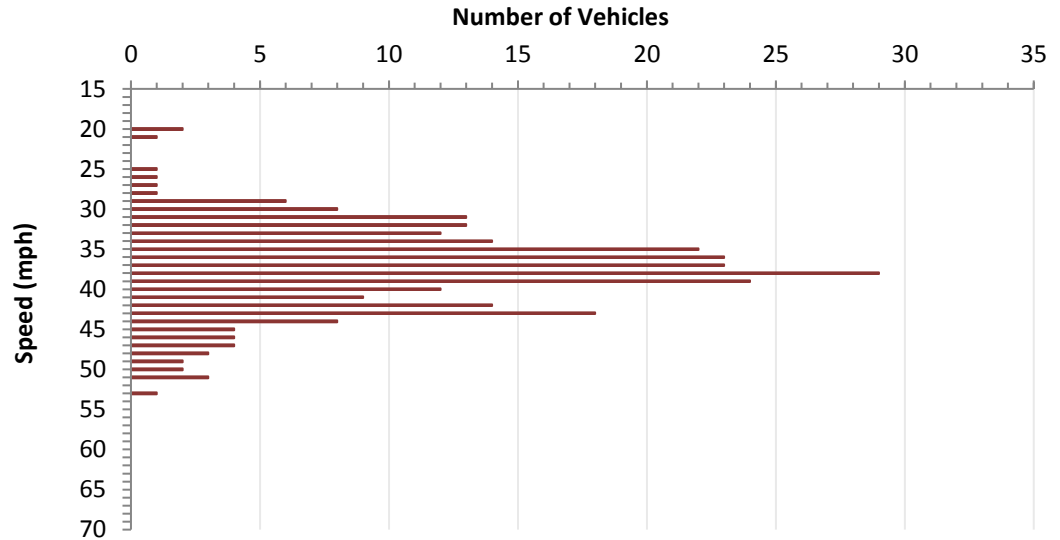
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Woods Valley Rd	From:	0	To:	0
Position:	370' W/o Mile Post 2	Direction:	0		

Date:	5/24/2017	Weather:	CLEAR	Project Number:	0
Time Start:	11:15 PM	Road Condition:	DRY	Observer:	Contractor
Time End:	1:15 PM	Posted Speed:	40	Calibration Test:	N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20	2	0.7%
21	1	1.1%
22		
23		
24		
25	1	1.4%
26	1	1.8%
27	1	2.2%
28	1	2.5%
29	6	4.7%
30	8	7.6%
31	13	12.2%
32	13	16.9%
33	12	21.2%
34	14	26.3%
35	22	34.2%
36	23	42.4%
37	23	50.7%
38	29	61.2%
39	24	69.8%
40	12	74.1%
41	9	77.3%
42	14	82.4%
43	18	88.8%
44	8	91.7%
45	4	93.2%
46	4	94.6%
47	4	96.0%
48	3	97.1%
49	2	97.8%
50	2	98.6%
51	3	99.6%
52		
53	1	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	278	



DATA ANALYSIS

Average Speed	37.5	Range	20 - 53
50th Percentile	36.9	10 mph Pace	34 - 43
85th Percentile	42.4	Number in Pace	188
90th Percentile	43.4	Percent in Pace	68%
95th Percentile	46.3		



