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

SUBJE	ECT	LOCATION	AREA	PLANNING/ SPONSOR GROUP
SUPER	RVISORIAL DISTRICT 2			
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
SUPER	RVISORIAL DISTRICT 5			
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 <u>2-A</u>

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.

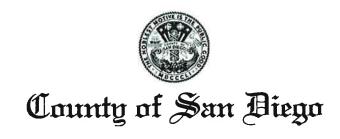
Average Daily Traffic Volumes	<u>11/16</u>
Apple Street	5,120 EB
	4,850 WB

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.



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

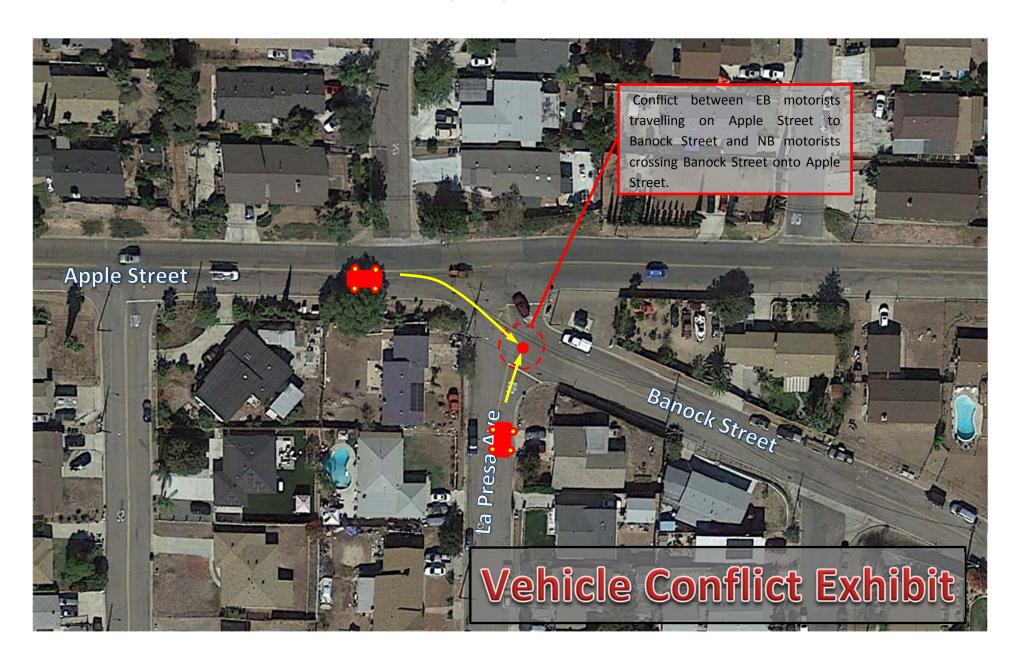
Install all-way stop controls

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 lake 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.









