

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

December 8, 2017 ~ 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.	INTERSECTION CONTROL	APPLE ST & LA PRESA AVE	SPRING VALLEY	SPRING VALLEY
2-B.	RADAR RECERTIFICATION	CAMPO RD/SWEETWATER SPRINGS BLVD	VALLE DE ORO/ SPRING VALLEY	VALLE DE ORO/ SPRING VALLEY
2-C.	RADAR RECERTIFICATION	AVOCADO BLVD	VALLE DE ORO	VALLE DE ORO
2-D.	RADAR RECERTIFICATION	MONTECITO RD	RAMONA	RAMONA
<u>SUPERVISORIAL DISTRICT 5</u>				
5-A.	RADAR RECERTIFICATION	MISSION RD	FALLBROOK	FALLBROOK
5-B.	RADAR RECERTIFICATION	MISSION RD	FALLBROOK	FALLBROOK

2-A. Intersection Control

Apple Street at La Presa Avenue and Banock Street



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

LOCATION: Apple Street at La Presa Avenue/Banock Street
SPRING VALLEY (Thos. Bros.1291-C2)

INITIATED BY: DPW Traffic Engineering

REQUEST: All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

This intersection does not conform to a standard 4-legged intersection. La Presa Avenue and Banock Street legs entering Apple Street are both on the south side of the intersection at skewed angles.

Existing Traffic Devices

La Presa Avenue is a roadway that intersects Banock Street, runs north/south and measures 36 feet wide. It is stopped controlled in the northbound direction on Banock Street. This roadway is unclassified on the County General Plan Mobility Element Network.

Banock Street runs north/south, it is a striped two-lane roadway that intersects Apple Street and is stop controlled in the northbound direction. It measures 36 feet wide. This roadway is unclassified on the County General Plan Mobility Element Network.

Apple Street is a roadway that runs east/west and measures 40 feet wide. It is a striped two-lane roadway. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

	<u>11/16</u>
Apple Street	5,120 EB 4,850 WB
La Presa Avenue	675 NB
Banock Street	660 NB

Collision Data

There have been five reported collisions at this intersection, one of which involved injury in the last 5 year 4 month period (3-1-12 to 6-30-17). These collisions result in an intersection accident rate of 0.23 collisions per million vehicle entering. The statewide average is 0.14 collisions per million vehicle entering for similar intersections.



County of San Diego

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

COUNTY TRAFFIC ENGINEER RECOMMENDATION.

Date: November 7, 2017

Item Title: All-way stop control

Location: Apple Street and La Presa Avenue/Banock Street Intersection

CTE Recommendation: Install all-way stop controls *ZHO*

Conditions:

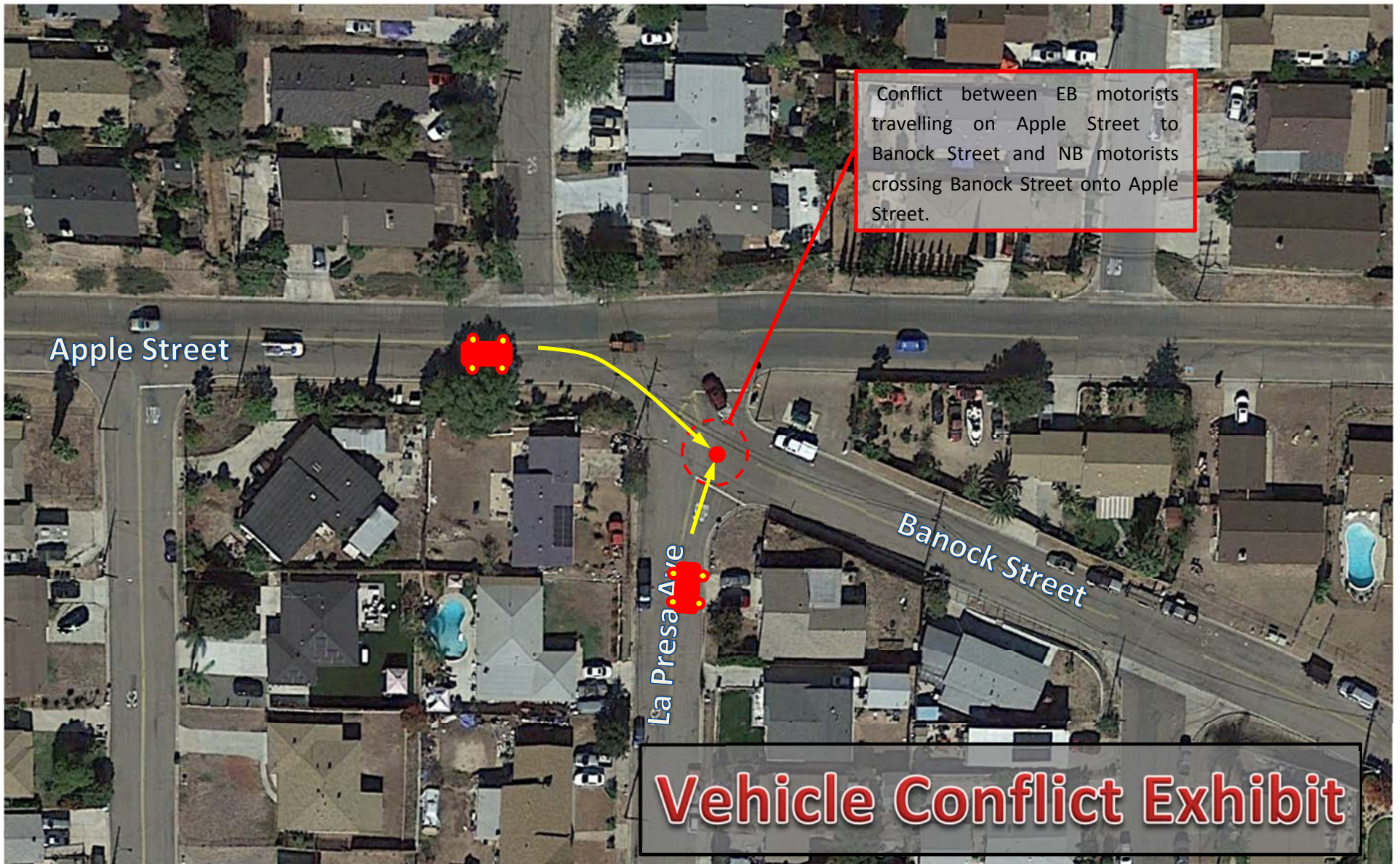
- Section 2B.07 "Multi-Way Stop Applications" of the California MUTCD, provides four optional criteria that may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Option C of this section, lack of sight distance, indicates all-way stop controls can be considered when motorists are unable to see conflicting traffic to determine when it is safe to enter the intersection.
- The intersection does not conform to a standard or typical T-intersection. La Presa Avenue and Banock Street intersect just before entering the intersection on the south. These two streets, together they form the stem of the T-intersection at a skewed angle.
- Motorists approaching the intersection from La Presa Avenue take significant corner sight distance looking west to be able to properly judge traffic gap on Apple Street eastbound approach.
- Existing corner sight distance for La Presa Avenue approach is 95 feet as measured in the field, whereas the required corner sight distance per County Public Road Standards is greater than 400 feet.

- There have been 17 reported collisions in the past five (5) years at this intersection, of which five (5) collisions involved injuries. Of these collisions, three (3) are right-of-way collisions that would be correctable with an all-way stop control.
- Therefore, an all-way stop control at Apple Street and La Presa Avenue/Banock Street is recommended and desired to mitigate for inadequate sight distance.
- It is also recommended that La Presa Avenue/Banock Street approach crossing be marked with a continental marking for better pedestrian crossing visibility in accordance with the County crosswalk marking standards.

APPLE STREET @ LA PRESA AVENUE/BANOCK STREET
SPRING VALLEY



APPLE STREET @ LA PRESA AVENUE/BANOCK STREET
SPRING VALLEY



APPLE STREET @ LA PRESA AVENUE/BANOCK STREET
SPRING VALLEY



APPLE STREET @ LA PRESA AVENUE/BANOCK STREET
SPRING VALLEY



From: Lora Lowes [<mailto:loralowessvcpg@yahoo.com>]

Sent: Wednesday, November 15, 2017 12:03 AM

To: Ouadah, Zoubir <Zoubir.Ouadah@sdcounty.ca.gov>; Jones, Kenton R.
<Kenton.Jones@sdcounty.ca.gov>

Subject: All Way Stop

Zoubir - Thank you for addressing the Planning Group tonight regarding an all-2way stop at the intersections of Apple St./ Banock Dr./ La Presa St.. Your presentation was clear and precise.

The Spring Valley Community Planning voted to recommend the project

The motion by Jim Custeau, seconded by John Eugenio was: Endorse the traffic engineer;s study and support moving ahead on the 4 way stop and continue assessing the intersection and possible relocation on Banock.

11 ayes, 0 nos, 0 abstentions and 4 absent.

Again my thanks

Lora Lowes, Chair
Spring Valley Community
Planning Group

VOLUME

Apple St W/O La Presa Ave

Day: Thursday
Date: 6/9/2016City: Spring Valley
Project #: CA16_4172_004

DAILY TOTALS					NB	SB	EB		WB		Total
					0	0	5,122		0		5,122
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00			22	0	22	12:00			45	0	45
0:15			23	0	23	12:15			33	0	33
0:30			17	0	17	12:30			54	0	54
0:45			21	83	21 83	12:45			75	207	75 207
1:00			12	0	12	13:00			65	0	65
1:15			14	0	14	13:15			68	0	68
1:30			13	0	13	13:30			69	0	69
1:45			10	49	10 49	13:45			81	283	81 283
2:00			6	0	6	14:00			76	0	76
2:15			5	0	5	14:15			79	0	79
2:30			7	0	7	14:30			98	0	98
2:45			5	23	5 23	14:45			76	329	76 329
3:00			7	0	7	15:00			108	0	108
3:15			5	0	5	15:15			84	0	84
3:30			3	0	3	15:30			109	0	109
3:45			6	21	6 21	15:45			125	426	125 426
4:00			1	0	1	16:00			130	0	130
4:15			5	0	5	16:15			103	0	103
4:30			13	0	13	16:30			112	0	112
4:45			6	25	6 25	16:45			104	449	104 449
5:00			8	0	8	17:00			113	0	113
5:15			4	0	4	17:15			98	0	98
5:30			8	0	8	17:30			119	0	119
5:45			18	38	18 38	17:45			116	446	116 446
6:00			12	0	12	18:00			100	0	100
6:15			17	0	17	18:15			124	0	124
6:30			24	0	24	18:30			101	0	101
6:45			49	102	49 102	18:45			102	427	102 427
7:00			47	0	47	19:00			89	0	89
7:15			36	0	36	19:15			99	0	99
7:30			63	0	63	19:30			78	0	78
7:45			66	212	66 212	19:45			95	361	95 361
8:00			70	0	70	20:00			64	0	64
8:15			52	0	52	20:15			93	0	93
8:30			55	0	55	20:30			87	0	87
8:45			58	235	58 235	20:45			86	330	86 330
9:00			59	0	59	21:00			89	0	89
9:15			28	0	28	21:15			54	0	54
9:30			32	0	32	21:30			76	0	76
9:45			38	157	38 157	21:45			68	287	68 287
10:00			43	0	43	22:00			48	0	48
10:15			41	0	41	22:15			41	0	41
10:30			40	0	40	22:30			46	0	46
10:45			40	164	40 164	22:45			47	182	47 182
11:00			41	0	41	23:00			27	0	27
11:15			40	0	40	23:15			42	0	42
11:30			51	0	51	23:30			24	0	24
11:45			39	171	39 171	23:45			22	115	22 115
TOTALS	1280				1280	TOTALS	3842				3842
SPLIT %	100.0%				25.0%	SPLIT %	100.0%				75.0%

DAILY TOTALS				NB	SB	EB	WB	Total
				0	0	5,122	0	5,122
AM Peak Hour		7:30		7:30	PM Peak Hour		15:45	15:45
AM Pk Volume		251		251	PM Pk Volume		470	470
Pk Hr Factor		0.896		0.896	Pk Hr Factor		0.904	0.904
7 - 9 Volume		447		447	4 - 6 Volume		895	895
7 - 9 Peak Hour		7:30		7:30	4 - 6 Peak Hour		16:00	16:00
7 - 9 Pk Volume		251		251	4 - 6 Pk Volume		449	449
Pk Hr Factor		0.896		0.896	Pk Hr Factor		0.863	0.863

VOLUME

Apple St E/O La Presa Ave

Day: Thursday
Date: 6/9/2016City: Spring Valley
Project #: CA16_4172_007

DAILY TOTALS					NB	SB	EB					WB	Total
					0	0	0					4,851	4,851
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
0:00			0	4	4		12:00			0	44	44	
0:15			0	11	11		12:15			0	60	60	
0:30			0	11	11		12:30			0	62	62	
0:45			0	8	8	34	12:45			0	50	216	50 216
1:00			0	1	1		13:00			0	62	62	
1:15			0	8	8		13:15			0	51	51	
1:30			0	10	10		13:30			0	74	74	
1:45			0	4	4	23	13:45			0	52	239	52 239
2:00			0	6	6		14:00			0	54	54	
2:15			0	3	3		14:15			0	81	81	
2:30			0	1	1		14:30			0	72	72	
2:45			0	3	3	13	14:45			0	62	269	62 269
3:00			0	9	9		15:00			0	74	74	
3:15			0	5	5		15:15			0	60	60	
3:30			0	7	7		15:30			0	61	61	
3:45			0	11	11	32	15:45			0	67	262	67 262
4:00			0	11	11		16:00			0	43	43	
4:15			0	24	24		16:15			0	83	83	
4:30			0	28	28		16:30			0	76	76	
4:45			0	22	22	85	16:45			0	76	278	76 278
5:00			0	33	33		17:00			0	59	59	
5:15			0	52	52		17:15			0	89	89	
5:30			0	61	61		17:30			0	79	79	
5:45			0	75	75	221	17:45			0	68	295	68 295
6:00			0	82	82		18:00			0	80	80	
6:15			0	78	78		18:15			0	73	73	
6:30			0	111	111		18:30			0	74	74	
6:45			0	78	78	349	18:45			0	63	290	63 290
7:00			0	106	106		19:00			0	76	76	
7:15			0	91	91		19:15			0	67	67	
7:30			0	95	95		19:30			0	39	39	
7:45			0	110	110	402	19:45			0	46	228	46 228
8:00			0	126	126		20:00			0	62	62	
8:15			0	91	91		20:15			0	52	52	
8:30			0	58	58		20:30			0	34	34	
8:45			0	63	63	338	20:45			0	66	214	66 214
9:00			0	84	84		21:00			0	52	52	
9:15			0	79	79		21:15			0	33	33	
9:30			0	76	76		21:30			0	35	35	
9:45			0	87	87	326	21:45			0	33	153	33 153
10:00			0	56	56		22:00			0	24	24	
10:15			0	53	53		22:15			0	20	20	
10:30			0	59	59		22:30			0	29	29	
10:45			0	71	71	239	22:45			0	18	91	18 91
11:00			0	53	53		23:00			0	13	13	
11:15			0	45	45		23:15			0	20	20	
11:30			0	46	46		23:30			0	17	17	
11:45			0	53	53	197	23:45			0	7	57	7 57
TOTALS					2259	2259	TOTALS					2592	2592
SPLIT %					100.0%	46.6%	SPLIT %					100.0%	53.4%

DAILY TOTALS					NB	SB					EB	WB	Total	
					0	0					0	4,851	4,851	
AM Peak Hour				7:15	7:15		PM Peak Hour				17:15	17:15		
AM Pk Volume				422	422		PM Pk Volume				316	316		
Pk Hr Factor				0.837	0.837		Pk Hr Factor				0.888	0.888		
7 - 9 Volume				740	740		4 - 6 Volume				573	573		
7 - 9 Peak Hour				7:15	7:15		4 - 6 Peak Hour				16:45	16:45		
7 - 9 Pk Volume				422	422		4 - 6 Pk Volume				303	303		
Pk Hr Factor				0.837	0.837		Pk Hr Factor				0.851	0.851		