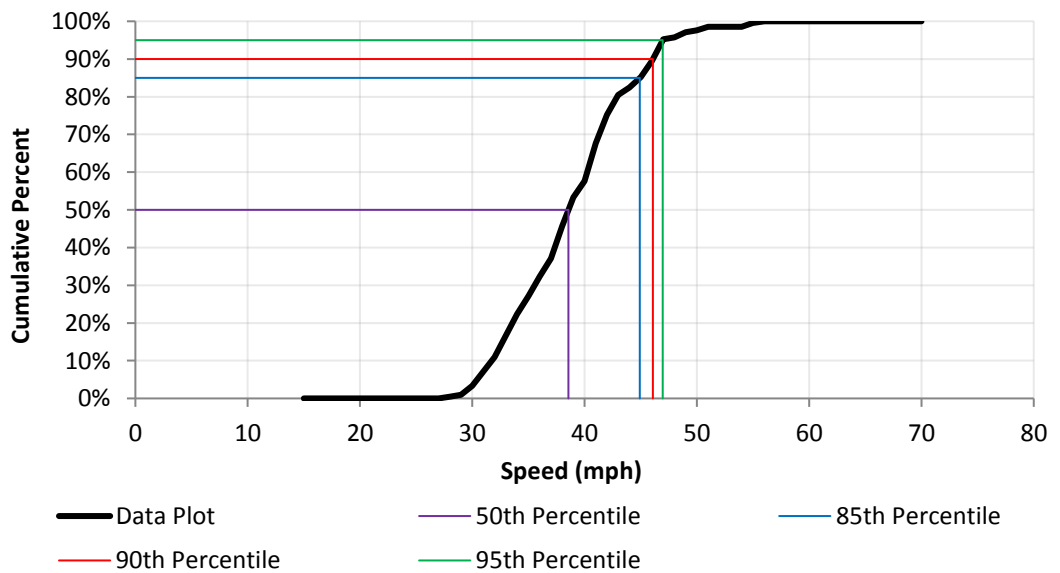
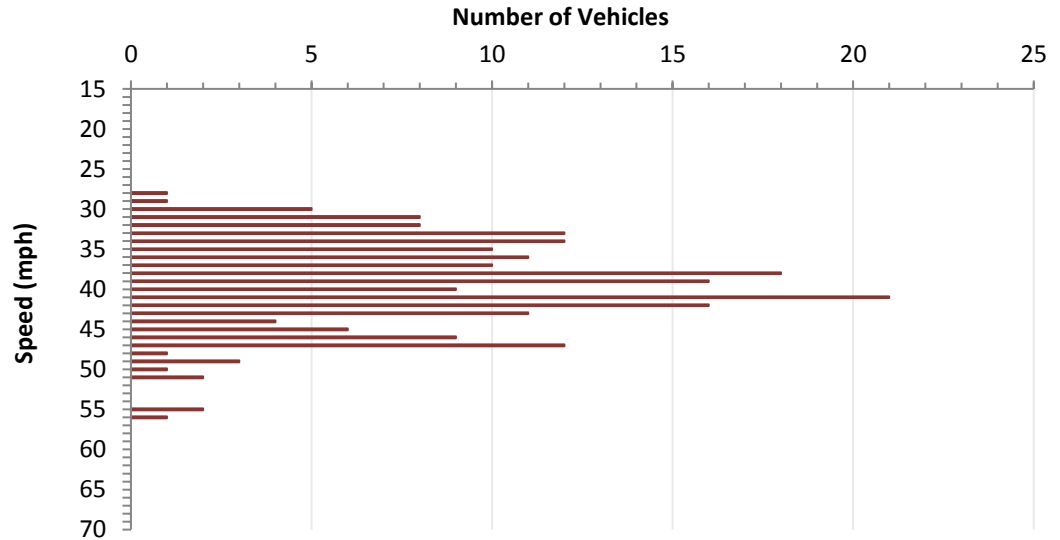
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Woods Valley Rd	From:	0	To:	0
Position:	270' E/o MP 2.5	Direction:	0		

Date:	5/24/2017	Weather:	CLEAR	Project Number:	0
Time Start:	9:05 AM	Road Condition:	DRY	Observer:	Contractor
Time End:	11:05 AM	Posted Speed:	40	Calibration Test:	N