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

Prepared by NDS/ATD

VOLUME

Apple St W/O La Presa Ave

EB

WB

SB

NB

Day: Thursday Date: 6/9/2016

City: Spring Valley
Project #: CA16_4172_004

Total

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VOLUME

Apple St E/O La Presa Ave

Day: Thursday Date: 6/9/2016

Pk Hr Factor

City: Spring Valley
Project #: CA16_4172_007

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Pk Hr Factor

VOLUME

La Presa Ave S/O Apple St

SB

NB

EB

WB

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

Total

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Prepared by NDS/ATD

VOLUME

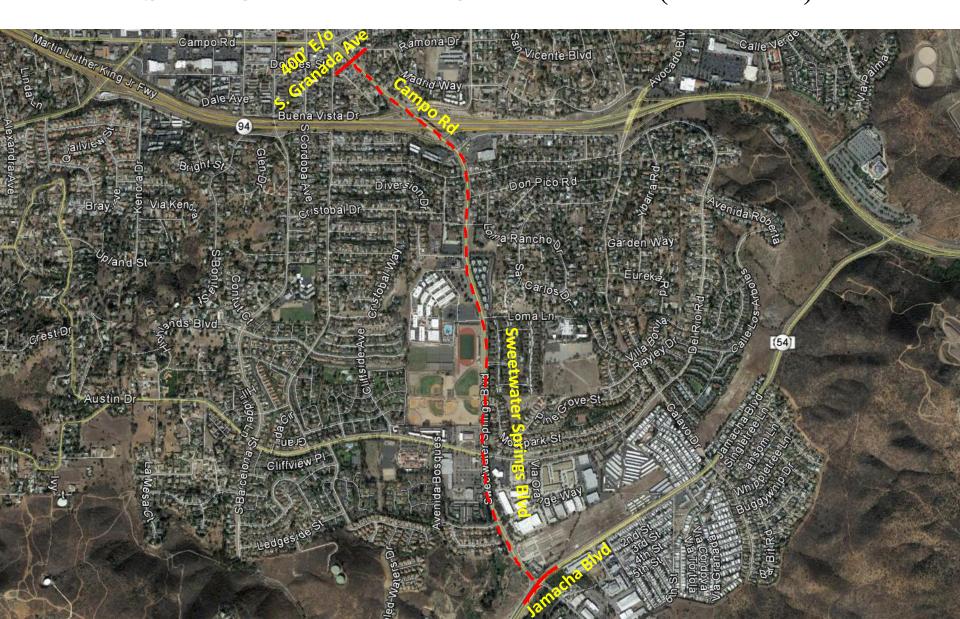
Banock St S/O La Presa Ave

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

Total

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11:30	4	0			4		23:30	3	Č					3	
11:45	3 13	Ö			3	13	23:45	2	14 0	1				2	14
TOTALS	291					291	TOTALS		368	-				77	368
TOTALS	231								_					-	-
SPLIT %	100.0%					44.2%	SPLIT %	_	100.0%				- 1		55.8
STATE STATE	DAILY	TOTALS		NB	SB	300	EB	ALC: N	WB				4/5/4	To	_
Alexander !	DAILI	IOTALS		659	0		0	Here i	0	S- III			VII Y	65	9
AM Peak Hour	6:15					6:15	PM Peak Hour		17:45			-11/1			17:4
AM Pk Volume	58					58	PM Pk Volume		58						58
	20					0.580	Pk Hr Factor		0.630						0.63
						0.500									
Pk Hr Factor	0.580	- 0	_	0	0.	92	4 - 6 Volume		75	- 9			7		
Pk Hr Factor 7 - 9 Volume	0.580 92	- 3		9	0.						10		17		75 17:0
Pk Hr Factor	0.580	9		0	O.	92	4 - 6 Volume		75	2		0	17		75

2-B. Radar Recertification Campo Rd/Sweetwater Springs Blvd from 400' East of South Granada Ave to Jamacha Blvd (1.66 miles)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: December 8, 2017 Item <u>2-B</u>

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.

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

Speed Data Campo Rd/Sweetwater Spri	ngs Boule	85th Percentile evard:	10 MPH <u>Pace</u>	% in <u>Pace</u>
400' N/o Aqua Dulce Blvd	2017	48.0 MPH	37-46	73.0%
200' S/o Cristobal Drive	2016 2009	51.0 MPH 48.0 MPH	41-50 37-46	76.0% 75.0%
200' N/o Moorpark Street	2016 2009	51.0 MPH 48.0 MPH	41-50 38-47	76.0% 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.