VOLUME

La Presa Ave S/O Apple St

Day: Thursday
Date: 6/9/2016City: Spring Valley
Project #: CA16_4172_005

DAILY TOTALS					NB	SB	EB		WB		Total
					674	0	0		0		674
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
0:00	1	0			1	12:00	6	0			6
0:15	3	0			3	12:15	10	0			10
0:30	0	0			0	12:30	16	0			16
0:45	0	4	0		4	12:45	14	46	0		60
1:00	2	0			2	13:00	9	0			9
1:15	2	0			2	13:15	11	0			11
1:30	0	0			0	13:30	10	0			10
1:45	1	5	0		6	13:45	3	33	0		36
2:00	0	0			0	14:00	8	0			8
2:15	0	0			0	14:15	13	0			13
2:30	0	0			0	14:30	20	0			20
2:45	0	0			0	14:45	12	53	0		65
3:00	3	0			3	15:00	12	0			12
3:15	0	0			0	15:15	5	0			5
3:30	0	0			0	15:30	15	0			15
3:45	0	3	0		3	15:45	20	52	0		72
4:00	2	0			2	16:00	15	0			15
4:15	1	0			1	16:15	13	0			13
4:30	5	0			5	16:30	9	0			9
4:45	0	8	0		8	16:45	5	42	0		47
5:00	4	0			4	17:00	13	0			13
5:15	4	0			4	17:15	6	0			6
5:30	5	0			5	17:30	15	0			15
5:45	7	20	0		27	17:45	13	47	0		60
6:00	8	0			8	18:00	18	0			18
6:15	10	0			10	18:15	12	0			12
6:30	5	0			5	18:30	11	0			11
6:45	12	35	0		47	18:45	5	46	0		51
7:00	13	0			13	19:00	14	0			14
7:15	11	0			11	19:15	3	0			3
7:30	10	0			10	19:30	7	0			7
7:45	11	45	0		56	19:45	11	35	0		46
8:00	14	0			14	20:00	14	0			14
8:15	15	0			15	20:15	4	0			4
8:30	4	0			4	20:30	6	0			6
8:45	11	44	0		55	20:45	2	26	0		28
9:00	1	0			1	21:00	8	0			8
9:15	13	0			13	21:15	2	0			2
9:30	4	0			4	21:30	2	0			2
9:45	0	18	0		18	21:45	8	20	0		28
10:00	12	0			12	22:00	6	0			6
10:15	9	0			9	22:15	5	0			5
10:30	5	0			5	22:30	7	0			7
10:45	3	29	0		32	22:45	7	25	0		32
11:00	11	0			11	23:00	7	0			7
11:15	4	0			4	23:15	1	0			1
11:30	4	0			4	23:30	2	0			2
11:45	9	28	0		37	23:45	0	10	0		10
TOTALS	239				239	TOTALS	435				435
SPLIT %	100.0%				35.5%	SPLIT %	100.0%				64.5%

DAILY TOTALS					NB	SB	EB	WB	Total
					674	0	0	0	674
AM Peak Hour	7:30			7:30	PM Peak Hour	15:30			15:30
AM Pk Volume	50			50	PM Pk Volume	63			63
Pk Hr Factor	0.833			0.833	Pk Hr Factor	0.788			0.788
7 - 9 Volume	89	0	0	89	4 - 6 Volume	89	0	0	89
7 - 9 Peak Hour	7:30			7:30	4 - 6 Peak Hour	17:00			17:00
7 - 9 Pk Volume	50	0	0	50	4 - 6 Pk Volume	47	0	0	47
Pk Hr Factor	0.833	0.000	0.000	0.833	Pk Hr Factor	0.783	0.000	0.000	0.783

VOLUME

Banock St S/O La Presa Ave

Day: Thursday
Date: 6/9/2016City: Spring Valley
Project #: CA16_4172_006

DAILY TOTALS					NB	SB	EB		WB	Total		
					659	0	0		0	659		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00	1	0			1	12:00	8	0			8	
0:15	2	0			2	12:15	4	0			4	
0:30	1	0			1	12:30	5	0			5	
0:45	2	6	0		2	12:45	11	28	0		11	28
1:00	4	0			4	13:00	11	0			11	
1:15	3	0			3	13:15	5	0			5	
1:30	1	0			1	13:30	4	0			4	
1:45	0	8	0		0	13:45	8	28	0		8	28
2:00	0	0			0	14:00	7	0			7	
2:15	4	0			4	14:15	8	0			8	
2:30	0	0			0	14:30	25	0			25	
2:45	0	4	0		0	14:45	8	48	0		8	48
3:00	1	0			1	15:00	4	0			4	
3:15	2	0			2	15:15	10	0			10	
3:30	1	0			1	15:30	0	0			0	
3:45	1	5	0		1	15:45	7	21	0		7	21
4:00	1	0			1	16:00	6	0			6	
4:15	5	0			5	16:15	10	0			10	
4:30	3	0			3	16:30	7	0			7	
4:45	5	14	0		5	16:45	5	28	0		5	28
5:00	9	0			9	17:00	12	0			12	
5:15	6	0			6	17:15	9	0			9	
5:30	5	0			5	17:30	9	0			9	
5:45	10	30	0		10	17:45	17	47	0		17	47
6:00	16	0			16	18:00	11	0			11	
6:15	12	0			12	18:15	7	0			7	
6:30	7	0			7	18:30	23	0			23	
6:45	14	49	0		14	18:45	7	48	0		7	48
7:00	25	0			25	19:00	5	0			5	
7:15	7	0			7	19:15	5	0			5	
7:30	6	0			6	19:30	10	0			10	
7:45	20	58	0		20	19:45	3	23	0		3	23
8:00	9	0			9	20:00	7	0			7	
8:15	10	0			10	20:15	10	0			10	
8:30	9	0			9	20:30	10	0			10	
8:45	6	34	0		6	20:45	6	33	0		6	33
9:00	9	0			9	21:00	7	0			7	
9:15	11	0			11	21:15	6	0			6	
9:30	7	0			7	21:30	7	0			7	
9:45	10	37	0		10	21:45	5	25	0		5	25
10:00	12	0			12	22:00	9	0			9	
10:15	7	0			7	22:15	6	0			6	
10:30	12	0			12	22:30	4	0			4	
10:45	2	33	0		2	22:45	6	25	0		6	25
11:00	1	0			1	23:00	6	0			6	
11:15	5	0			5	23:15	3	0			3	
11:30	4	0			4	23:30	3	0			3	
11:45	3	13	0		3	23:45	2	14	0		2	14
TOTALS	291				291	TOTALS	368				368	
SPLIT %	100.0%				44.2%	SPLIT %	100.0%				55.8%	

DAILY TOTALS					NB	SB	EB	WB	Total
					659	0	0	0	659
AM Peak Hour	6:15				6:15		PM Peak Hour	17:45	17:45
AM Pk Volume	58				58		PM Pk Volume	58	58
Pk Hr Factor	0.580				0.580		Pk Hr Factor	0.630	0.630
7 - 9 Volume	92				92		4 - 6 Volume	75	75
7 - 9 Peak Hour	7:00				7:00		4 - 6 Peak Hour	17:00	17:00
7 - 9 Pk Volume	58				58		4 - 6 Pk Volume	47	47
Pk Hr Factor	0.580				0.580		Pk Hr Factor	0.691	0.691

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017 **Item 2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Campo Road/Sweetwater Springs Boulevard from 400 feet east of S. Granada Avenue to Jamacha Boulevard (1.66 miles) VALLE DE ORO/SPRING VALLEY (Thos. Bros. 1271-E5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Campo Road/Sweetwater Springs Boulevard from 400 feet east of S. Granada Avenue to Jamacha Boulevard is posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Campo Road/Sweetwater Springs Boulevard is a striped four-lane Through Highway that varies from 60 feet to 74 feet in width. There are segments with a two-way left-turn lane separating both directions of travel. There are bike lanes along both sides of the roadway. The road is posted 45 MPH/Radar Certified. Campo Road is classified as a Boulevard and Sweetwater Springs Boulevard is classified as a Major Road on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>2/16</u>	<u>2/08</u>
Campo Rd/Sweetwater Springs Blvd:		
100' N/o Del Rio Road	27,360	26,690

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Campo Rd/Sweetwater Springs Boulevard:				
400' N/o Aqua Dulce Blvd	2017	48.0 MPH	37-46	73.0%
200' S/o Cristobal Drive	2016	51.0 MPH	41-50	76.0%
	2009	48.0 MPH	37-46	75.0%
200' N/o Moorpark Street	2016	51.0 MPH	41-50	76.0%
	2009	48.0 MPH	38-47	68.4%
Speed Zone	2017	50.3 MPH	40-49	72.0%

Collision Data

There have been 35 reported collisions along this segment of roadway, 9 of which involved injury, in a one year period (7-1-16 to 6-30-17). These collisions result in a segment accident rate of 2.12 collisions per million vehicle miles. The statewide average is 1.44 collisions per million vehicle miles for similar suburban divided 4-lane roads with speeds less than 55 mile per hour.

VOLUME

Sweetwater Springs Blvd 100' n/o Del Rio Rd

Day: Wednesday
Date: 2/10/2016City: Spring Valley
Project #: CA16_4036_001

DAILY TOTALS					NB	SB	EB		WB		Total
					13,742	13,617					0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	11	47			58	12:00	218	181			399
00:15	10	23			33	12:15	170	177			347
00:30	10	34			44	12:30	152	181			333
00:45	6	37	19	123	25 160	12:45	155	695	182	721	337 1416
01:00	8	13			21	13:00	155	180			335
01:15	11	24			35	13:15	156	180			336
01:30	4	9			13	13:30	189	205			394
01:45	3	26	16	62	19 88	13:45	181	681	212	777	393 1458
02:00	1	12			13	14:00	229	242			471
02:15	11	8			19	14:15	288	250			538
02:30	9	11			20	14:30	247	248			495
02:45	17	38	12	43	29 81	14:45	203	967	286	1026	489 1993
03:00	10	8			18	15:00	298	299			597
03:15	21	5			26	15:15	257	260			517
03:30	19	11			30	15:30	259	285			544
03:45	19	69	9	33	28 102	15:45	196	1010	255	1099	451 2109
04:00	27	15			42	16:00	196	266			462
04:15	32	4			36	16:15	197	302			499
04:30	39	9			48	16:30	226	298			524
04:45	56	154	13	41	69 195	16:45	264	883	278	1144	542 2027
05:00	101	16			117	17:00	230	317			547
05:15	107	27			134	17:15	226	292			518
05:30	156	28			184	17:30	231	295			526
05:45	160	524	48	119	208 643	17:45	192	879	321	1225	513 2104
06:00	207	54			261	18:00	200	277			477
06:15	232	70			302	18:15	168	297			465
06:30	221	71			292	18:30	187	279			466
06:45	268	928	177	372	445 1300	18:45	183	738	237	1090	420 1828
07:00	296	275			571	19:00	134	216			350
07:15	395	159			554	19:15	147	201			348
07:30	381	164			545	19:30	136	180			316
07:45	376	1448	276	874	652 2322	19:45	106	523	159	756	265 1279
08:00	403	264			667	20:00	109	194			303
08:15	254	161			415	20:15	74	183			257
08:30	230	173			403	20:30	71	163			234
08:45	193	1080	149	747	342 1827	20:45	102	356	155	695	257 1051
09:00	176	157			333	21:00	60	137			197
09:15	177	123			300	21:15	66	138			204
09:30	190	112			302	21:30	67	124			191
09:45	197	740	113	505	310 1245	21:45	64	257	111	510	175 767
10:00	227	107			334	22:00	49	91			140
10:15	168	131			299	22:15	31	107			138
10:30	165	126			291	22:30	36	78			114
10:45	199	759	140	504	339 1263	22:45	39	155	60	336	99 491
11:00	193	131			324	23:00	25	53			78
11:15	162	166			328	23:15	29	52			81
11:30	182	162			344	23:30	21	34			55
11:45	168	705	166	625	334 1330	23:45	15	90	51	190	66 280
TOTALS	6508		4048		10556	TOTALS	7234		9569		16803
SPLIT %	61.7%		38.3%		38.6%	SPLIT %	43.1%		56.9%		61.4%

DAILY TOTALS					NB	SB	EB	WB	Total
					13,742	13,617	0	0	27,359
AM Peak Hour	07:15	07:00			07:15	PM Peak Hour	14:15	17:00	14:45
AM Pk Volume	1555	874			2418	PM Pk Volume	1036	1225	2147
Pk Hr Factor	0.965	0.792			0.906	Pk Hr Factor	0.869	0.954	0.899
7 - 9 Volume	2528	1621			4149	4 - 6 Volume	1762	2369	4131
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	16:45	17:00	16:45
7 - 9 Pk Volume	1555	874			2418	4 - 6 Pk Volume	951	1225	2133
Pk Hr Factor	0.965	0.792			0.906	Pk Hr Factor	0.901	0.954	0.975

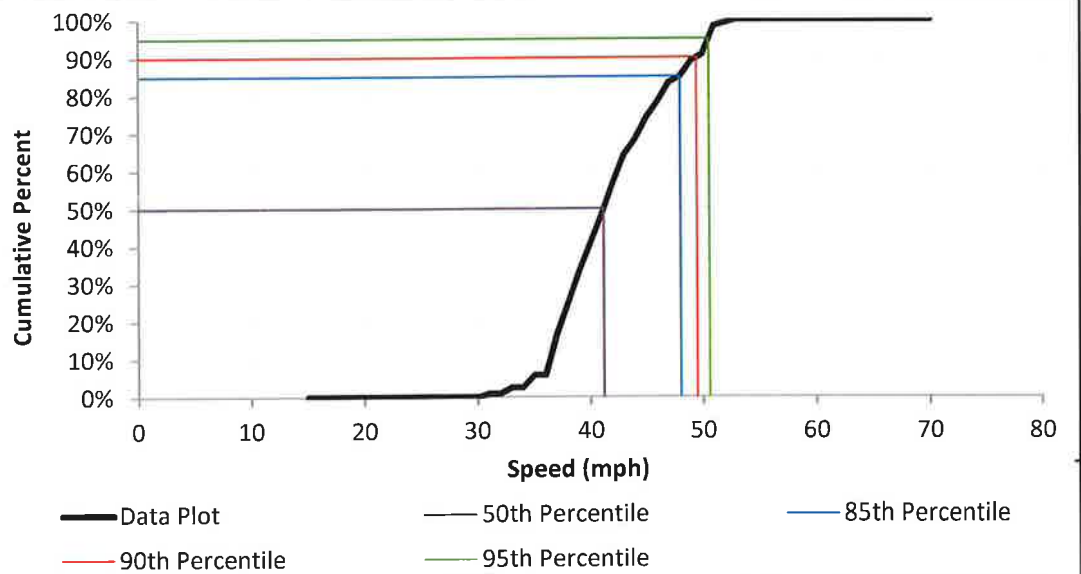
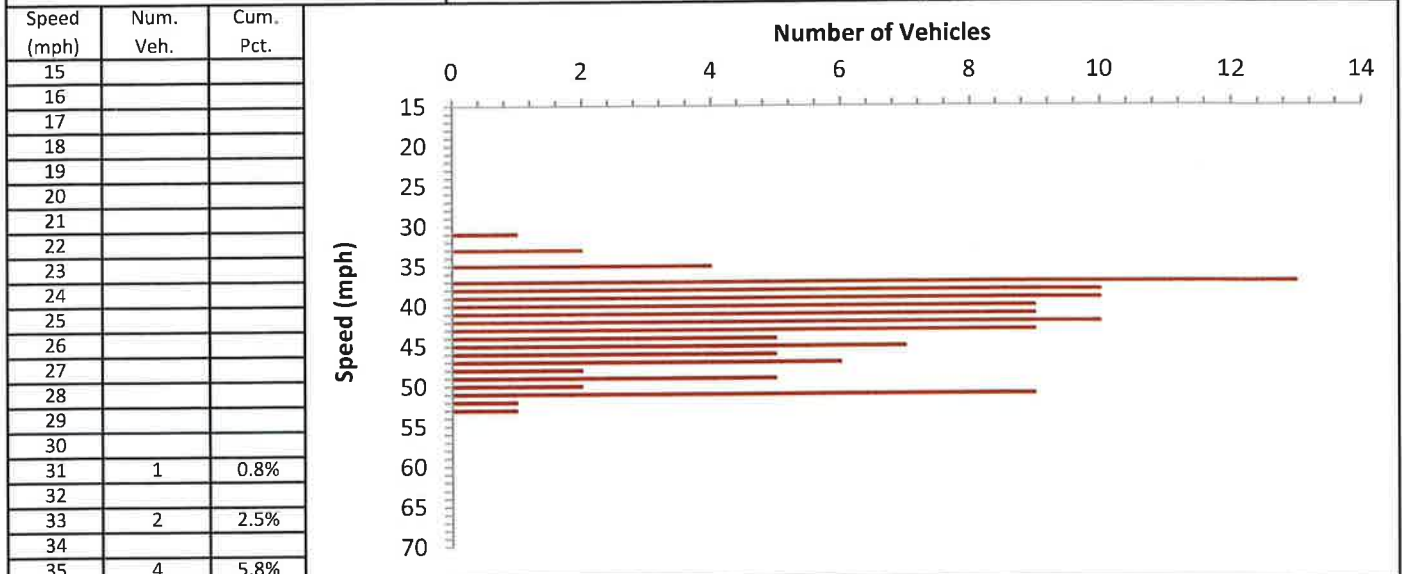