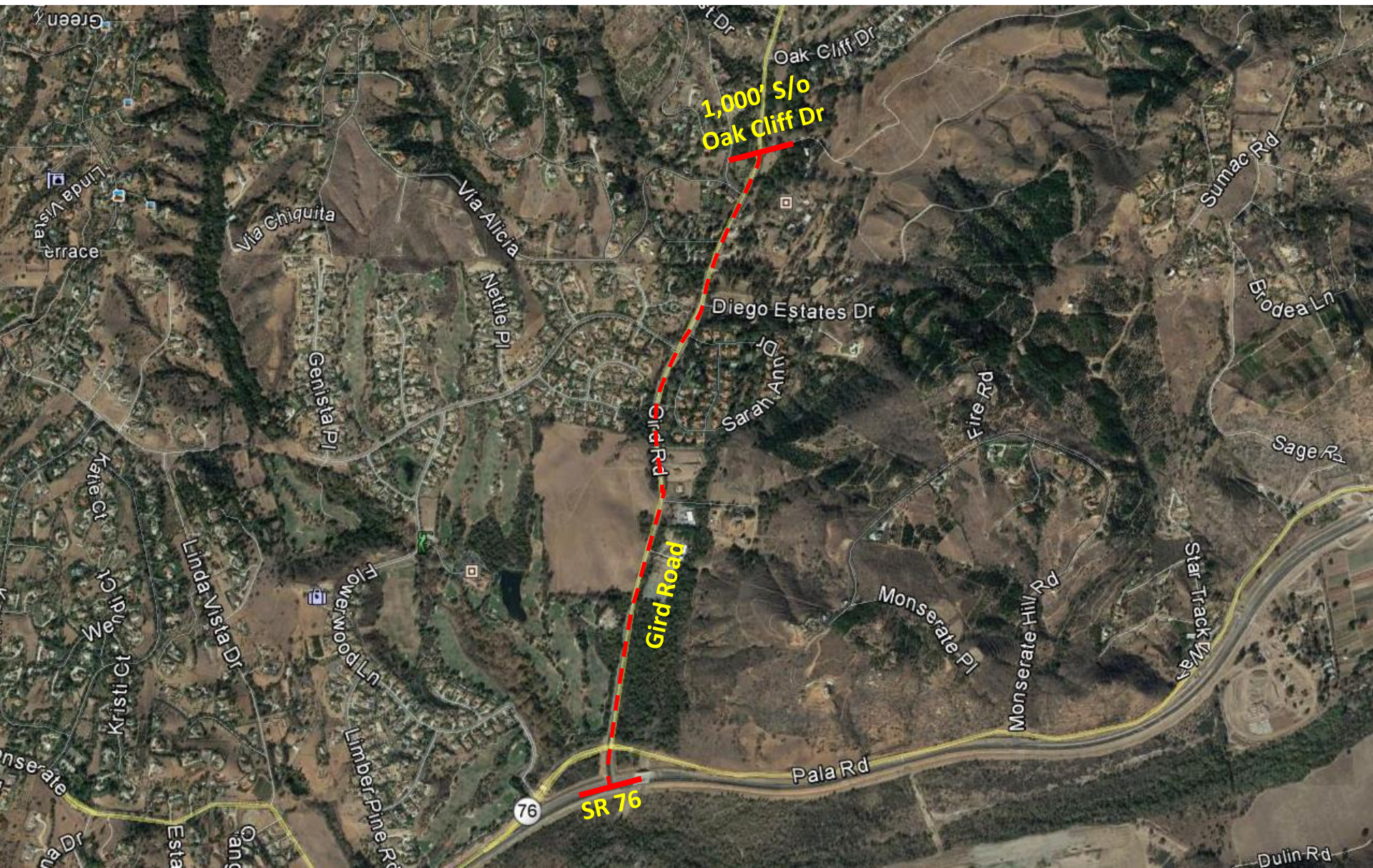
Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28	1	0.5%
29	1	1.0%
30	5	3.3%
31	8	7.1%
32	8	11.0%
33	12	16.7%
34	12	22.4%
35	10	27.1%
36	11	32.4%
37	10	37.1%
38	18	45.7%
39	16	53.3%
40	9	57.6%
41	21	67.6%
42	16	75.2%
43	11	80.5%
44	4	82.4%
45	6	85.2%
46	9	89.5%
47	12	95.2%
48	1	95.7%
49	3	97.1%
50	1	97.6%
51	2	98.6%
52		
53		
54		
55	2	99.5%
56	1	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	210	



DATA ANALYSIS

Average Speed	39.2	Range	28 - 56
50th Percentile	38.6	10 mph Pace	33 - 42
85th Percentile	44.9	Number in Pace	135
90th Percentile	46.1	Percent in Pace	64%
95th Percentile	47.0		

5-B. Speed Limit/Radar Certification Gird Road from State Route 76 to 1,000' South of Oak Cliff Drive (1.26 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2018

Item **5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Speed Limit and Radar Certification

LOCATION: Gird Road from State Route 76 to a point 1,000 feet south of Oak Cliff Drive (1.26 miles) FALLBROOK (Thos. Bros. 1048 D-4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Speed Limit and Radar Certification

PROBLEM AS STATED BY REQUESTER:

Gird Road from State Route 76 to a point 1,000 feet south of Oak Cliff Drive has a posted 50 MPH speed limit. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 45 MPH.