Prepared by NDS/ATD

VOLUME

Sweetwater Springs Blvd 100' n/o Del Rio Rd

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

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INV.	D	AILY T	OIA	LS		13,742		13,617	001 11	0		0	10	E - 100		West,	-111	-	27,	359
AM Period	NB		SB	8 - 19	EB	WB	EU.	TO	TAL	PM Period	NB	to A.	SB		EB		WB		TO	TAL
00:00	11		47					58		12:00	218		181						399	
00:15	10		23				- 1	33	-)	12:15	170		177					- 1	347	
00:30	10		34				- 1	44	460	12:30	152	COF	181	711					333 337	1416
00:45	6	37	19	123				25	160	12:45 13:00	155 155	695	182 180	721				_	335	1410
01:00	8		13				- 1	21 35		13:15	156		180					- 1	336	11.00
01:15 01:30	11 4		24 9				- 1	13		13:30	189		205					- 1	394	
01:45	3	26	16	62			- 1	19	88	13:45	181	681	212	777					393	1458
02:00	1		12					13		14:00	229		242						471	
02:15	11		8				- 1	19		14:15	288		250					- 1	538	
02:30	9		11				- 1	20	-5-	14:30	247		248	4006				- 1	495	4000
02:45	17	38	12	43				29	81	14:45	203	967	286	1026				-	489 597	1993
03:00	10		8					18		15:00 15:15	298 257		299 260					- 1	517	
03:15	21		5					26 30		15:30	259		285					- 1	544	- 141
03:30	19 19	69	11 9	33				28	102	15:45	196	1010	255	1099				- 1	451	2109
03:45 04:00	27	09	15	33				42	102	16:00	196		266						462	
04:15	32		4					36	-	16:15	197		302					- 1	499	
04:30	39		9					48		16:30	226		298					- 1	524	
04:45	56	154	13	41				69	195	16:45	264	883	278	1144					542	2027
05:00	101		16					117	1000	17:00	230		317						547	
05:15	107		27					134		17:15	226		292					- 1	518	
05:30	156		28					184		17:30	231	070	295	1225				- 1	526	2104
05:45	160	524	48	119				208	643	17:45	192	879	321	1225				_	513 477	2104
06:00	207		54					261		18:00 18:15	200 168		277 297					- 1	465	
06:15	232		70					302 292		18:30	187		279					- 1	466	
06:30	221	020	71 177	372				445	1300	18:45	183	738	237	1090					420	1828
06:45 07:00	268 296	928	275	3/2				571	1300	19:00	134	,,,,,	216						350	
07:00	395		159					554		19:15	147		201					- 1	348	
07:30	381		164				- 1	545		19:30	136		180					- 1	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					- 1	303	
08:15	254		161					415		20:15	74		183					- 1	257	
08:30	230		173					403		20:30	71	25.6	163	COF				- 1	234 257	1051
08:45	193	1080	149	747				342	1827	20:45 21:00	102 60	356	155 137	695		_		_	197	1051
09:00	176		157					333 300		21:15	66		138						204	
09:15	177		123					302		21:30	67		124					- 1	191	
09:30 09:45	190 197	740	112 113	505				310	1245	21:45	64	257	111	510					175	767
10:00	227	740	107	200				334	12.15	22:00	49		91						140	
10:15	168		131					299		22:15	31		107					- 1	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	21
11:30	182		162					344	4220	23:30	21 15	90	34 51	190					55 66	280
11:45	168	705	166	625		_		334	1330	23:45	15		21		_				00.	
TOTALS		6508		4048					10556	TOTALS		7234	_	9569	_	_			_	16803
SPLIT %		61.7%		38.3%					38.6%	SPLIT %		43.1%		56.9%						61.4%
200		with the	¥μ,=1,		15 10 10	NB	No.	SB	-XI.	EB	, it	WB		To the last	1	100	110		To	ital
	D	AILY 1	OTA	ALS		13,742	M. N	13,617		0	F 1,	0			1	Yn L	80.16		27,	359
		05.15		07.55					07:45	OM Book House		14:15		17:00						14:45
AM Peak Hour		07:15		07:00					07:15	PM Peak Hour PM Pk Volume		1036		1225						2147
AM Pk Volume		1555		874					2418	Pk Hr Factor		0.869		0.954						0.899
Pk Hr Factor		0.965		0.792			_		0.906	4 - 6 Volume		1762		2369		8 =		-0	_	4131
7 - 9 Volume		2528		1621					4149	4 - 6 Peak Hour		16:45		17:00						16:45
7 - 9 Peak Hour		07:15		07:00					07:15	4 - 6 Pk Volume		951		1225		ö.		D		2133
7 - 9 Pk Volume		1555		874			0.000		2418 0.906	Pk Hr Factor		0.901		0.954		0.000				0.975
Pk Hr Factor		0,965		0.792	0.0	0(1)	JUNIAN.		0.900	FR III FACIOI		0.501								5.575