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd/Sweetwat	From:	400' E/o S Granada Ave	To:	Jamacha Blvd
Position:	400' N/o Aqua Dulce Blvd	Direction:	NB/SB		

Date:	10/31/2017	Weather:	Clear	Project Number:	0
Time Start:	9:30 AM	Road Condition:	Dry	Observer:	Baraa Almmaseer
Time End:	10:00 AM	Posted Speed:	45 mph	Calibration Test:	Y



DATA ANALYSIS

Average Speed	42.3	Range	31 - 53
50th Percentile	41.2	10 mph Pace	37 - 46
85th Percentile	48.0	Number in Pace	87
90th Percentile	49.5	Percent in Pace	73%
95th Percentile	50.6		

Spot Speed Study

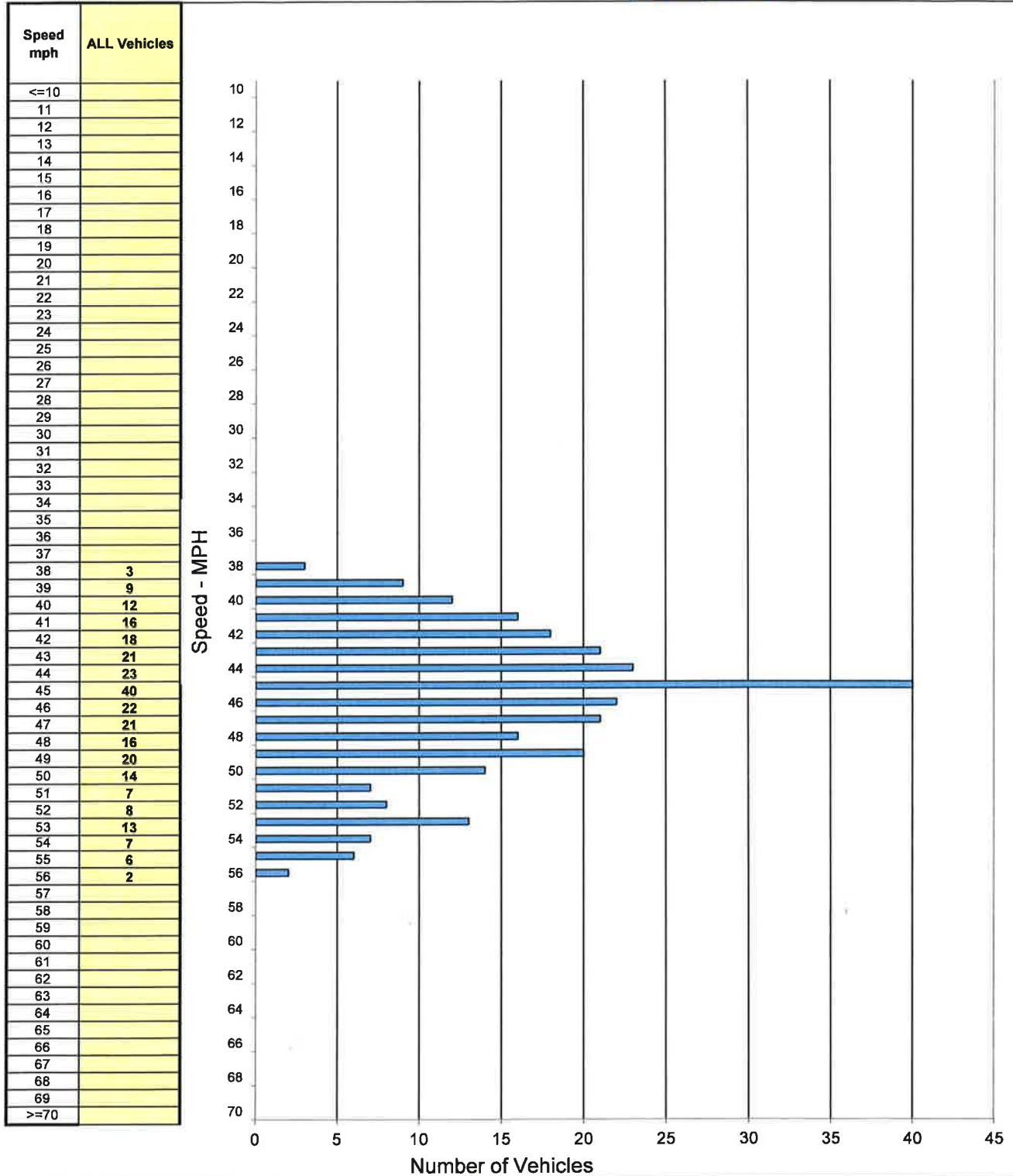
Prepared by: National Data & Surveying Services

City of Spring Valley

DATE: 2/9/2016
TIME: 09:00-11:00

Location: Sweetwater Springs Blvd 200' S/O Cristobal Dr
Posted Speed: 45 MPH Clear/Dry Project #: 16-4037-001

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	278	38 - 56	45 mph	51 mph	41 - 50	211	76%	8% / 24	16% / 43

Spot Speed Study

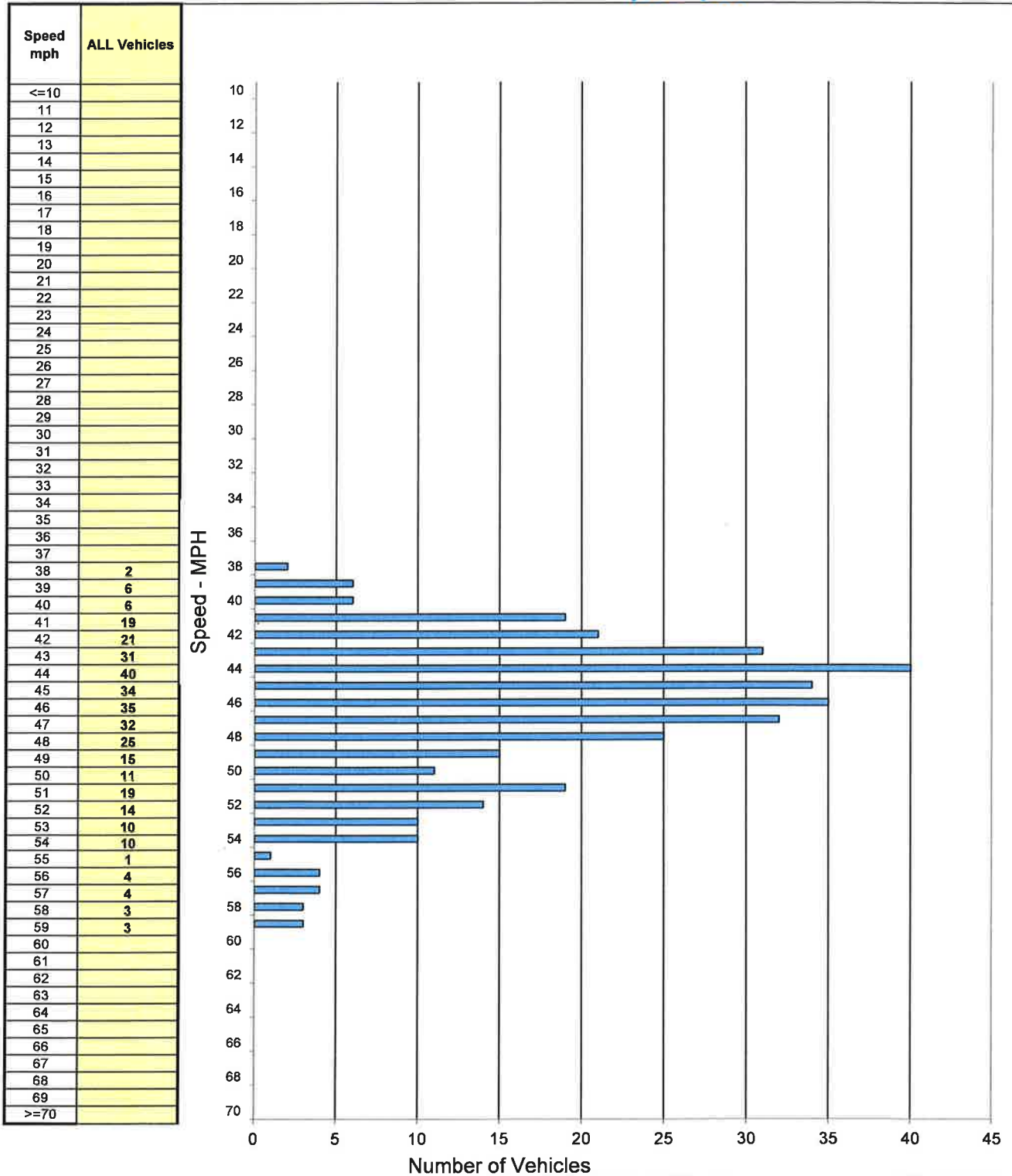
Prepared by: National Data & Surveying Services

City of Spring Valley

DATE: 2/9/2016
TIME: 11:10-13:10

Location: Sweetwater Springs Blvd 200' N/O Moorpark St
Posted Speed: 45 MPH Clear/Dry Project #: 16-4037-002

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	345	38 - 59	46 mph	51 mph	41 - 50	263	76%	4% / 14	20% / 68

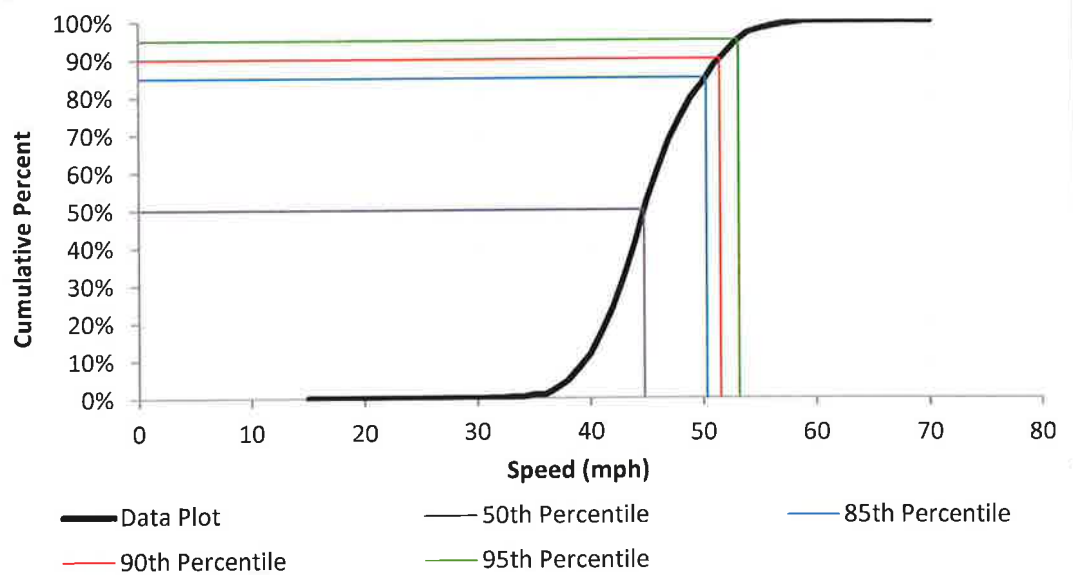
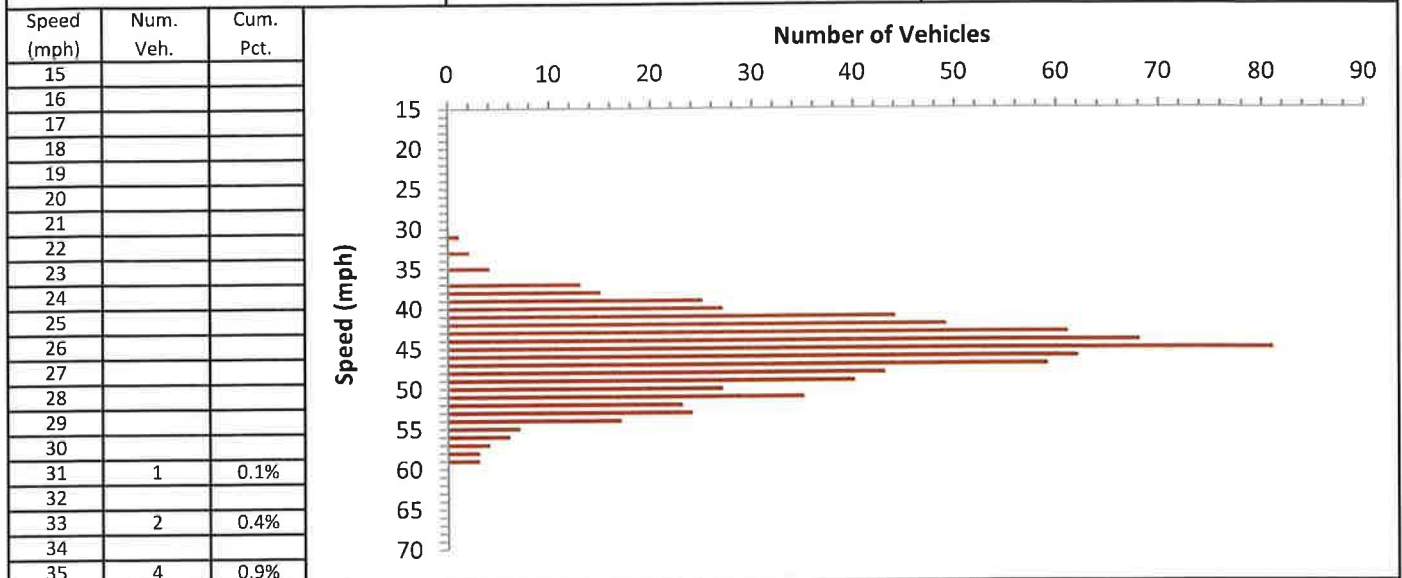


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Campo Rd/Sweetwat	From:	400' E/o S Granada Ave	To:	Jamacha Blvd
Position:	Speed Zone	Direction:	NB/SB		

Date:	10/31/2017	Weather:	Clear	Project Number:	0
Time Start:	9:30 AM	Road Condition:	Dry	Observer:	Baraa Almmaseer
Time End:	10:00 AM	Posted Speed:	45 mph	Calibration Test:	Y