Existing Traffic Devices

Gird Road is a striped two-lane Through Highway that varies from 32 to 45 feet wide. This segment is centerline striped, and there is traffic signal at the intersection of SR 76. The road is classified as Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

9/16

Gird Road:

150' S/o Via Loma

3,700

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Gird Road:

2,700' S/o Oak Cliff Dr

(2017)

51.8 MPH

42-51

65.0%

Collision Data

There have been 4 reported collisions along this segment of roadway, 3 of which involved injury, in a one year period (6-1-16 to 5-31-17). These collisions result in a segment accident rate of 2.36 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2-lane roads with speeds between 45 and 55 mile per hour.

VOLUME

Gird Rd 150' S/O Via Loma

Day: Thursday

Date: 9/8/2016

City: Bonsall

Project #: CA16_4246_019

DAILY TOTALS					NB	SB	EB					WB	Total
					1,878	1,819						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	2	1			3	12:00	21	37			58		
00:15	3	3			6	12:15	18	24			42		
00:30	0	0			0	12:30	27	22			49		
00:45	2	7	1	5	3	12:45	14	80	31	114	45	194	
01:00	4	1			5	13:00	20	23			43		
01:15	0	1			1	13:15	27	27			54		
01:30	2	1			3	13:30	32	39			71		
01:45	1	7	1	4	2	13:45	28	107	30	119	58	226	
02:00	1	1			2	14:00	39	22			61		
02:15	1	1			2	14:15	33	24			57		
02:30	0	2			2	14:30	35	18			53		
02:45	0	2	1	5	1	14:45	32	139	25	89	57	228	
03:00	1	2			3	15:00	45	31			76		
03:15	1	2			3	15:15	39	28			67		
03:30	1	2			3	15:30	41	26			67		
03:45	1	4	2	8	3	15:45	44	169	20	105	64	274	
04:00	0	2			2	16:00	60	28			88		
04:15	1	2			3	16:15	75	24			99		
04:30	3	6			9	16:30	54	23			77		
04:45	3	7	17	27	20	16:45	54	243	21	96	75	339	
05:00	1	11			12	17:00	59	33			92		
05:15	1	11			12	17:15	71	27			98		
05:30	3	14			17	17:30	53	25			78		
05:45	3	8	29	65	32	17:45	49	232	16	101	65	333	
06:00	3	41			44	18:00	45	19			64		
06:15	0	41			41	18:15	32	14			46		
06:30	11	58			69	18:30	35	20			55		
06:45	18	32	57	197	75	18:45	29	141	15	68	44	209	
07:00	18	60			78	19:00	30	15			45		
07:15	17	44			61	19:15	30	13			43		
07:30	19	36			55	19:30	21	20			41		
07:45	18	72	45	185	63	19:45	23	104	18	66	41	170	
08:00	21	38			59	20:00	18	8			26		
08:15	23	38			61	20:15	23	13			36		
08:30	18	33			51	20:30	20	5			25		
08:45	18	80	31	140	49	20:45	11	72	9	35	20	107	
09:00	17	41			58	21:00	20	7			27		
09:15	24	25			49	21:15	20	5			25		
09:30	17	32			49	21:30	8	6			14		
09:45	24	82	35	133	59	21:45	12	60	2	20	14	80	
10:00	20	27			47	22:00	9	7			16		
10:15	21	13			34	22:15	10	3			13		
10:30	20	50			70	22:30	11	2			13		
10:45	17	78	24	114	41	22:45	4	34	3	15	7	49	
11:00	28	28			56	23:00	4	3			7		
11:15	31	36			67	23:15	4	0			4		
11:30	21	18			39	23:30	7	1			8		
11:45	22	102	22	104	44	23:45	1	16	0	4	1	20	
TOTALS	481	987			1468	TOTALS	1397	832			2229		
SPLIT %	32.8%	67.2%			39.7%	SPLIT %	62.7%	37.3%			60.3%		