Jamacha Blvd To: 400' E/o S Granada Ave **Road Name:** Campo Rd/Sweetwat From: Direction: NB/SB 400' N/o Aqua Dulce Blvd Position: 0 **Project Number:** Weather: Clear 10/31/2017 Date: Baraa Almmaseer Observer: **Road Condition:** Dry Time Start: 9:30 AM **Calibration Test:** Posted Speed: 45 mph 10:00 AM Time End: Speed Num. Cum. **Number of Vehicles** (mph) Veh. Pct. 12 14 6 8 10 2 15 0 4 16 15 17 18 20 19 25 20 21 30 22 Speed (mph) 35 23 24 40 25 26 45 27 50 28 29 55 30 0.8% 60 31 1 32 65 2.5% 33 34 70 5.8% 35 4 36 100% 37 13 16.7% 10 25.0% 38 90% 39 10 33.3% 80% 40.8% 40 9 9 48.3% 41 70% **Cumulative Percent** 56.7% 10 42 60% 9 64.2% 43 68.3% 44 5 50% 74.2% 45 40% 78.3% 46 83.3% 47 6 30% 48 2 85.0% 20% 89.2% 49 5 50 90.8% 10% 9 98.3% 51 0% 99.2% 52 1 60 70 80 100.0% 30 40 50 10 20 53 1 0 54 Speed (mph) 55 56 -85th Percentile ■Data Plot -50th Percentile 57 58 -90th Percentile 95th Percentile 59 60 **DATA ANALYSIS** 61 62 42.3 31 - 53 Average Speed Range 63 64 10 mph Pace 37 - 46 50th Percentile 41.2 65 66 Number in Pace 87 85th Percentile 48.0 67 68 73% Percent in Pace 90th Percentile 49.5 69 70 50.6 95th Percentile 120 Total