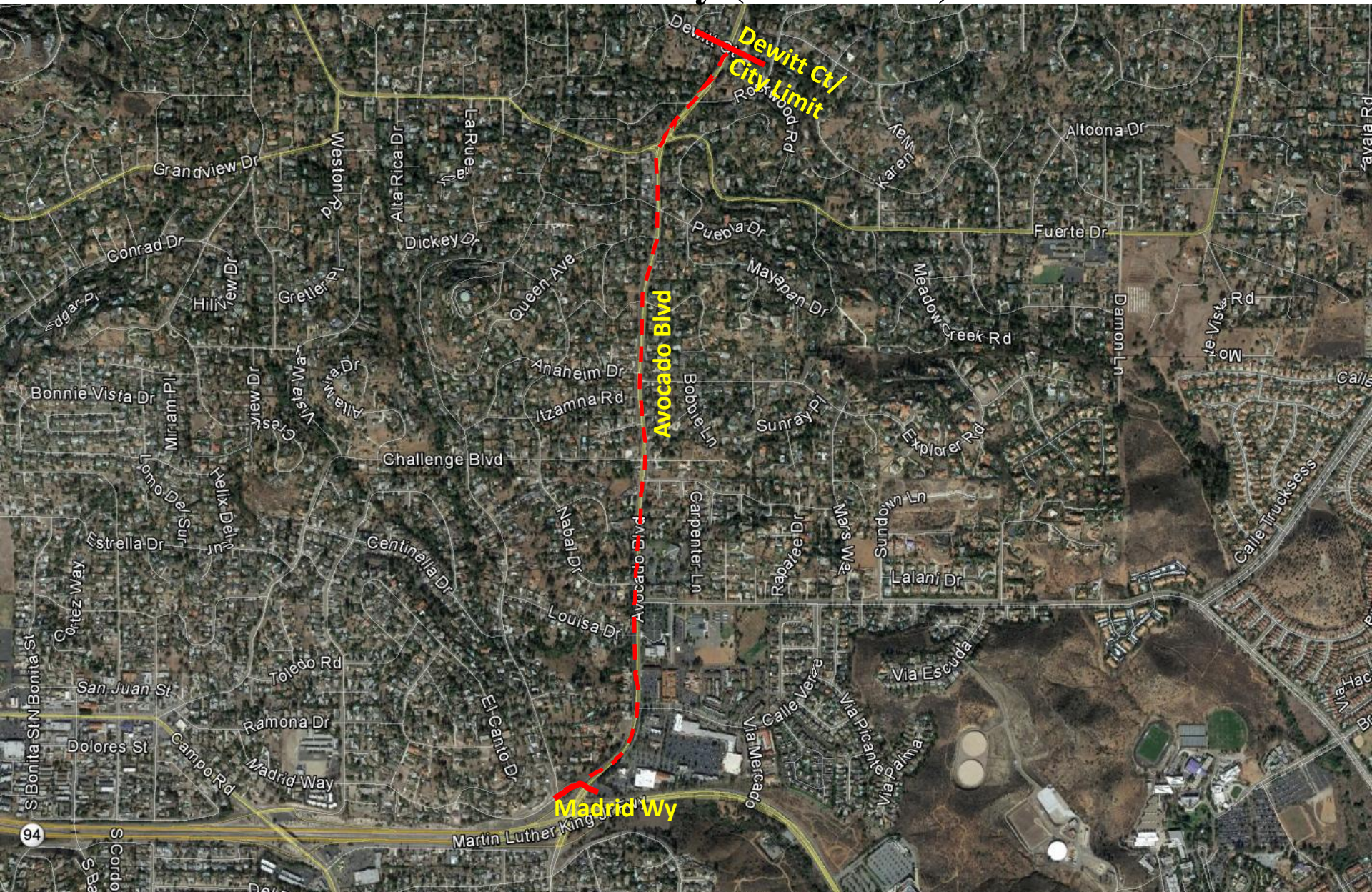


DATA ANALYSIS

Average Speed	45.7	Range	31 - 59
50th Percentile	44.8	10 mph Pace	40 - 49
85th Percentile	50.3	Number in Pace	534
90th Percentile	51.6	Percent in Pace	72%
95th Percentile	53.2		

**Avocado Blvd from El Cajon City Limit (near Dewitt Ct)
to Madrid Way (1.58 miles)**

**Avocado Blvd from El Cajon City Limit (near Dewitt Ct)
to Madrid Way (1.58 miles)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Avocado Boulevard from the El Cajon City Limit (near Dewitt Court) to Madrid Way (1.58 miles) VALLE DE ORO (Thos. Bros. 1271-G2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Avocado Boulevard, from the El Cajon City Limit (near Dewitt Court) to Madrid Way is posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Avocado Boulevard is a striped four-lane Through Highway that varies from 64 to 86 feet in width. There is a two-way left turn lane separating both directions of travel. There are bike lanes in place along a major segment of the roadway. The segment where bike lanes do not exist is signed as a Bike Route. The road is posted 45 MPH and is part of the CHP's radar enforcement program. The road is also posted 45 MPH in the City of El Cajon. This roadway is classified as a Major Road on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>4/16</u>	<u>9/09</u>
Avocado Boulevard:		
S/o Fuerte Drive	27,070	24,300

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
<u>Speed Data</u>				
Avocado Boulevard:				
280' S/o Morning Star Dr	2016	51.3 MPH	42-51	82.0%
	2009	48.9 MPH	40-49	72.3%
100' S/o Dewitt Ct	2016	51.0 MPH	43-52	79.0%
	2009	48.2 MPH	38-47	75.3%
Speed Zone	2017	51.2 MPH	42-51	80.0%

Collision Data

There have been 100 reported collisions along this segment of roadway, 44 of which involved injury, in a five year period (7-1-12 to 6-30-17). These collisions result in a segment accident rate of 1.28 collisions per million vehicle miles and an injury rate of 44%. 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.

Prepared by NDS/ATD

VOLUME

Avocado Blvd S/O Fuerte Dr

Day: Wednesday
Date: 4/27/2016City: El Cajon
Project #: CA16_4113_002

DAILY TOTALS					NB	SB	EB		WB		Total
					12,772	14,302	0		0		27,074
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	15	31			46	12:00	192	215			407
00:15	22	19			41	12:15	172	186			358
00:30	18	16			34	12:30	185	180			365
00:45	15	70	12	78	27 148	12:45	189	738	219	800	408 1538
01:00	15	11			26	13:00	189	193			382
01:15	7	6			13	13:15	205	192			397
01:30	8	17			25	13:30	186	207			393
01:45	9	39	10	44	19 83	13:45	180	760	222	814	402 1574
02:00	11	6			17	14:00	213	233			446
02:15	11	15			26	14:15	244	245			489
02:30	13	9			22	14:30	217	248			465
02:45	9	44	6	36	15 80	14:45	213	887	261	987	474 1874
03:00	12	9			21	15:00	221	281			502
03:15	11	4			15	15:15	246	330			576
03:30	6	5			11	15:30	298	325			623
03:45	6	35	8	26	14 61	15:45	332	1097	363	1299	695 2396
04:00	8	5			13	16:00	281	373			654
04:15	8	8			16	16:15	249	337			586
04:30	9	12			21	16:30	248	343			591
04:45	10	35	13	38	23 73	16:45	285	1063	387	1440	672 2503
05:00	27	22			49	17:00	263	363			626
05:15	34	38			72	17:15	235	359			594
05:30	52	50			102	17:30	233	353			586
05:45	62	175	52	162	114 337	17:45	195	926	343	1418	538 2344
06:00	101	71			172	18:00	176	292			468
06:15	113	84			197	18:15	187	297			484
06:30	133	128			261	18:30	169	244			413
06:45	194	541	144	427	338 968	18:45	144	676	225	1058	369 1734
07:00	210	143			353	19:00	125	175			300
07:15	245	175			420	19:15	124	163			287
07:30	315	227			542	19:30	119	166			285
07:45	345	1115	298	843	643 1958	19:45	109	477	155	659	264 1136
08:00	277	238			515	20:00	116	140			256
08:15	224	210			434	20:15	125	137			262
08:30	231	208			439	20:30	104	111			215
08:45	240	972	213	869	453 1841	20:45	87	432	124	512	211 944
09:00	218	191			409	21:00	95	110			205
09:15	190	172			362	21:15	71	117			188
09:30	167	191			358	21:30	74	86			160
09:45	151	726	166	720	317 1446	21:45	71	311	70	383	141 694
10:00	158	161			319	22:00	61	72			133
10:15	148	165			313	22:15	51	56			107
10:30	177	154			331	22:30	39	48			87
10:45	181	664	182	662	363 1326	22:45	29	180	32	208	61 388
11:00	179	177			356	23:00	29	32			61
11:15	168	171			339	23:15	33	27			60
11:30	167	171			338	23:30	38	23			61
11:45	178	692	195	714	373 1406	23:45	17	117	23	105	40 222
TOTALS	5108	4619			9727	TOTALS	7664	9683			17347
SPLIT %	52.5%	47.5%			35.9%	SPLIT %	44.2%	55.8%			64.1%

DAILY TOTALS					NB	SB	EB		WB		Total
					12,772	14,302	0		0		27,074

DAILY TOTALS					NB	SB	EB	WB	Total
					12,772	14,302	0	0	27,074
AM Peak Hour	07:15	07:30		07:30					15:30
AM Pk Volume	1182	973		2134					2558
Pk Hr Factor	0.857	0.816		0.830					0.920
7 - 9 Volume	2087	1712		3799					4847
7 - 9 Peak Hour	07:15	07:30		07:30					16:00
7 - 9 Pk Volume	1182	973		2134					2503
Pk Hr Factor	0.857	0.816		0.830					0.931
PM Peak Hour	15:30	16:45		15:30					
PM Pk Volume	1160	1462		2622					
Pk Hr Factor	0.873	0.944		0.908					
4 - 6 Volume	1989	2858		4847					
4 - 6 Peak Hour	16:00	16:45		16:00					
4 - 6 Pk Volume	1063	1462		2525					
Pk Hr Factor	0.932	0.944		0.938					

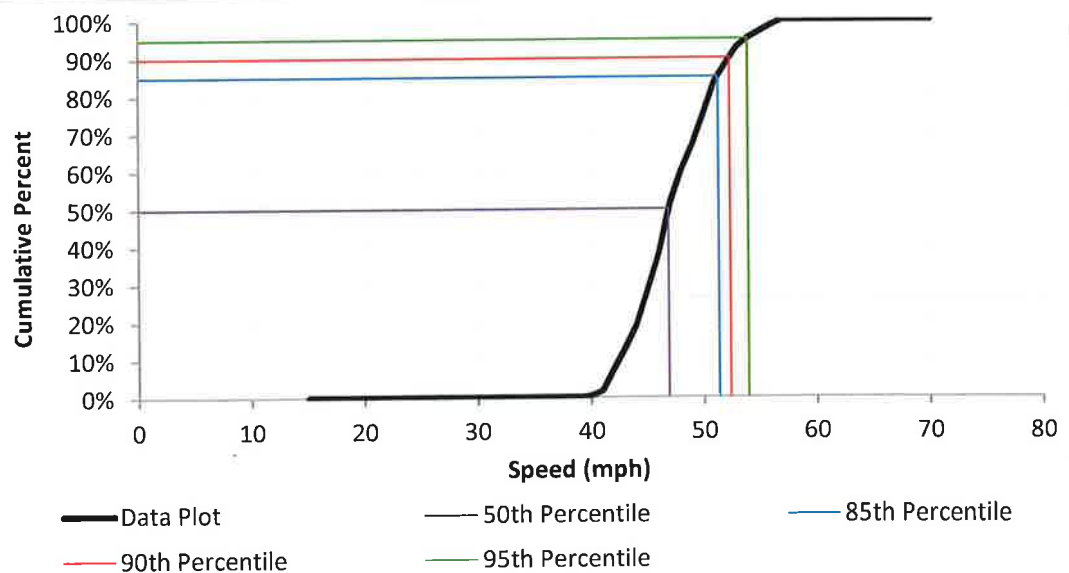
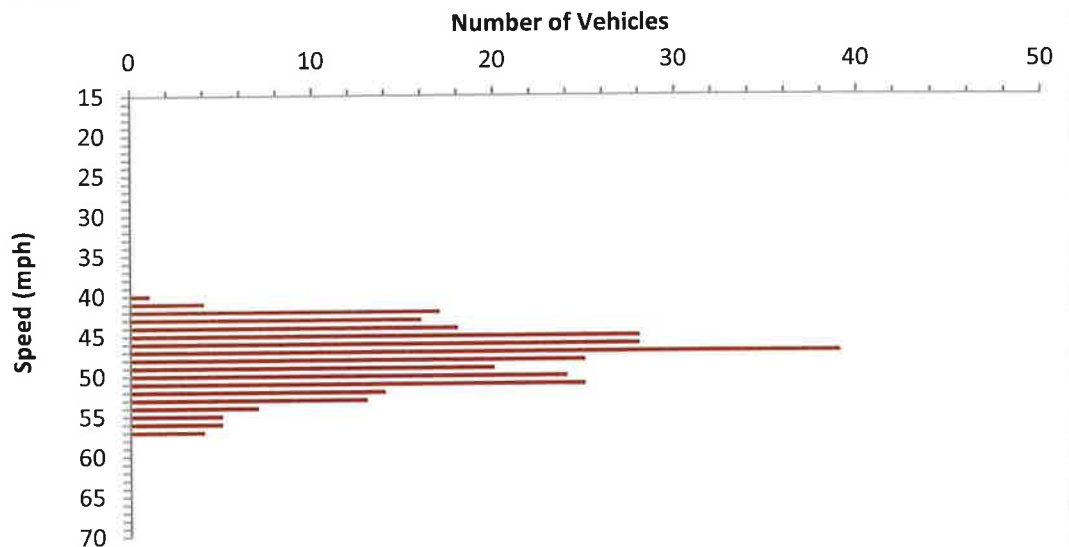


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Avocado Blvd	From:	El Cajon City Limit	To:	Madrid Way
Position:	280' S/o Morning Star Dr	Direction:	SB/NB		
Date:	4/26/2016	Weather:	Clear	Project Number:	0
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor-county fo
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		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40	1	0.3%
41	4	1.7%
42	17	7.5%
43	16	13.0%
44	18	19.1%
45	28	28.7%
46	28	38.2%
47	39	51.5%
48	25	60.1%
49	20	66.9%
50	24	75.1%
51	25	83.6%
52	14	88.4%
53	13	92.8%
54	7	95.2%
55	5	96.9%
56	5	98.6%
57	4	100.0%
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	293	



DATA ANALYSIS

Average Speed	47.8	Range	40 - 57
50th Percentile	46.9	10 mph Pace	42 - 51
85th Percentile	51.3	Number in Pace	240
90th Percentile	52.4	Percent in Pace	82%
95th Percentile	53.9		



RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Avocado Blvd	From:	El Cajon City Limit	To:	Madrid Way
Position:	100' S/o Dewitt Ct	Direction:	SB/NB		
Date:	4/26/2016	Weather:	Clear	Project Number:	0
Time Start:	12:00pm	Road Condition:	Dry	Observer:	Contractor-county fo
Time End:	2:00 PM	Posted Speed:	45 mph	Calibration Test:	0

Speed (mph)	Num. Veh.	Cum. Pct.	Number of Vehicles	
15			0	5
16			10	15
17			20	25
18			30	35
19			40	
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36	2	0.7%		
37				
38	3	1.9%		
39	2	2.6%		
40	3	3.7%		
41	7	6.3%		
42	13	11.2%		
43	15	16.7%		
44	16	22.7%		
45	36	36.1%		
46	29	46.8%		
47	26	56.5%		
48	23	65.1%		
49	23	73.6%		
50	18	80.3%		
51	12	84.8%		
52	14	90.0%		
53	6	92.2%		
54	6	94.4%		
55	2	95.2%		
56	3	96.3%		
57	4	97.8%		
58	3	98.9%		
59	3	100.0%		
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
Total	269			

Speed (mph)

Speed (mph)	Num. Veh.
36	2
38	3
39	2
40	3
41	7
42	13
43	15
44	16
45	36
46	29
47	26
48	23
49	23
50	18
51	12
52	14
53	6
54	6
55	2
56	3
57	4
58	3
59	3

Cumulative Percent

Speed (mph)	Cumulative Percent
36	0.7%
38	1.9%
39	2.6%
40	3.7%
41	6.3%
42	11.2%
43	16.7%
44	22.7%
45	36.1%
46	46.8%
47	56.5%
48	65.1%
49	73.6%
50	80.3%
51	84.8%
52	90.0%
53	92.2%
54	94.4%
55	95.2%
56	96.3%
57	97.8%
58	98.9%
59	100.0%

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

DATA ANALYSIS				
Average Speed	47.3	Range	36 - 59	
50th Percentile	46.3	10 mph Pace	43 - 52	
85th Percentile	51.0	Number in Pace	212	
90th Percentile	52.0	Percent in Pace	79%	
95th Percentile	54.8			