DAILY TOTALS					NB	SB	EB					WB	Total
					1,878	1,819						0	0

DAILY TOTALS					NB	SB	EB	WB	Total
					1,878	1,819	0	0	3,697
AM Peak Hour	11:00	06:30		06:30	PM Peak Hour	16:00	12:45		16:15
AM Pk Volume	102	219		283	PM Pk Volume	243	120		343
Pk Hr Factor	0.823	0.913		0.907	Pk Hr Factor	0.810	0.769		0.866
7 - 9 Volume	152	325	0	0	4 - 6 Volume	475	197	0	0
7 - 9 Peak Hour	07:30	07:00		07:00	4 - 6 Peak Hour	16:00	16:45		16:15
7 - 9 Pk Volume	81	185	0	0	4 - 6 Pk Volume	243	106	0	0
Pk Hr Factor	0.880	0.771	0.000	0.000	Pk Hr Factor	0.810	0.803	0.000	0.000

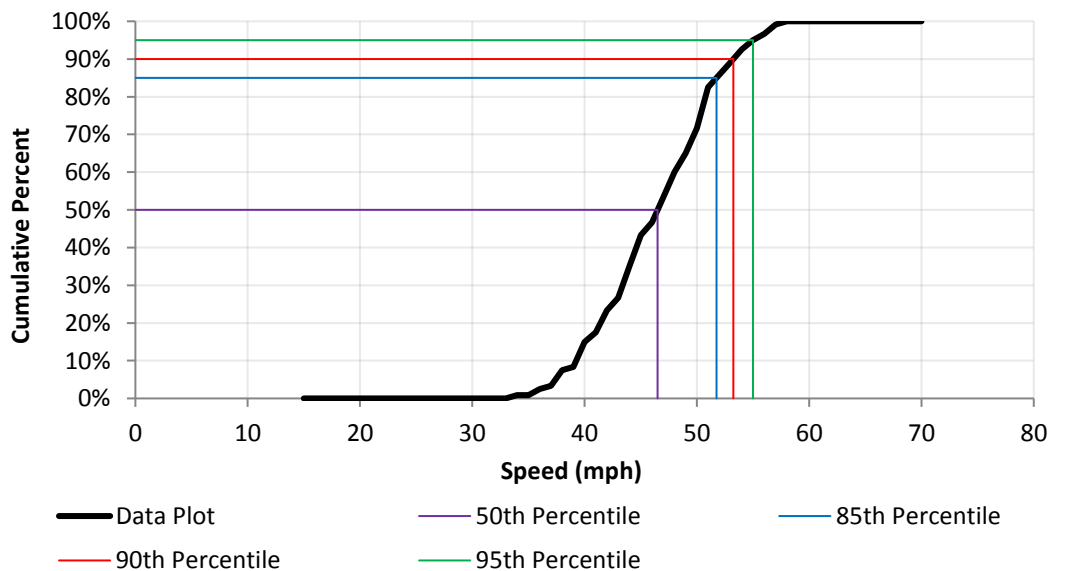
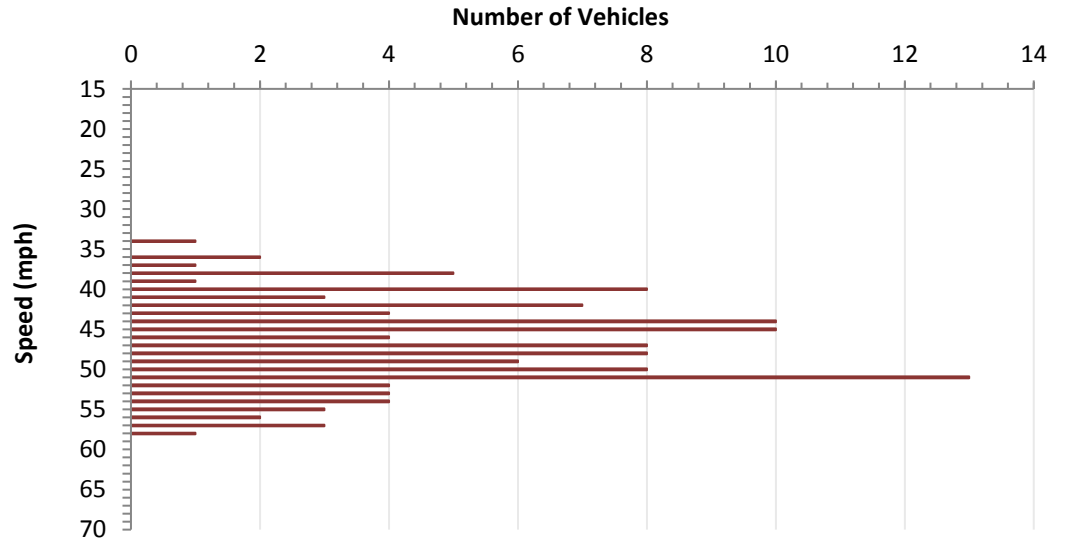