Spot Speed Study

Prepared by: National Data & Surveying Services

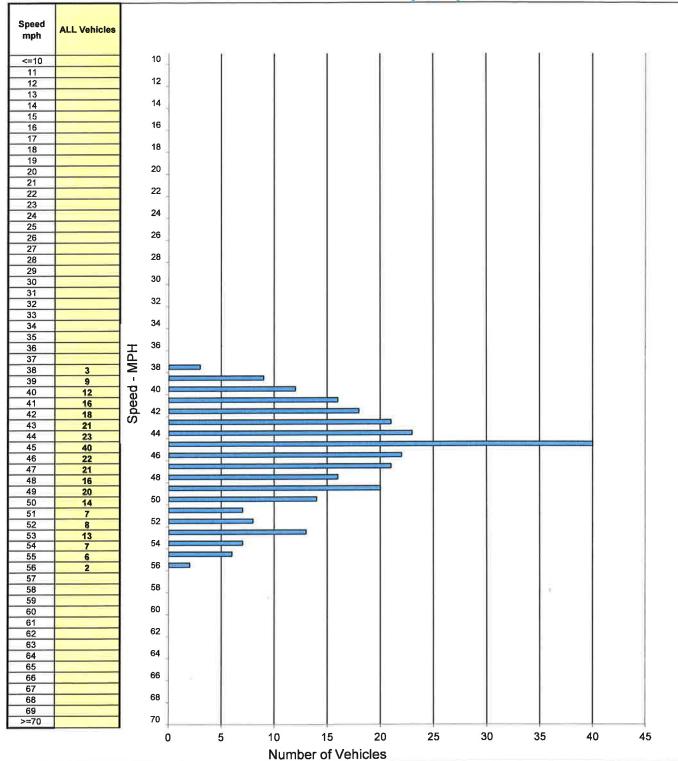
City of Spring Valley

DATE: 2/9/2016

Location: Sweetwater Springs Blvd 200' S/O Cristobal Dr

TIME: 09:00-11:00 Posted Speed: 45 MPH Clear/Dry Project #: 16-4037-001

Northbound & Southbound Spot Speeds



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

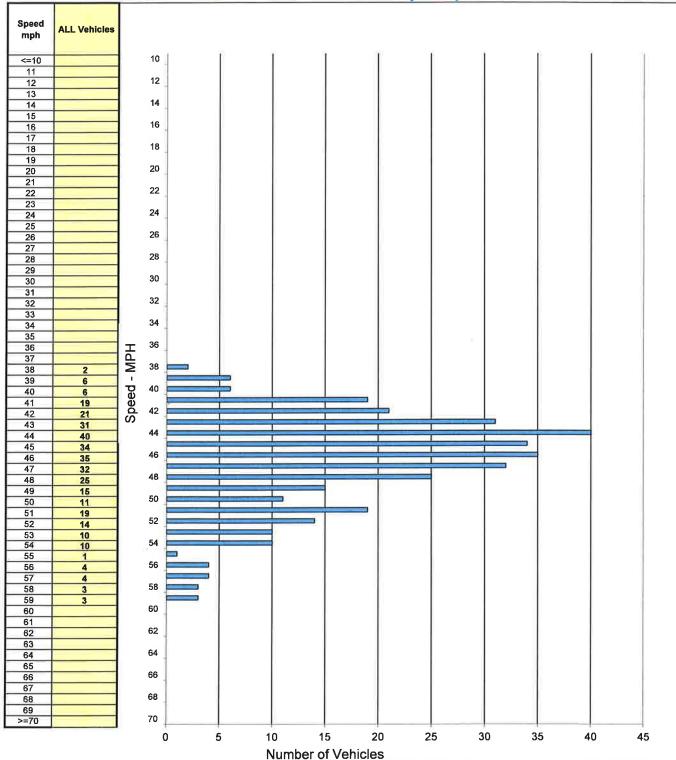
Spot Speed Study
Prepared by: National Data & Surveying Services

City of Spring Valley

Location: Sweetwater Springs Blvd 200' N/O Moorpark St ed Speed: 45 MPH Clear/Dry Project #: 16-40 **DATE: 2/9/2016**