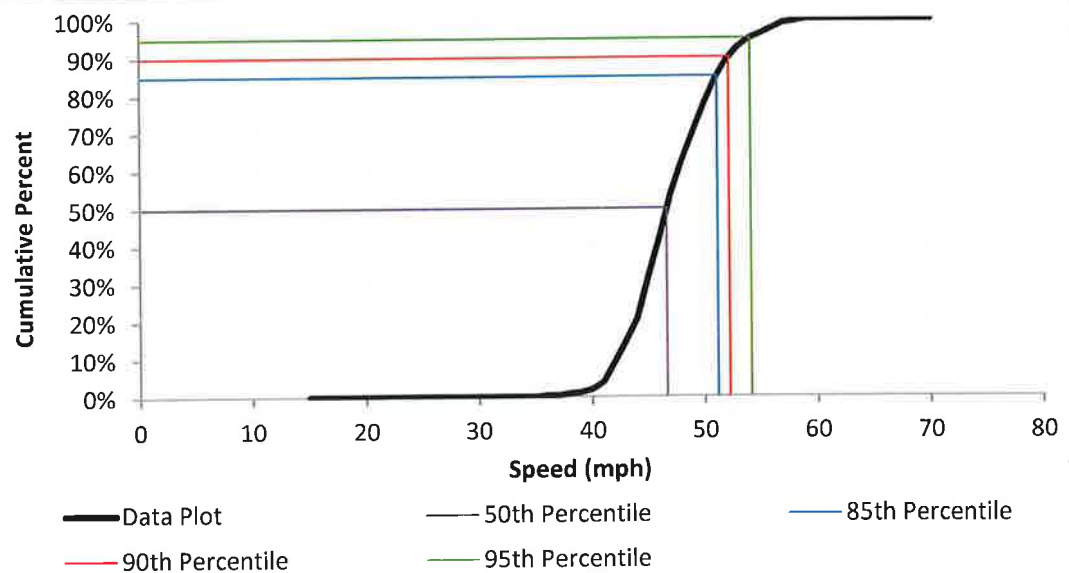
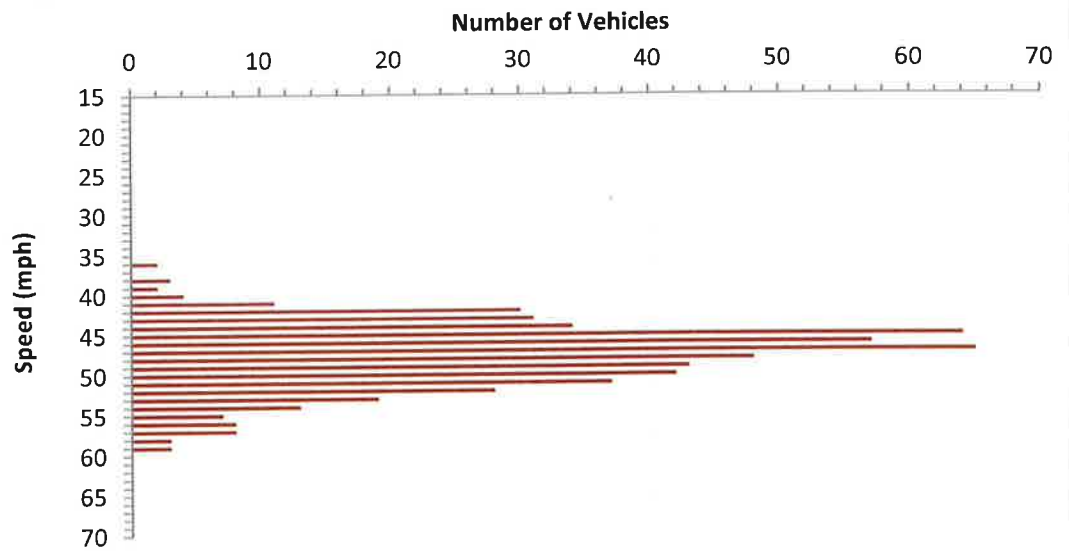


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Avocado Blvd	From:	El Cajon City Limit	To:	Madrid Way
Position:	Speed Zone	Direction:	NB/SB		
Date:	4/26/2017	Weather:	Clear	Project Number:	1.58 miles
Time Start:	9:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	2:00 PM	Posted Speed:	45 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	2	0.4%
37		
38	3	0.9%
39	2	1.2%
40	4	2.0%
41	11	3.9%
42	30	9.3%
43	31	14.8%
44	34	20.8%
45	64	32.2%
46	57	42.3%
47	65	53.9%
48	48	62.5%
49	43	70.1%
50	42	77.6%
51	37	84.2%
52	28	89.1%
53	19	92.5%
54	13	94.8%
55	7	96.1%
56	8	97.5%
57	8	98.9%
58	3	99.5%
59	3	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	562	

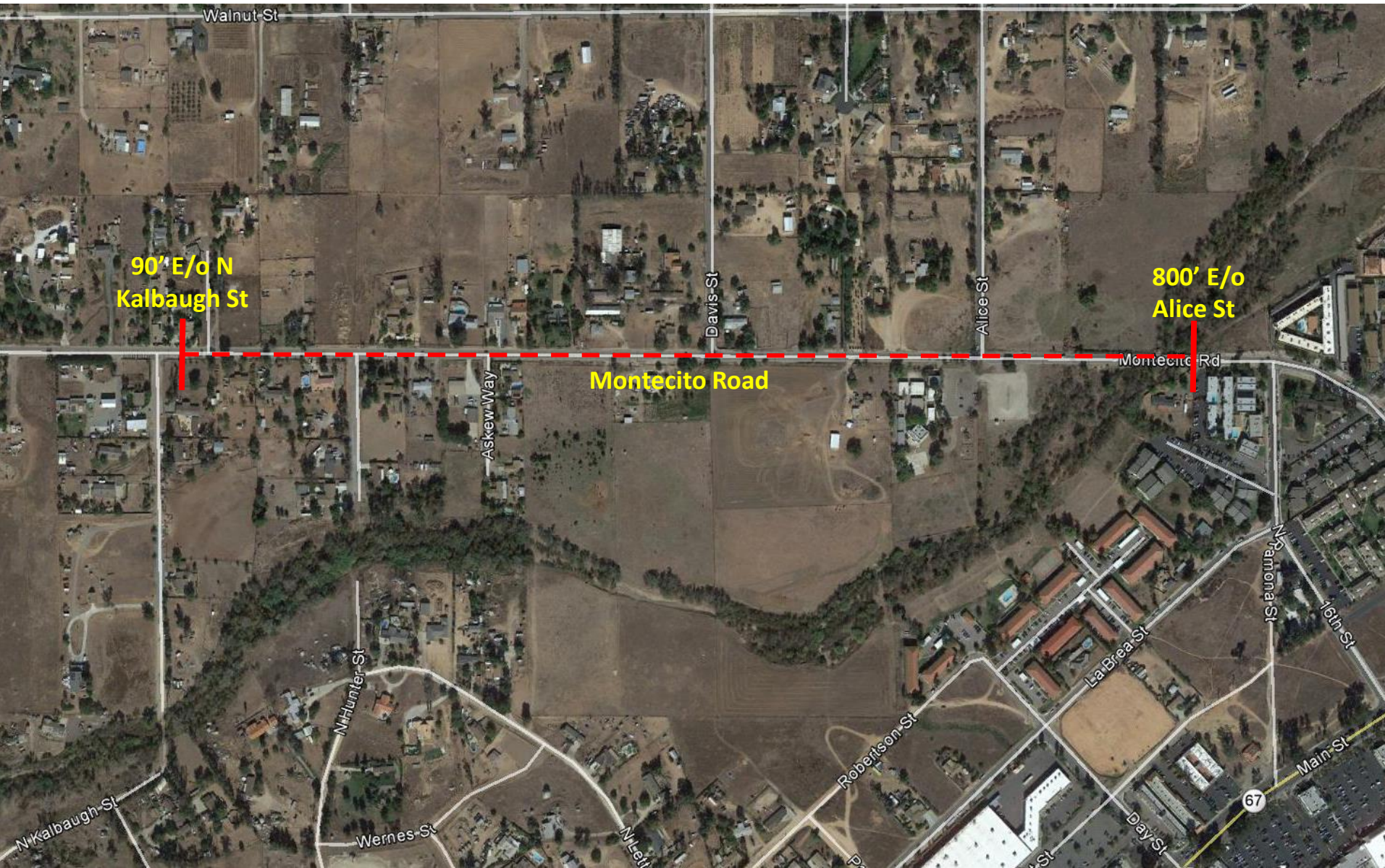


DATA ANALYSIS

Average Speed	47.6	Range	36 - 59
50th Percentile	46.7	10 mph Pace	42 - 51
85th Percentile	51.2	Number in Pace	451
90th Percentile	52.3	Percent in Pace	80%
95th Percentile	54.1		

2-D. Radar Recertification

Montecito Road from 800' East of Alice Street to 90' East of Kalbaugh Street (0.71 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017

Item 2-D

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Montecito Road from 800 feet east of Alice Street to 90 feet east of Kalbaugh Street, (0.71 miles) RAMONA (Thos. Bros. 1152 E-6)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Montecito Road from 800 feet east of Alice Street westerly to 90 feet east of Kalbaugh Street is posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

Existing Traffic Devices

Montecito Road is a striped two-lane roadway that varies from 36 feet to 38 feet in width. The road is posted 40 MPH/Radar Certified. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes **06/16** **05/10**

Montecito Road:		
W/o Davis Street	1,610	1,740

Spot Speed Data **85th Percentile** **10 MPH Pace** **% in Pace**

Montecito Road:				
230' E/o Davis Street	2016	45.6 MPH	34-43	72.0%
	2010	44.8 MPH	34-43	60.0%

Collision Data

There have been five reported collisions along this segment, four of which involved injury, in a 4 year period (7-1-13 to 6-30-17). These collisions result in a segment accident rate of 4.78 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.

Prepared by NDS/ATD

VOLUME

Montecito Rd W/O Davis St

Day: Wednesday
Date: 7/6/2016City: Ramona
Project #: CA16_4203_001

DAILY TOTALS					NB	SB	EB				WB	Total
					0	0					819	794
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			0	0	0	12:00			14	17	31	
00:15			0	2	2	12:15			11	11	22	
00:30			5	2	7	12:30			8	15	23	
00:45			0	5	0	12:45			6	39	21	
				0	4				21	64	27	
					9						103	
01:00			0	0	0	13:00			21	20	41	
01:15			0	0	0	13:15			18	11	29	
01:30			0	1	1	13:30			11	18	29	
01:45			1	1	2	13:45			11	61	18	
					3					67	29	
											128	
02:00			0	1	1	14:00			13	8	21	
02:15			0	0	0	14:15			10	7	17	
02:30			0	0	0	14:30			8	11	19	
02:45			0	0	1	14:45			10	41	11	
										37	21	
					1						78	
03:00			1	0	1	15:00			8	12	20	
03:15			0	0	0	15:15			8	14	22	
03:30			1	0	1	15:30			16	11	27	
03:45			0	2	0	15:45			13	45	24	
					2					61	37	
											106	
04:00			4	0	4	16:00			20	19	39	
04:15			0	1	1	16:15			10	8	18	
04:30			2	0	2	16:30			27	11	38	
04:45			2	8	2	16:45			16	73	20	
					3					58	36	
					11						131	
05:00			4	1	5	17:00			15	17	32	
05:15			8	1	9	17:15			17	21	38	
05:30			7	1	8	17:30			12	23	35	
05:45			12	31	3	17:45			13	57	15	
					6					76	28	
					37						133	
06:00			9	6	15	18:00			22	12	34	
06:15			5	2	7	18:15			12	15	27	
06:30			6	7	13	18:30			10	10	20	
06:45			14	34	4	18:45			13	57	10	
					19					47	23	
					53						104	
07:00			13	7	20	19:00			15	11	26	
07:15			10	10	20	19:15			11	13	24	
07:30			13	15	28	19:30			13	10	23	
07:45			11	47	14	19:45			10	49	10	
					46					44	20	
					93						93	
08:00			14	12	26	20:00			13	18	31	
08:15			18	11	29	20:15			7	9	16	
08:30			15	17	32	20:30			7	11	18	
08:45			10	57	18	20:45			7	34	9	
					58					47	16	
					115						81	
09:00			9	10	19	21:00			1	2	3	
09:15			13	6	19	21:15			4	2	6	
09:30			10	9	19	21:30			2	7	9	
09:45			12	44	17	21:45			3	10	7	
					42					18	10	
					86						28	
10:00			17	13	30	22:00			3	2	5	
10:15			12	9	21	22:15			3	6	9	
10:30			9	16	25	22:30			2	2	4	
10:45			13	51	6	22:45			0	8	1	
					44					11	1	
					95						19	
11:00			16	9	25	23:00			1	0	1	
11:15			13	9	22	23:15			1	0	1	
11:30			18	7	25	23:30			1	3	4	
11:45			15	62	9	23:45			0	3	2	
					34					5	2	
					96						8	
TOTALS			342	259	601	TOTALS			477	535	1012	
SPLIT %			56.9%	43.1%	37.3%	SPLIT %			47.1%	52.9%	62.7%	

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	819	794	1,613
AM Peak Hour		11:00	08:00	08:00	PM Peak Hour		16:30	16:45	16:30
AM Pk Volume		62	58	115	PM Pk Volume		75	81	144
Pk Hr Factor		0.861	0.806	0.898	Pk Hr Factor		0.694	0.880	0.947
7 - 9 Volume		104	104	208	4 - 6 Volume		130	134	264
7 - 9 Peak Hour		07:45	08:00	08:00	4 - 6 Peak Hour		16:30	16:45	16:30
7 - 9 Pk Volume		58	58	115	4 - 6 Pk Volume		75	81	144
Pk Hr Factor		0.806	0.806	0.898	Pk Hr Factor		0.694	0.880	0.947



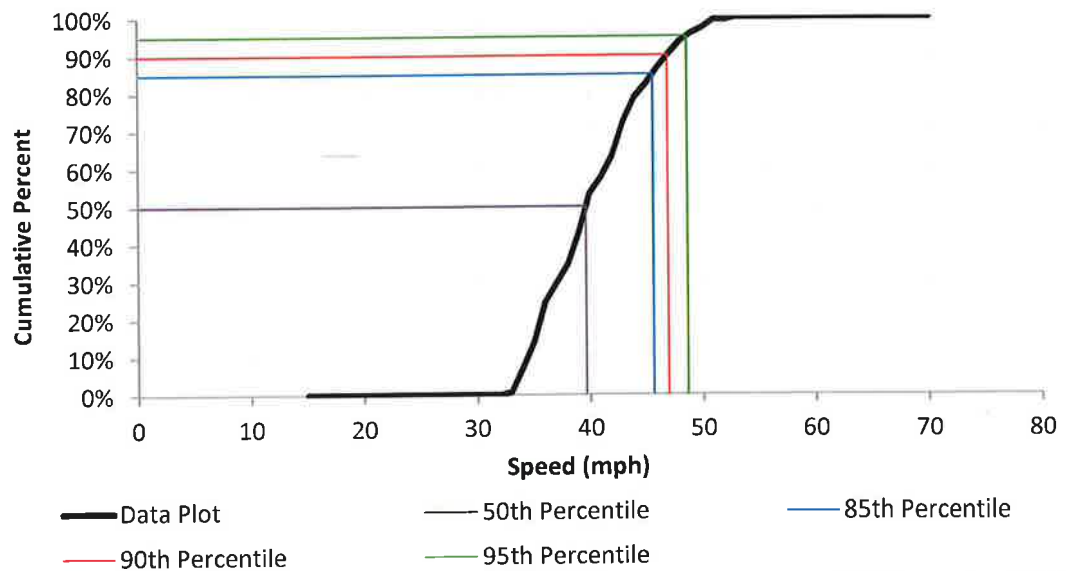
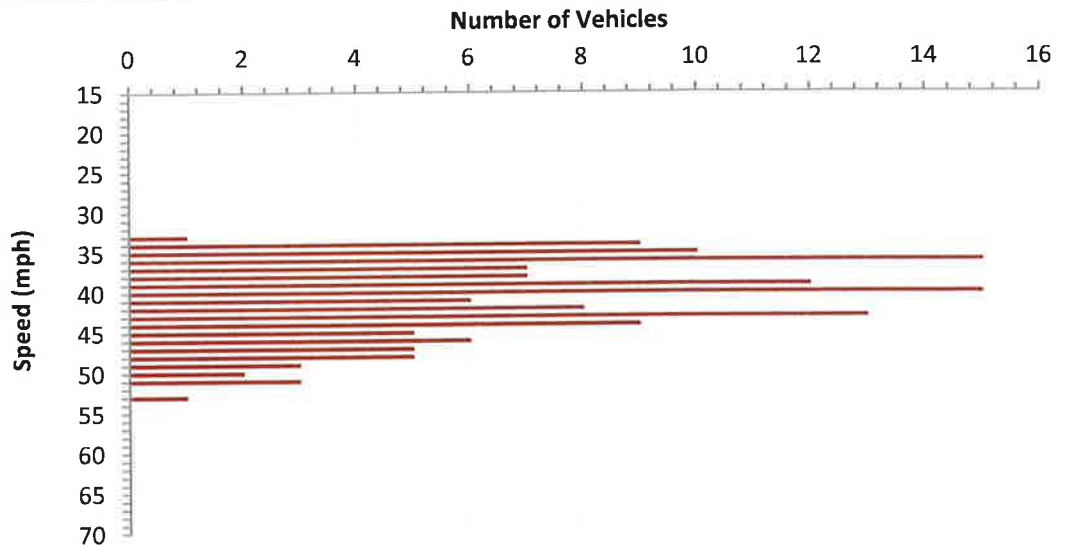
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Montecito Rd	From:	0	To:	0
Position:	230' E/O Davis St	Direction:	EB/WB		