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gird Road	From:	SR 76	To:	1,000' S/o Oak Cliff Dr
Position:	2700 feet S/O Oak Cliff Dr	Direction:	N/S		
Date:	12/6/2017	Weather:	Clear	Project Number:	0
Time Start:	10:05 AM	Road Condition:	DRY	Observer:	Baraa Almnaseer/Trid
Time End:	10:50 AM	Posted Speed:	50	Calibration Test:	N

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	0.8%
35		
36	2	2.5%
37	1	3.3%
38	5	7.5%
39	1	8.3%
40	8	15.0%
41	3	17.5%
42	7	23.3%
43	4	26.7%
44	10	35.0%
45	10	43.3%
46	4	46.7%
47	8	53.3%
48	8	60.0%
49	6	65.0%
50	8	71.7%
51	13	82.5%
52	4	85.8%
53	4	89.2%
54	4	92.5%
55	3	95.0%
56	2	96.7%
57	3	99.2%
58	1	100.0%
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	120	



DATA ANALYSIS

Average Speed	46.8	Range	34 - 58
50th Percentile	46.5	10 mph Pace	42 - 51
85th Percentile	51.8	Number in Pace	78
90th Percentile	53.3	Percent in Pace	65%
95th Percentile	55.0		

Reche Rd

S15

Gird Road

1,000' S/o Oak Cliff Dr

Cam Verde

Via Del Robles

Winter Haven Rd

Via Del Arroyo

Via Alicia

Oak Cliff Dr

Dos Lomas

Dos Ninos Rd

Peony Dr

Citrus Ln

Vern Dr

Laketree Dr

Pala Mesa Dr

Sumac Rd

Hwy 395

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 26, 2017

Item 5-C

SUPERVISORIAL DISTRICT: 5

SUBJECT: Speed Limit and Radar Certification

LOCATION: Gird Road from 1,000 feet south of Oak Cliff Drive northerly to Reche Road (2.35 miles) FALLBROOK (Thos. Bros. 1048 D-1)

INITIATED BY: DPW Traffic Engineering

REQUEST: Speed Limit and Radar Certification

PROBLEM AS STATED BY REQUESTER:

Gird Road from 1,000 feet south of Oak Cliff Drive northerly to Reche Road has a posted 45 MPH speed limit. Preliminary review of prevailing speeds and roadway conditions could support a radar certification of 45 MPH speed limit.

Existing Traffic Devices

Gird Road is a striped two-lane Through Highway that varies from 32 to 45 feet wide. This segment is centerline striped, and there is traffic signal at the intersection of Reche Road. The road is classified as Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

9/16

Gird Road:

150' S/o Via Loma 3,700

Speed Data

85th
Percentile

10 MPH
Pace

% in
Pace

Gird Road:

4,000' S/o Reche Road (2017) 50.5 MPH 42-51 75.0%

Collision Data

There have been 6 reported collisions along this segment of roadway, 3 of which involved injury, in a one year period (6-1-16 to 5-31-17). These collisions result in a segment accident rate of 1.9 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2-lane roads with speeds between 45 and 55 mile per hour.