Project #: 16-4037-002 TIME: 11:10-13:10 Posted Speed: 45 MPH

Northbound & Southbound Spot Speeds



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

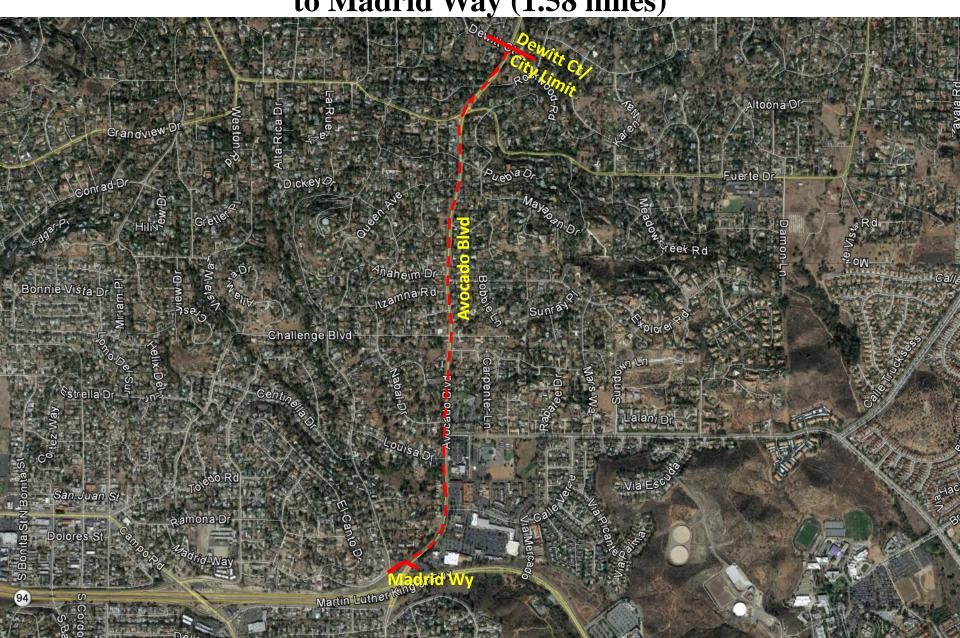


Total

RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Campo Rd/Sweetwat From: 400' E/o S Granada Ave To: Jamacha Blvd **Road Name:** NB/SB Direction: Speed Zone Position: **Project Number:** 0 Weather: Clear 10/31/2017 Date: Observer: Baraa Almmaseer **Road Condition:** Dry Time Start: 9:30 AM Υ **Calibration Test:** 10:00 AM Posted Speed: 45 mph Time End: Speed Num. Cum. **Number of Vehicles** (mph) Veh. Pct. 30 40 50 60 70 80 90 10 20 15 0 16 _______ 15 17 18 20 19 25 20 21 30 22 Speed (mph) 35 23 24 40 25 26 45 27 50 28 29 55 30 31 0.1% 60 1 32 65 2 0.4% 33 34 70 4 0.9% 35 36 100% 2.7% 13 37 38 15 4.7% 90% 8.1% 39 25 80% 27 11.7% 40 41 44 17.6% 70% **Cumulative Percent** 49 24.2% 42 60% 43 61 32.4% 44 68 41.6% 50% 45 81 52.5% 40% 60.8% 46 62 59 68.8% 47 30% 74.6% 43 48 20% 40 79.9% 49 83.6% 50 27 10% 51 35 88.3% 0% 52 23 91.4% 53 24 94.6% 20 30 40 50 60 70 80 0 10 54 17 96.9% Speed (mph) 55 7 97.8% 56 6 98.7% -50th Percentile 85th Percentile Data Plot 57 4 99.2% 58 3 99.6% 95th Percentile 90th Percentile 100.0% 59 60 **DATA ANALYSIS** 61 62 31 - 59 45.7 Range Average Speed 63 64 40 - 49 10 mph Pace 44.8 50th Percentile 65 66 Number in Pace 534 50.3 85th Percentile 67 68 Percent in Pace 72% 51.6 90th Percentile 69 70 95th Percentile 53.2 743

2-C. Radar Recertification 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 <u>2-C</u>

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.

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

Speed Data		85th	10 MPH	% in
Avocado Boulevard:		<u>Percentile</u>	<u>Pace</u>	<u>Pace</u>
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: 4/27/2016 City: El Cajon
Project #: CA16_4113_002

Allow Ho	-	AHVT	OTA	I C		NB	SB		EB	10	WB					otal
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AM Period	NB	Name of	SB	100	EB	WB	то	TAL	PM Period	NB	And the	SB	EB	WB		TAL
00:00	15		31				46		12:00	192		215			407	
00:15	22		19				41		12:15	172		186		2	358	
00:30	18		16				34	100	12:30	185	720	180	000		365	4500
00:45	15	70	12	78			27	148	12:45	189	738	219 193	800		408 382	1538
01:00	15		11				26		13:00 13:15	189 205		193			397	
01:15	7		6				13 25		13:30	186		207			393	
01:30	8	20	17 10	44			19	83	13:45	180	760	222	814		402	1574
01:45 02:00	11	39	6	44			17	- 03	14:00	213	,,,,	233	-		446	
02:15	11		15				26		14:15	244		245			489	
02:30	13		9				22	1	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	1	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	8 1	16:00	281		373			654	
04:15	8		8				16		16:15	249		337			586	
04:30	9		12				21	70	16:30	248	1063	343 387	1440		591 672	2502
04:45	10	35	13	38			23 49	73	16:45 17:00	285 263	1063	363	1440		626	2503
05:00	27		22				72		17:00	235		359			594	
05:15	34		38 50				102		17:30	233		353			586	
05:30 05:45	52 62	175	52	162			114	337	17:45	195	926	343	1418		538	2344
06:00	101	1/3	71	102			172	337	18:00	176		292			468	
06:15	113		84				197	111	18:15	187		297			484	
06:30	133		128				261	1	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	= 12	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		137 111			262 215	
08:30	231		208				439	1041	20:30 20:45	104 87	432	124	512		213	944
08:45	240	972	213	869			453	1841	21:00	95	452	110	217		205	344
09:00	218		191				362		21:00	71		117			188	
09:15 09:30	190 167		172 191				358		21:30	74		86			160	
09:30	151	726	166	720			317	1446	21:45	71	311	70	383		141	694
10:00	151	720	161	720			319	2770	22:00	61		72			133	
10:00	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	W 4			9727	TOTALS		7664		9683			17347
SPLIT %		52.5%		47.5%	V			35.9%	SPLIT %		44.2%	V.	55.8%			64.1%
ne'syr =	W. S.	Allac		10	A	NB	SB	J.	EB	H K	WB	4.5	1. RT 10			otal
MARK SA	D	AILY 1	OIA	ILS .		12,772	14,30	2	0	TI JE	0	Sup. P			27	,074
	-					STREAM STREET	and bridge								-	Total Control