Date:	7/6/2016	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:	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	1	0.7%
34	9	7.0%
35	10	14.1%
36	15	24.6%
37	7	29.6%
38	7	34.5%
39	12	43.0%
40	15	53.5%
41	6	57.7%
42	8	63.4%
43	13	72.5%
44	9	78.9%
45	5	82.4%
46	6	86.6%
47	5	90.1%
48	5	93.7%
49	3	95.8%
50	2	97.2%
51	3	99.3%
52		
53	1	100.0%
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	142	

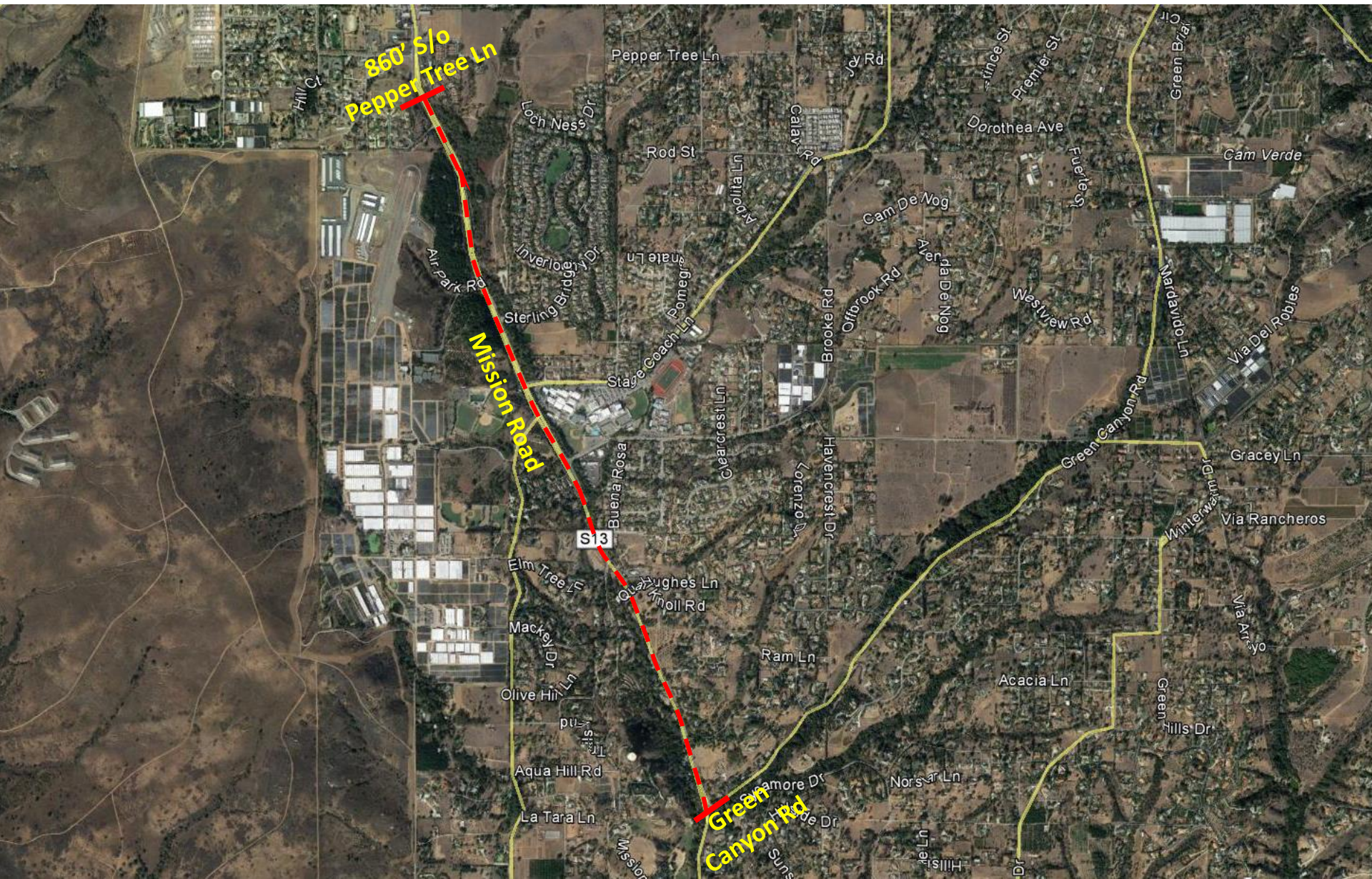


DATA ANALYSIS

Average Speed	40.8	Range	33 - 53
50th Percentile	39.7	10 mph Pace	34 - 43
85th Percentile	45.6	Number in Pace	102
90th Percentile	47.0	Percent in Pace	72%
95th Percentile	48.6		

5-A. Radar Recertification

Mission Road from 860' South of Pepper Tree Lane to Green Canyon Road (2.04 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Mission Road from 860 feet south of Pepper Tree Lane to Green Canyon Road (2.04 miles) FALLBROOK (Thos. Bros. 1027 F-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 50 MPH speed limit.

Existing Traffic Devices

Mission Road from 860 feet south of Pepper Tree Lane southerly to Winter Haven Road, is a striped four-lane roadway with a raised planted median separating both directions of travel. This segment's width varies from 70 feet to 90 feet. From Winter Haven Road to Green Canyon Road is primarily a striped two-lane roadway with 40 feet wide, with three segments having a two-way left turn lane in place. There are bike lanes along both sides of the road. The appropriate school signs are in place. The road is posted 50 MPH/Radar Certified. The road is classified as a Boulevard on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes

Mission Road:

@ Green Canyon Road

4/16

21,530

1/09

19,300

Speed Data

Mission Road:

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
300 ft N/o Sterling Bridge	2016	53.3 MPH	45-54	88.0%
1,900 ft N/o Green Cyn	2016	55.5 MPH	46-55	82.0%
	2010	60.0 MPH	47-56	57.4%
Speed Zone	2016	53.8 MPH	46-55	85.0%

Collision Data

4-lane roadway segment: There have been 29 reported collisions along this segment of roadway, 10 of which involved injury, in a two year period (7-1-15 to 6-30-17). These collisions result in a segment accident rate of 1.97 collisions per million vehicle miles. The statewide average is 1.44 collisions per million vehicle miles for similar suburban divided 4-lane roads with speeds less than or equal 55 mile per hour.

2-lane roadway segment: There have been 16 reported collisions along this segment of roadway, 5 of which involved injury, in a two year period (7-1-15 to 6-30-17). These collisions result in a segment accident rate of 0.93 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.

Prepared by NDS/ATD

VOLUME

Mission Rd & Green Cyn Rd

Day: Wednesday

Date: 4/27/2016

City: Fallbrook

Project #: CA16_4110_002

DAILY TOTALS					NB	SB	EB		WB		Total		
					10,461	11,071					0	21,532	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	25	7			32		12:00	125	153			278	
00:15	24	8			32		12:15	132	128			260	
00:30	22	10			32		12:30	164	146			310	
00:45	18	89	6	31	24	120	12:45	144	565	155	582	299	1147
01:00	11	7			18		13:00	123	144			267	
01:15	11	5			16		13:15	144	139			283	
01:30	7	3			10		13:30	150	166			316	
01:45	10	39	4	19	14	58	13:45	155	572	166	615	321	1187
02:00	4	6			10		14:00	139	150			289	
02:15	8	12			20		14:15	169	139			308	
02:30	10	2			12		14:30	156	154			310	
02:45	13	35	6	26	19	61	14:45	201	665	175	618	376	1283
03:00	6	9			15		15:00	193	163			356	
03:15	4	10			14		15:15	195	171			366	
03:30	7	15			22		15:30	192	155			347	
03:45	10	27	16	50	26	77	15:45	202	782	183	672	385	1454
04:00	9	21			30		16:00	218	185			403	
04:15	9	41			50		16:15	204	159			363	
04:30	11	51			62		16:30	197	128			325	
04:45	21	50	65	178	86	228	16:45	199	818	165	637	364	1455
05:00	21	91			112		17:00	242	151			393	
05:15	26	138			164		17:15	256	166			422	
05:30	27	175			202		17:30	225	204			429	
05:45	65	139	151	555	216	694	17:45	227	950	186	707	413	1657
06:00	47	209			256		18:00	180	142			322	
06:15	65	250			315		18:15	238	133			371	
06:30	73	272			345		18:30	194	104			298	
06:45	132	317	249	980	381	1297	18:45	227	839	127	506	354	1345
07:00	150	299			449		19:00	176	119			295	
07:15	164	287			451		19:15	158	91			249	
07:30	162	329			491		19:30	158	87			245	
07:45	178	654	243	1158	421	1812	19:45	125	617	74	371	199	988
08:00	147	238			385		20:00	94	110			204	
08:15	105	194			299		20:15	126	74			200	
08:30	145	180			325		20:30	146	73			219	
08:45	152	549	184	796	336	1345	20:45	120	486	86	343	206	829
09:00	99	176			275		21:00	112	57			169	
09:15	123	169			292		21:15	84	64			148	
09:30	107	150			257		21:30	111	53			164	
09:45	112	441	141	636	253	1077	21:45	90	397	38	212	128	609
10:00	110	156			266		22:00	70	44			114	
10:15	127	144			271		22:15	65	41			106	
10:30	119	158			277		22:30	73	35			108	
10:45	129	485	146	604	275	1089	22:45	57	265	23	143	80	408
11:00	140	151			291		23:00	29	20			49	
11:15	127	143			270		23:15	32	13			45	
11:30	144	133			277		23:30	27	14			41	
11:45	152	563	148	575	300	1138	23:45	29	117	10	57	39	174
TOTALS	3388		5608		8996		TOTALS	7073		5463		12536	
SPLIT %	37.7%		62.3%		41.8%		SPLIT %	56.4%		43.6%		58.2%	

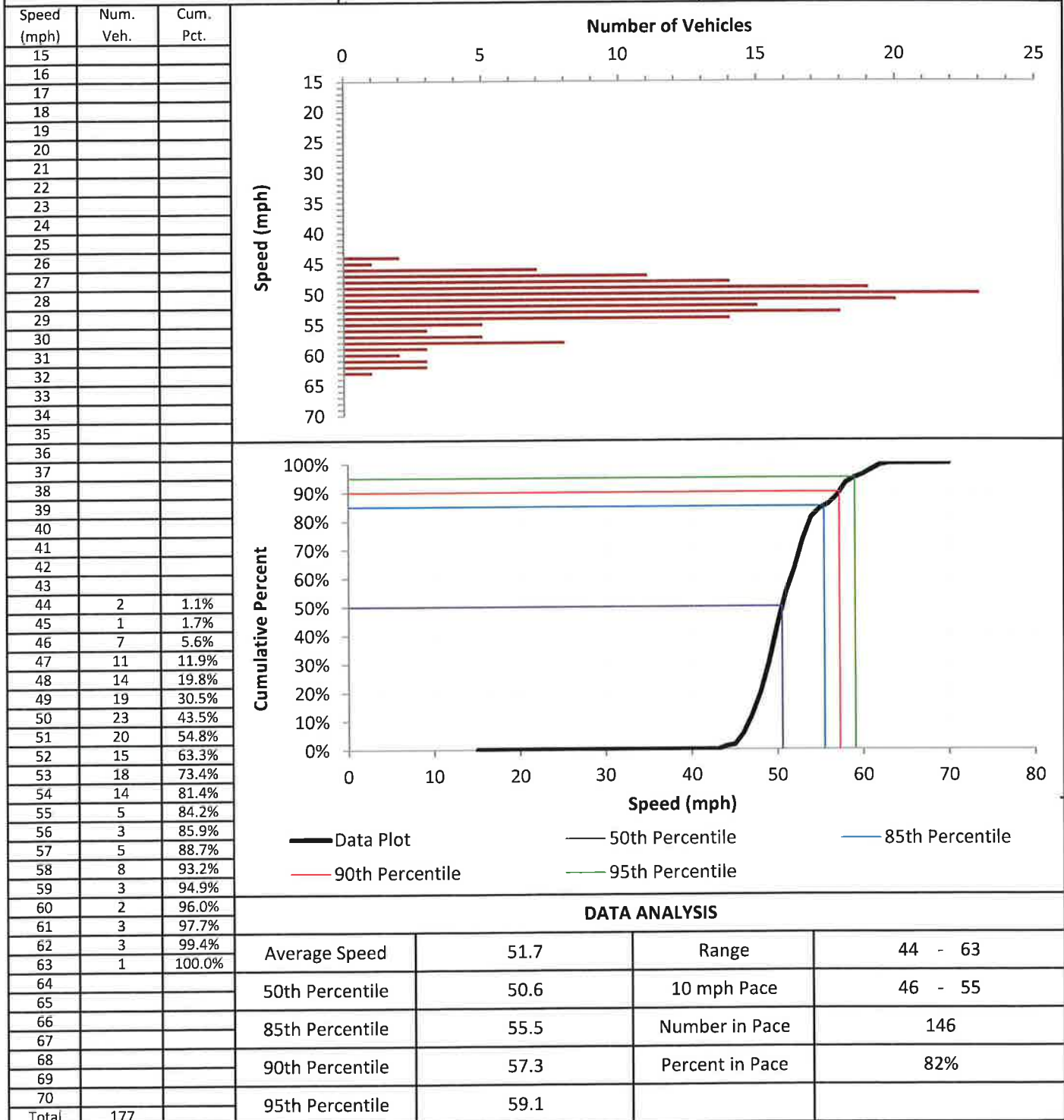
DAILY TOTALS					NB	SB	EB	WB	Total
					10,461	11,071	0	0	21,532
AM Peak Hour	07:00	06:45			07:00	PM Peak Hour	17:00	17:00	17:00
AM Pk Volume	654	1164			1812	PM Pk Volume	950	707	1657
Pk Hr Factor	0.919	0.884			0.923	Pk Hr Factor	0.928	0.866	0.966
7 - 9 Volume	1203	1954			3157	4 - 6 Volume	1768	1344	3112
7 - 9 Peak Hour	07:00	07:00			1812	4 - 6 Peak Hour	17:00	17:00	17:00
7 - 9 Pk Volume	654	1158			1812	4 - 6 Pk Volume	950	707	1657
Pk Hr Factor	0.919	0.880			0.923	Pk Hr Factor	0.928	0.866	0.966



RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	860' S/o Pepper Tree Ln	To:	Green Canyon Rd
Position:	1900' N/o Green Canyon Rd	Direction:	NB/SB		
Date:	4/21/2016	Weather:	Clear	Project Number:	0
Time Start:	9:40 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:40 AM	Posted Speed:	50 mph	Calibration Test:	Y