VOLUME

Gird Rd 150' S/O Via Loma

Day: Thursday

Date: 9/8/2016

City: Bonsall

Project #: CA16_4246_019

DAILY TOTALS					NB	SB	EB					WB	Total
					1,878	1,819						0	0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	2	1			3	12:00	21	37			58		
00:15	3	3			6	12:15	18	24			42		
00:30	0	0			0	12:30	27	22			49		
00:45	2	7	1	5	3	12:45	14	80	31	114	45		
01:00	4	1			5	13:00	20	23			43		
01:15	0	1			1	13:15	27	27			54		
01:30	2	1			3	13:30	32	39			71		
01:45	1	7	1	4	2	13:45	28	107	30	119	58		
02:00	1	1			2	14:00	39	22			61		
02:15	1	1			2	14:15	33	24			57		
02:30	0	2			2	14:30	35	18			53		
02:45	0	2	1	5	1	14:45	32	139	25	89	57		
03:00	1	2			3	15:00	45	31			76		
03:15	1	2			3	15:15	39	28			67		
03:30	1	2			3	15:30	41	26			67		
03:45	1	4	2	8	3	15:45	44	169	20	105	64		
04:00	0	2			2	16:00	60	28			88		
04:15	1	2			3	16:15	75	24			99		
04:30	3	6			9	16:30	54	23			77		
04:45	3	7	17	27	20	16:45	54	243	21	96	75		
05:00	1	11			12	17:00	59	33			92		
05:15	1	11			12	17:15	71	27			98		
05:30	3	14			17	17:30	53	25			78		
05:45	3	8	29	65	32	17:45	49	232	16	101	65		
06:00	3	41			44	18:00	45	19			64		
06:15	0	41			41	18:15	32	14			46		
06:30	11	58			69	18:30	35	20			55		
06:45	18	32	57	197	75	18:45	29	141	15	68	44		
07:00	18	60			78	19:00	30	15			45		
07:15	17	44			61	19:15	30	13			43		
07:30	19	36			55	19:30	21	20			41		
07:45	18	72	45	185	63	19:45	23	104	18	66	41		
08:00	21	38			59	20:00	18	8			26		
08:15	23	38			61	20:15	23	13			36		
08:30	18	33			51	20:30	20	5			25		
08:45	18	80	31	140	49	20:45	11	72	9	35	20		
09:00	17	41			58	21:00	20	7			27		
09:15	24	25			49	21:15	20	5			25		
09:30	17	32			49	21:30	8	6			14		
09:45	24	82	35	133	59	21:45	12	60	2	20	14		
10:00	20	27			47	22:00	9	7			16		
10:15	21	13			34	22:15	10	3			13		
10:30	20	50			70	22:30	11	2			13		
10:45	17	78	24	114	41	22:45	4	34	3	15	7		
11:00	28	28			56	23:00	4	3			7		
11:15	31	36			67	23:15	4	0			4		
11:30	21	18			39	23:30	7	1			8		
11:45	22	102	22	104	44	23:45	1	16	0	4	1		
TOTALS	481	987			1468	TOTALS	1397	832			2229		
SPLIT %	32.8%	67.2%			39.7%	SPLIT %	62.7%	37.3%			60.3%		

DAILY TOTALS					NB	SB	EB					WB	Total
					1,878	1,819						0	0

DAILY TOTALS					NB	SB	EB	WB	Total
					1,878	1,819	0	0	3,697
AM Peak Hour	11:00	06:30		06:30	PM Peak Hour	16:00	12:45		16:15
AM Pk Volume	102	219		283	PM Pk Volume	243	120		343
Pk Hr Factor	0.823	0.913		0.907	Pk Hr Factor	0.810	0.769		0.866
7 - 9 Volume	152	325	0	0	4 - 6 Volume	475	197	0	0
7 - 9 Peak Hour	07:30	07:00		07:00	4 - 6 Peak Hour	16:00	16:45		16:15
7 - 9 Pk Volume	81	185	0	0	4 - 6 Pk Volume	243	106	0	0
Pk Hr Factor	0.880	0.771	0.000	0.000	Pk Hr Factor	0.810	0.803	0.000	0.000