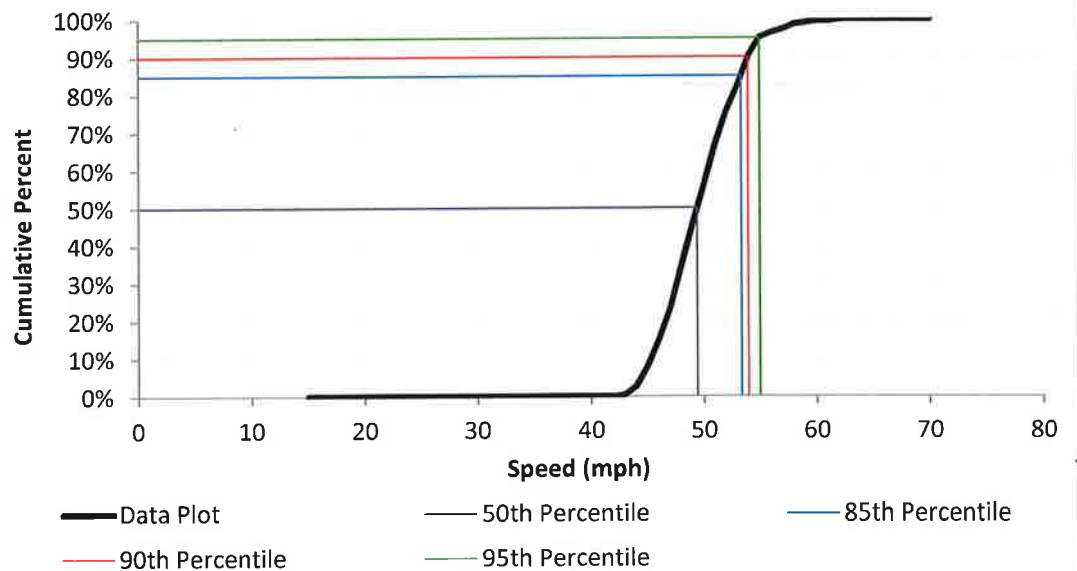
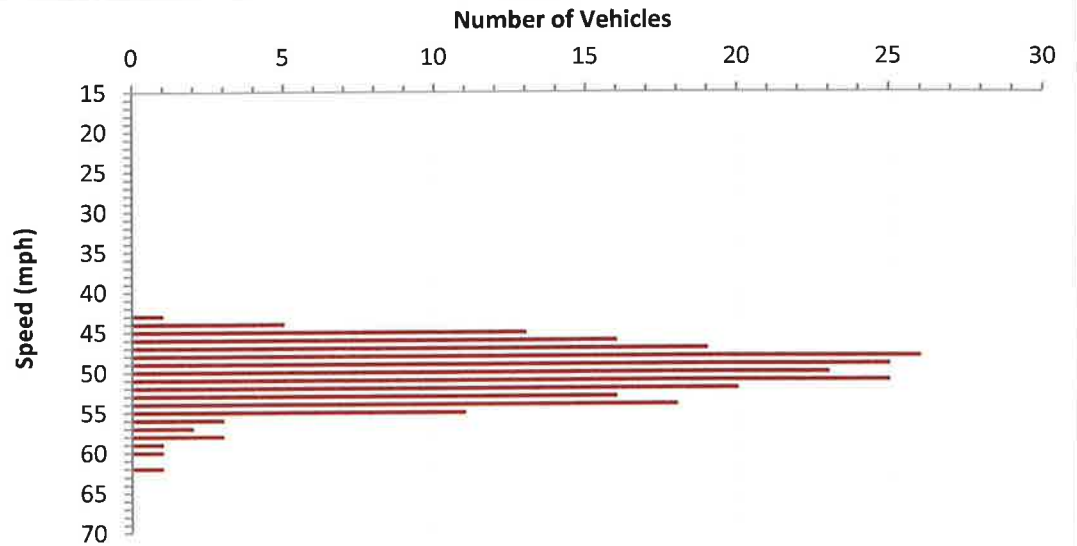


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	860' S/o Pepper Tree Ln	To:	Green Canyon Rd
Position:	300' N/o Sterling Bridge	Direction:	NB/SB		
Date:	1/8/2016	Weather:	Clear	Project Number:	0
Time Start:	9:15 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	11:15 AM	Posted Speed:	50 mph	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43	1	0.4%
44	5	2.6%
45	13	8.3%
46	16	15.3%
47	19	23.6%
48	26	34.9%
49	25	45.9%
50	23	55.9%
51	25	66.8%
52	20	75.5%
53	16	82.5%
54	18	90.4%
55	11	95.2%
56	3	96.5%
57	2	97.4%
58	3	98.7%
59	1	99.1%
60	1	99.6%
61		
62	1	100.0%
63		
64		
65		
66		
67		
68		
69		
70		
Total	229	



DATA ANALYSIS

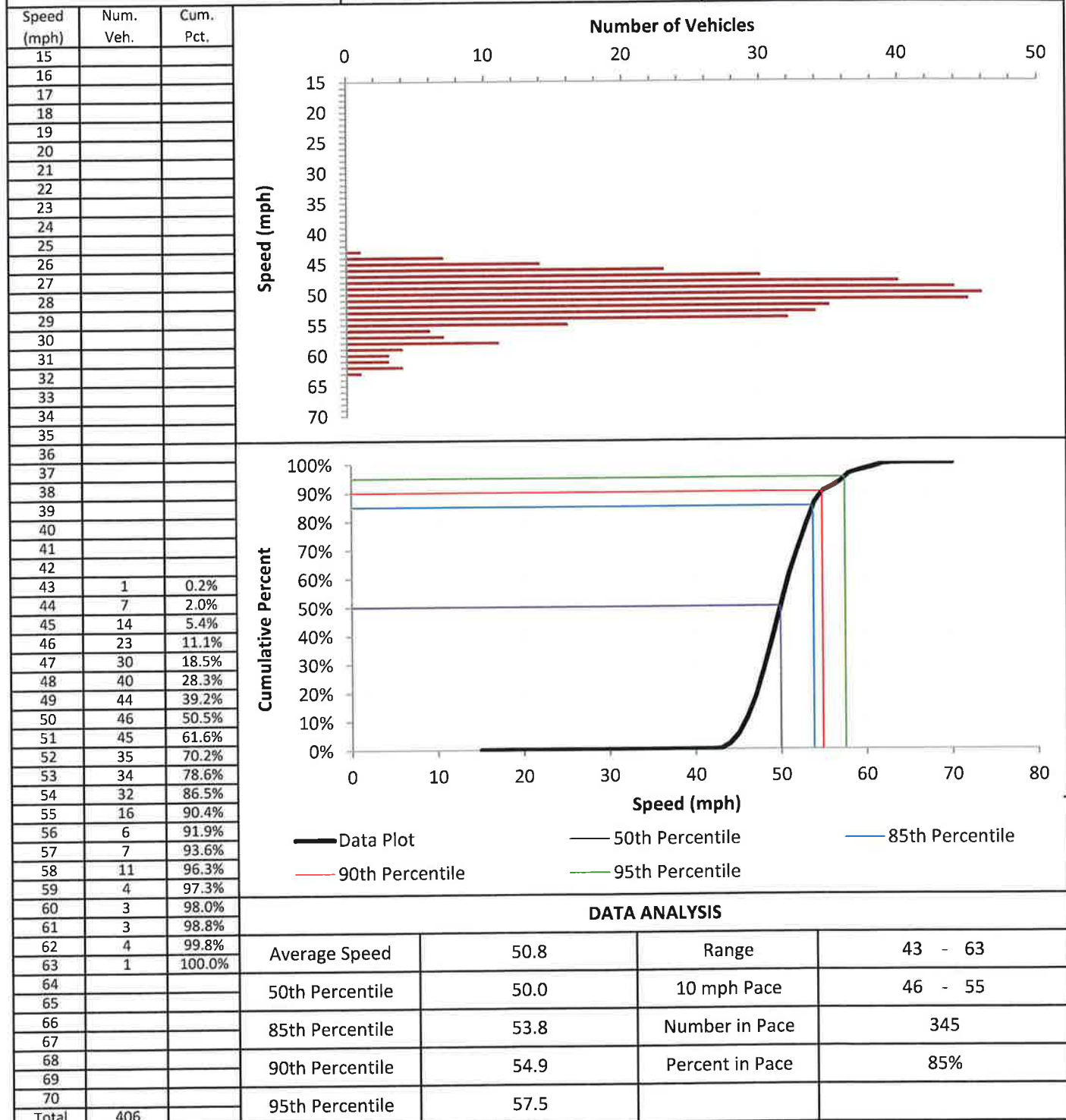
Average Speed	50.1	Range	43 - 62
50th Percentile	49.4	10 mph Pace	45 - 54
85th Percentile	53.3	Number in Pace	201
90th Percentile	54.0	Percent in Pace	88%
95th Percentile	55.0		



RADAR SPEED SURVEY

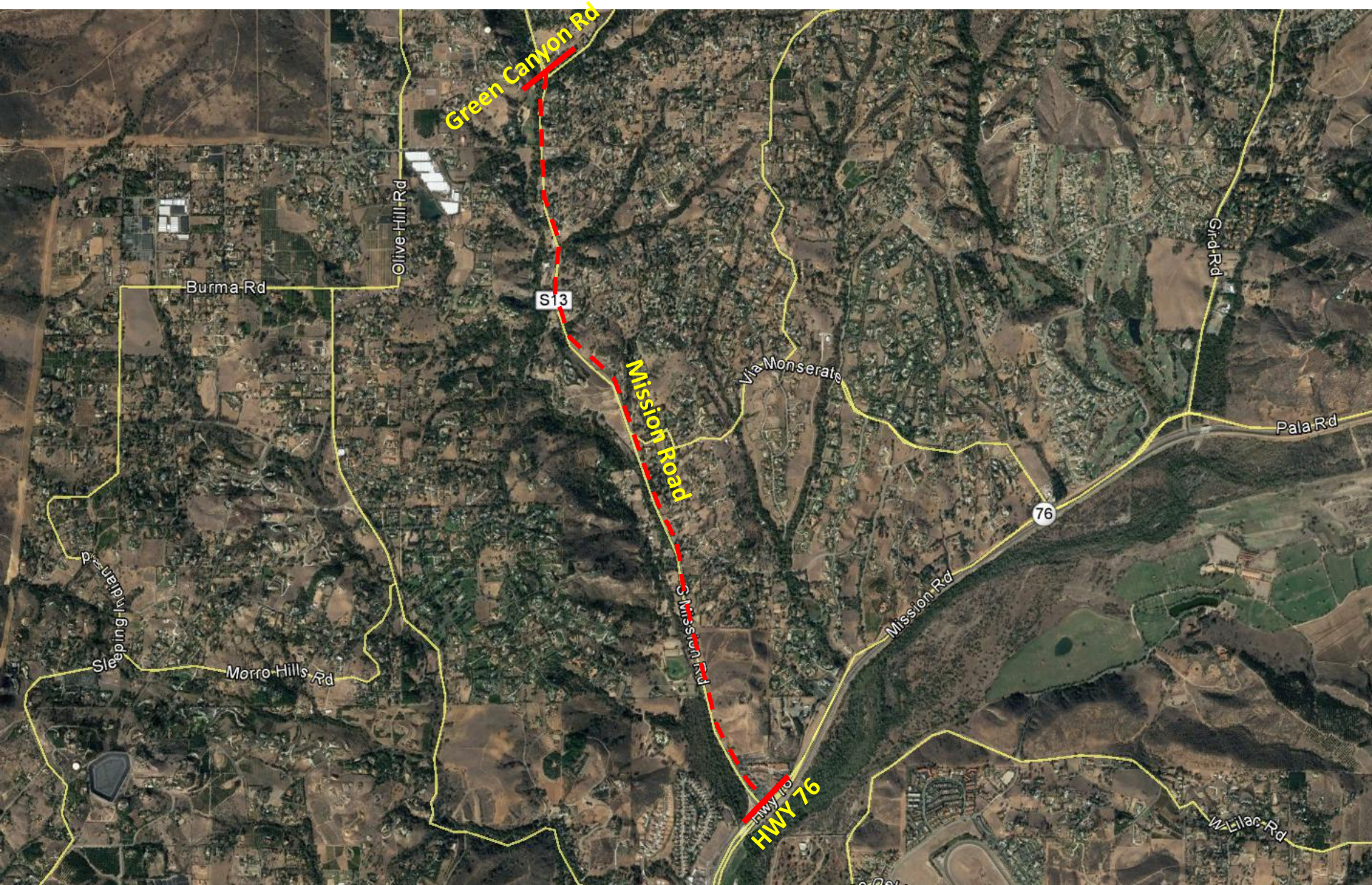
SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	860' S/o Pepper Tree Ln	To:	Green Canyon Rd
Position:	Speed Zone	Direction:	NB/SB		
Date:	4/21/2016	Weather:	Clear	Project Number:	0
Time Start:	12:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:00 AM	Posted Speed:	50 mph	Calibration Test:	Y



5-B. Radar Recertification

Mission Road from Green Canyon Road to State Route 76 (2.89 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017 Item 5-B

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Mission Road from Green Canyon Road to State Route 76 (2.89 miles) FALLBROOK (Thos. Bros. 1047 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

Mission Road is a striped two-lane Through Highway that varies from 30 feet to 40 feet in width. There is edge-striping on both sides of the roadway. The road is posted 50 MPH/Radar Certified. This roadway is classified as a Boulevard on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>4/16</u>	<u>1/09</u>
Mission Road:		
at Green Canyon Road	21,530	16,590

<u>Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Mission Road:				
at Via Encinos Drive	2017	54.1 MPH	46-55	86.0%
	2010	53.8 MPH	45-54	75.2%
3240' N/o SR 76	2017	57.3 MPH	47-56	74.0%
	2010	56.8 MPH	48-57	69.8%
Speed Zone	2017	56.2 MPH	46-55	79.0%

Collision Data

There have been 46 reported collisions along this segment of roadway, 24 of which involved injury, in a two year period (7-1-15 to 6-30-17). These collisions result in a segment accident rate of 1.01 collisions per million vehicle miles and an injury rate of 52%. The statewide average is 1.32 collisions per million vehicle miles and an injury rate of 41.1% for similar suburban 2-lane roads with speeds between 45 and 55 mile per hour.

Prepared by NDS/ATD

VOLUME

Mission Rd & Green Cyn Rd

Day: Wednesday
Date: 4/27/2016City: Fallbrook
Project #: CA16_4110_002

DAILY TOTALS					NB	SB	EB		WB		Total
					10,461	11,071					0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	25	7			32	12:00	125	153			278
00:15	24	8			32	12:15	132	128			260
00:30	22	10			32	12:30	164	146			310
00:45	18	89	6	31	24 120	12:45	144	565	155	582	299 1147
01:00	11	7			18	13:00	123	144			267
01:15	11	5			16	13:15	144	139			283
01:30	7	3			10	13:30	150	166			316
01:45	10	39	4	19	14 58	13:45	155	572	166	615	321 1187
02:00	4	6			10	14:00	139	150			289
02:15	8	12			20	14:15	169	139			308
02:30	10	2			12	14:30	156	154			310
02:45	13	35	6	26	19 61	14:45	201	665	175	618	376 1283
03:00	6	9			15	15:00	193	163			356
03:15	4	10			14	15:15	195	171			366
03:30	7	15			22	15:30	192	155			347
03:45	10	27	16	50	26 77	15:45	202	782	183	672	385 1454
04:00	9	21			30	16:00	218	185			403
04:15	9	41			50	16:15	204	159			363
04:30	11	51			62	16:30	197	128			325
04:45	21	50	65	178	86 228	16:45	199	818	165	637	364 1455
05:00	21	91			112	17:00	242	151			393
05:15	26	138			164	17:15	256	166			422
05:30	27	175			202	17:30	225	204			429
05:45	65	139	151	555	216 694	17:45	227	950	186	707	413 1657
06:00	47	209			256	18:00	180	142			322
06:15	65	250			315	18:15	238	133			371
06:30	73	272			345	18:30	194	104			298
06:45	132	317	249	980	381 1297	18:45	227	839	127	506	354 1345
07:00	150	299			449	19:00	176	119			295
07:15	164	287			451	19:15	158	91			249
07:30	162	329			491	19:30	158	87			245
07:45	178	654	243	1158	421 1812	19:45	125	617	74	371	199 988
08:00	147	238			385	20:00	94	110			204
08:15	105	194			299	20:15	126	74			200
08:30	145	180			325	20:30	146	73			219
08:45	152	549	184	796	336 1345	20:45	120	486	86	343	206 829
09:00	99	176			275	21:00	112	57			169
09:15	123	169			292	21:15	84	64			148
09:30	107	150			257	21:30	111	53			164
09:45	112	441	141	636	253 1077	21:45	90	397	38	212	128 609
10:00	110	156			266	22:00	70	44			114
10:15	127	144			271	22:15	65	41			106
10:30	119	158			277	22:30	73	35			108
10:45	129	485	146	604	275 1089	22:45	57	265	23	143	80 408
11:00	140	151			291	23:00	29	20			49
11:15	127	143			270	23:15	32	13			45
11:30	144	133			277	23:30	27	14			41
11:45	152	563	148	575	300 1138	23:45	29	117	10	57	39 174
TOTALS	3388	5608			8996	TOTALS	7073	5463			12536
SPLIT %	37.7%	62.3%			41.8%	SPLIT %	56.4%	43.6%			58.2%

DAILY TOTALS					NB	SB	EB	WB	Total
					10,461	11,071	0	0	21,532
AM Peak Hour	07:00	06:45	07:00	PM Peak Hour	17:00	17:00	17:00		
AM Pk Volume	654	1164	1812	PM Pk Volume	950	707	1657		
Pk Hr Factor	0.919	0.884	0.923	Pk Hr Factor	0.928	0.866	0.966		
7 - 9 Volume	1203	1954	3157	4 - 6 Volume	1768	1344	3112		
7 - 9 Peak Hour	07:00	07:00	07:00	4 - 6 Peak Hour	17:00	17:00	17:00		
7 - 9 Pk Volume	654	1158	1812	4 - 6 Pk Volume	950	707	1657		
Pk Hr Factor	0.919	0.880	0.923	Pk Hr Factor	0.928	0.866	0.966		



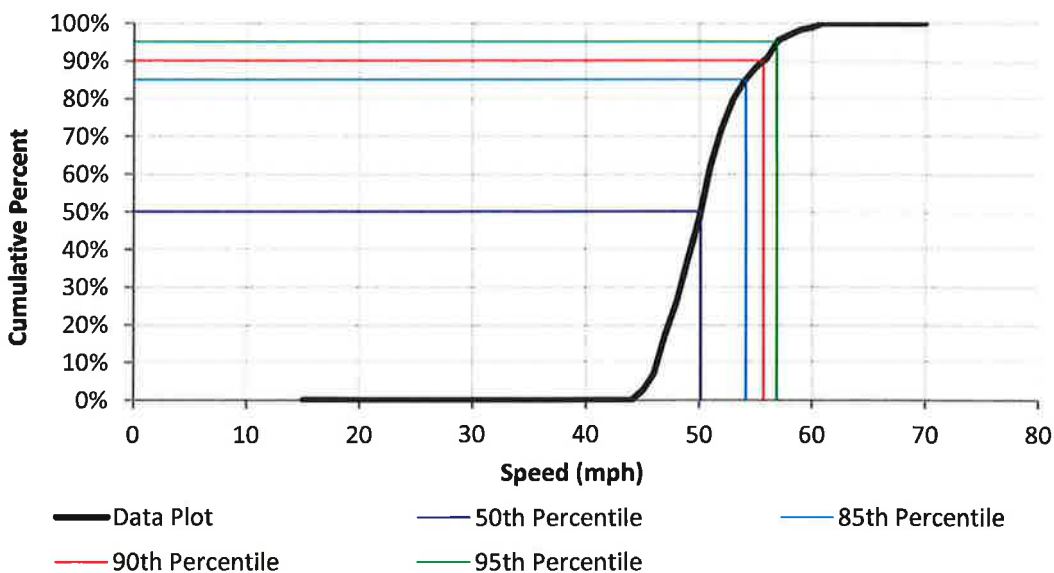
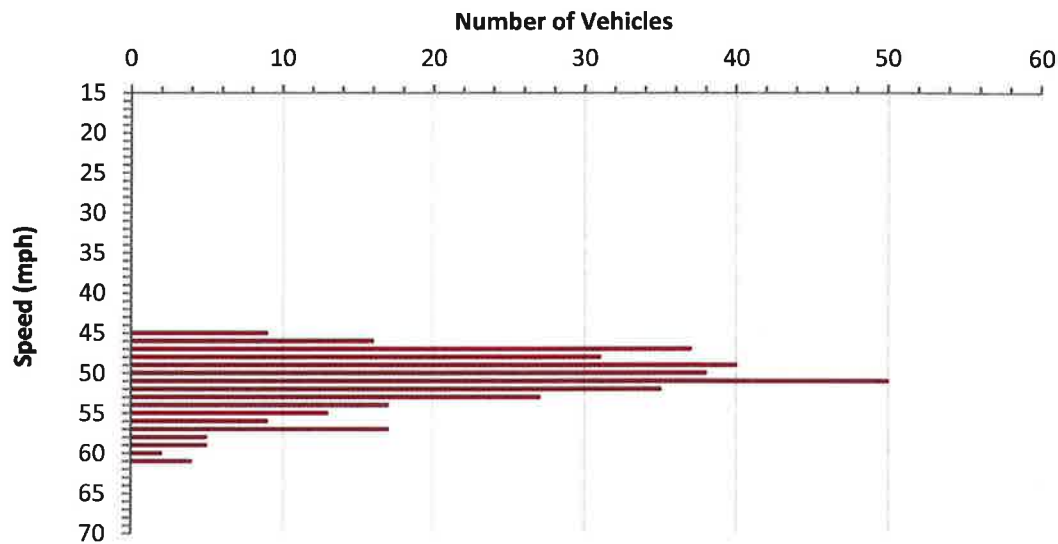
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	Green Canyon Road	To:	SR 76
Position:	at Via Encinos Dr	Direction:	NB/SB		

Date:	5/23/2016	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:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45	9	2.5%
46	16	7.0%
47	37	17.5%
48	31	26.2%
49	40	37.5%
50	38	48.2%
51	50	62.3%
52	35	72.1%
53	27	79.7%
54	17	84.5%
55	13	88.2%
56	9	90.7%
57	17	95.5%
58	5	96.9%
59	5	98.3%
60	2	98.9%
61	4	100.0%
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	355	



DATA ANALYSIS

Average Speed	50.9	Range	45 - 61
50th Percentile	50.1	10 mph Pace	46 - 55
85th Percentile	54.1	Number in Pace	304
90th Percentile	55.7	Percent in Pace	86%
95th Percentile	56.9		

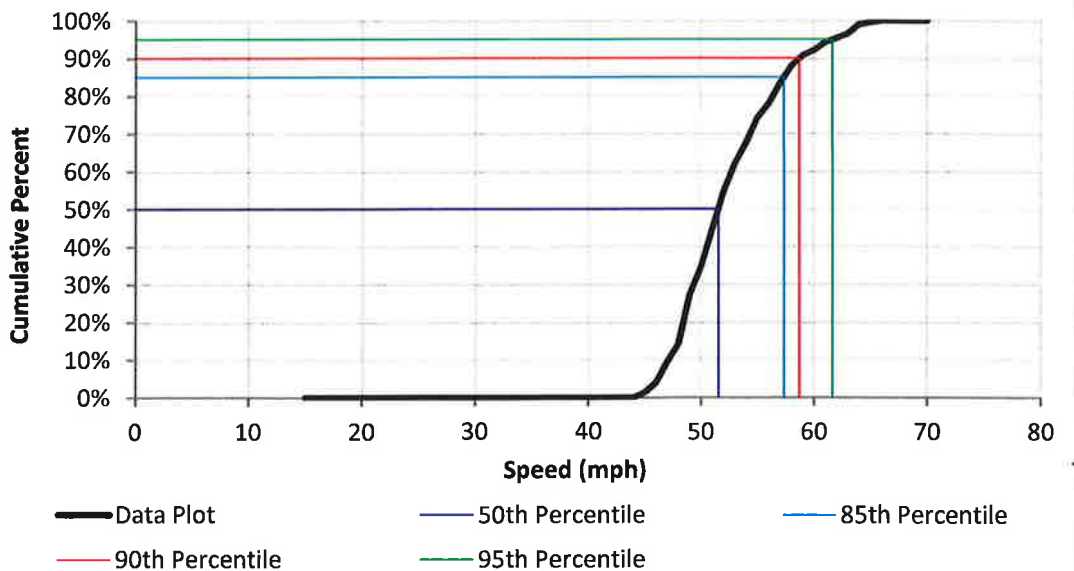
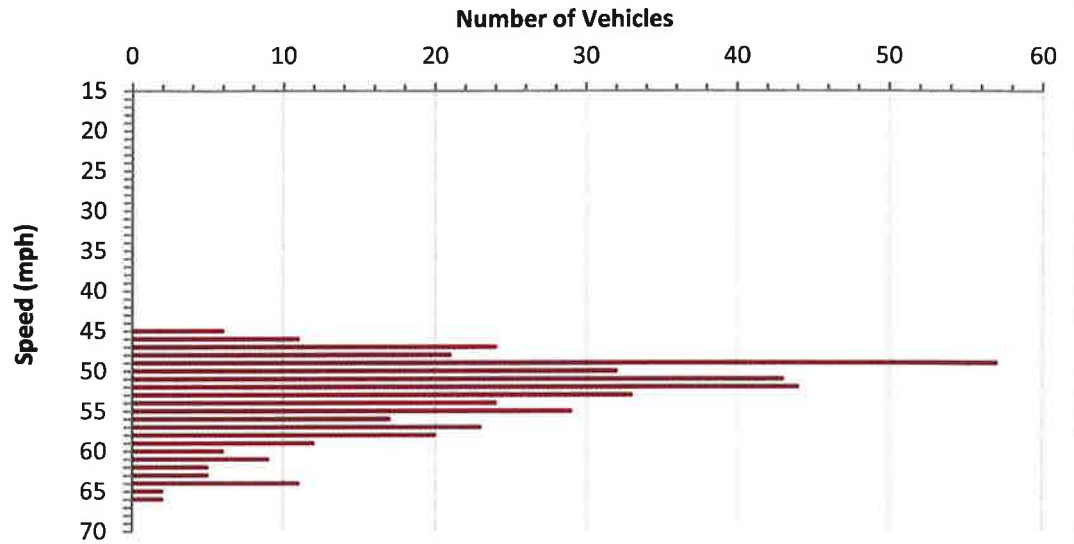


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	Green Canyon Road	To:	SR 76
Position:	3240' N/o SR 76	Direction:	NB/SB		
Date:	5/25/2017	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:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
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31		
32		
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34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45	6	1.4%
46	11	3.9%
47	24	9.4%
48	21	14.2%
49	57	27.3%
50	32	34.6%
51	43	44.5%
52	44	54.6%
53	33	62.2%
54	24	67.7%
55	29	74.3%
56	17	78.2%
57	23	83.5%
58	20	88.1%
59	12	90.8%
60	6	92.2%
61	9	94.3%
62	5	95.4%
63	5	96.6%
64	11	99.1%
65	2	99.5%
66	2	100.0%
67		
68		
69		
70		
Total	436	



DATA ANALYSIS

Average Speed	52.9	Range	45 - 66
50th Percentile	51.5	10 mph Pace	47 - 56
85th Percentile	57.3	Number in Pace	324
90th Percentile	58.7	Percent in Pace	74%
95th Percentile	61.6		

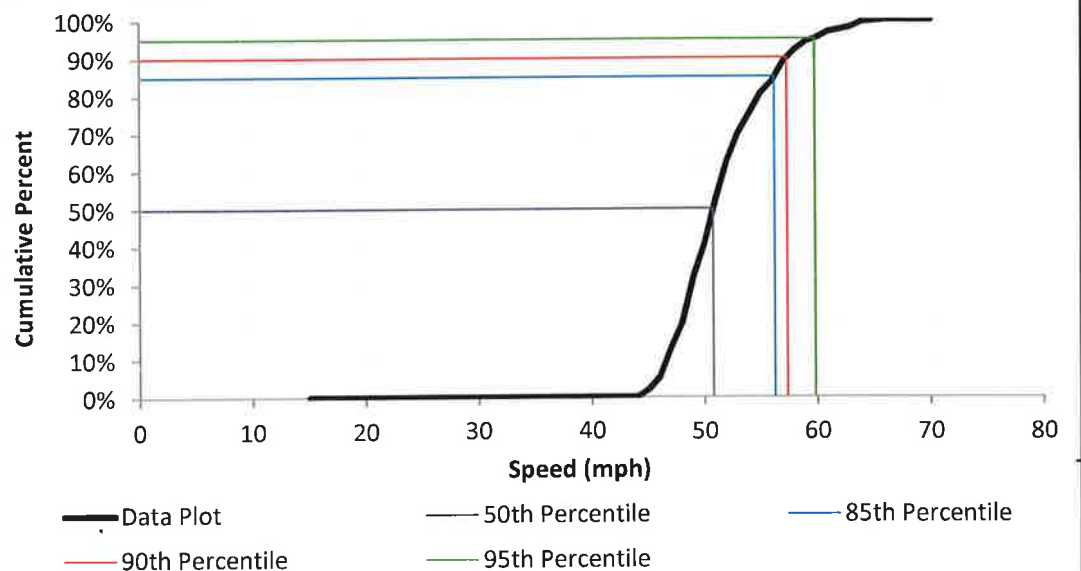
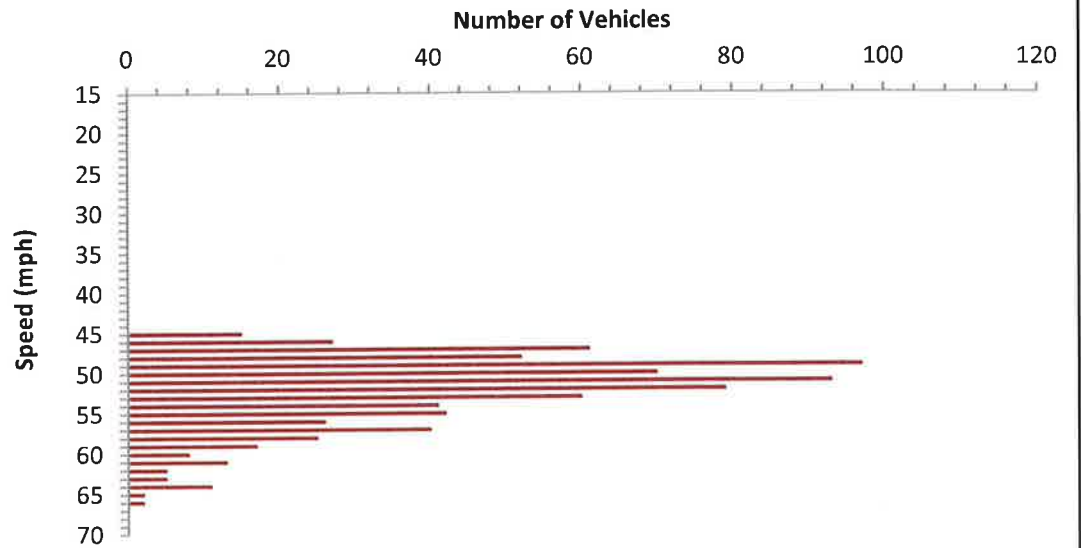


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Mission Road	From:	Green Canyon Road	To:	SR 76
Position:	Speed Zone	Direction:	NB/SB		
Date:	5/25/2017	Weather:	Clear	Project Number:	0
Time Start:	12:00 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:00 AM	Posted Speed:	50 mph	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
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17		
18		
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37		
38		
39		
40		
41		
42		
43		
44		
45	15	1.9%
46	27	5.3%
47	61	13.0%
48	52	19.6%
49	97	31.9%
50	70	40.7%
51	93	52.5%
52	79	62.5%
53	60	70.0%
54	41	75.2%
55	42	80.5%
56	26	83.8%
57	40	88.9%
58	25	92.0%
59	17	94.2%
60	8	95.2%
61	13	96.8%
62	5	97.5%
63	5	98.1%
64	11	99.5%
65	2	99.7%
66	2	100.0%
67		
68		
69		
70		
Total	791	



DATA ANALYSIS

Average Speed	52.0	Range	45 - 66
50th Percentile	50.8	10 mph Pace	46 - 55
85th Percentile	56.2	Number in Pace	622
90th Percentile	57.4	Percent in Pace	79%
95th Percentile	59.8		