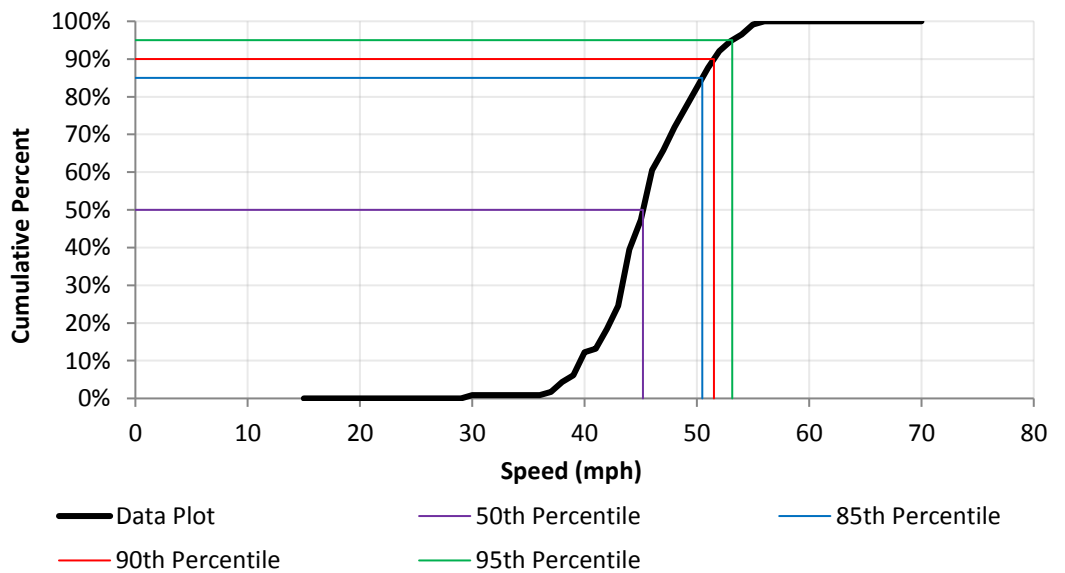
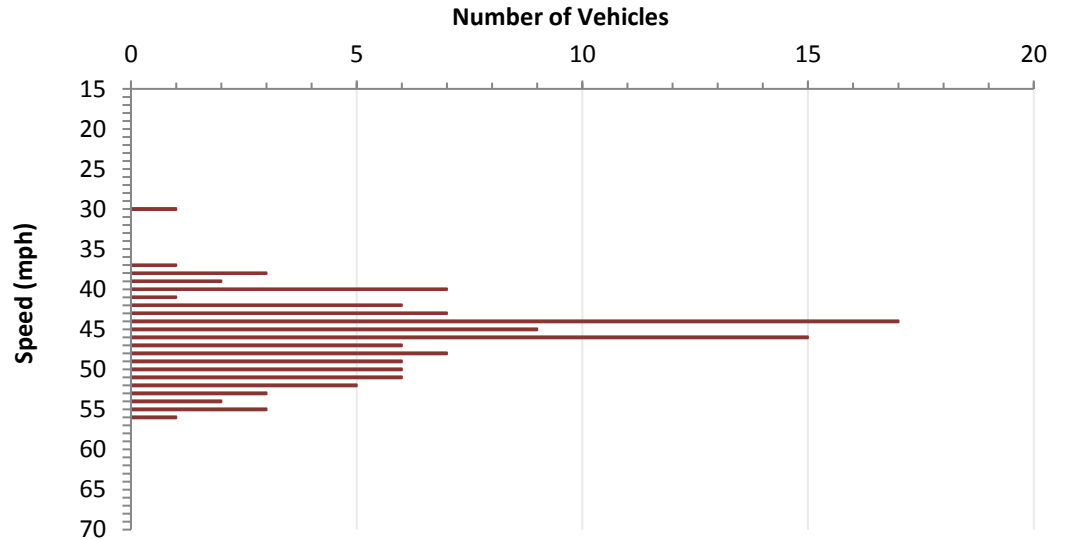


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Gird Road	From:	1,000' S/o Oak Cliff Dr	To:	Reche Rd
Position:	4000 Feet S/O Reche Rd	Direction:	N/S		
Date:	12/6/2017	Weather:	Clear	Project Number:	0
Time Start:	9:20 AM	Road Condition:	DRY	Observer:	Baraa Almnaseer/Trid
Time End:	10:00 AM	Posted Speed:	45	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	1	0.9%
31		
32		
33		
34		
35		
36		
37	1	1.8%
38	3	4.4%
39	2	6.1%
40	7	12.3%
41	1	13.2%
42	6	18.4%
43	7	24.6%
44	17	39.5%
45	9	47.4%
46	15	60.5%
47	6	65.8%
48	7	71.9%
49	6	77.2%
50	6	82.5%
51	6	87.7%
52	5	92.1%
53	3	94.7%
54	2	96.5%
55	3	99.1%
56	1	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	114	



DATA ANALYSIS

Average Speed	46.0	Range	30 - 56
50th Percentile	45.2	10 mph Pace	42 - 51
85th Percentile	50.5	Number in Pace	85
90th Percentile	51.5	Percent in Pace	75%
95th Percentile	53.2		