	DAHVTO	DAILY TOTALS			SB	EB	WB				Total
No. of the	DAILY 10	IALS	12	,772	14,302	0	0		w Polymon		27,074
AM Peak Hour	07:15	07:30			07:30	PM Peak Hour	15:30	16:45			15:30
AM Pk Volume	1182	973			2134	PM Pk Volume	1160	1462			2558
Pk Hr Factor	0.857	0,816			0.830	Pk Hr Factor	0.873	0.944			0.920
7 - 9 Volume	2087	1712	TV.	. 0	3799	4 - 6 Volume	1989	2858	0		4847
7 - 9 Peak Hour	07:15	07:30			07:30	4 - 6 Peak Hour	16:00	16:45			16:00
7 - 9 Pk Volume	1182	973	0		2134	4 - 6 Pk Volume	1063	1462			2503
Pk Hr Factor	0.857	0.816	0.009		0.830	Pk Hr Factor	0.932	0,944	0000	0.000	0.931



Dead No.	MEGS-	Avocado	Blud		From:	El Cajon (ity Limit		To:	Madr	id Way		
Road Na						El Cajon C	City Lillin		Directi				
Position:	:	280' S/o I	Morn	ing Sta	r Dr				Directi	OII. 3D/14			
			_		T		<u> </u>		Draina	t Number:	0		
Date:		4/26/201	.6		Weather		Clear						
Time Sta	rt:	9:00 AM			Road Co		Dry		Observ			ractor-co	ounty to
Time End		11:00 AM	1		Posted S	peed:	45 mp	h 	Calibra	tion Test:	0		
Speed (mph)	Num. Veh.	Cum. Pct.						Numbe	er of Vehicles				
15					0	10)	20	30	0	40		50
16 17				15	1		1 1			- 1 1 1	1 1 1	1 1	
18				20	3								
19				25	1								
20 21		_			3								
22			=	30	3								
23			Speed (mph)	35	1								
24			<u>_</u>	40									
25 26			eed	45									
27			Spi										
28				50									
29 30				55									
31				60	3								
32				65	3								
33					3								
34 35				70	3								
36				1000/									
37				100%									
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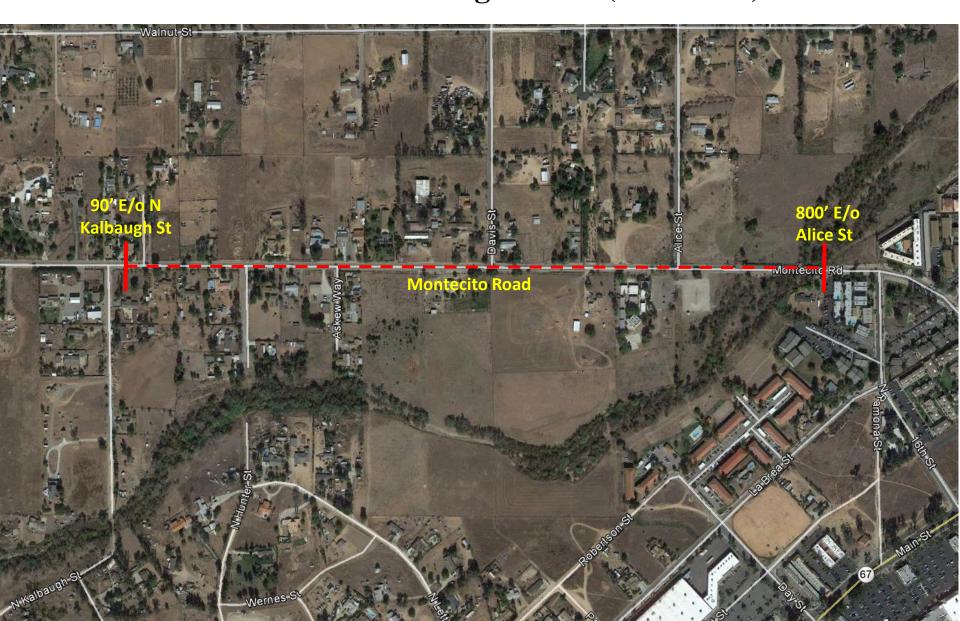


Madrid Way To: From: El Cajon City Limit Road Name: Avocado Bivd Direction: SB/NB 100' S/o Dewitt Ct Position: **Project Number:** Weather: Clear 4/26/2016 Date: Observer: Contractor-county fo **Road Condition:** Dry Time Start: 12:00pm **Calibration Test: Posted Speed:** 45 mph 2:00 PM Time End: Speed Cum. **Number of Vehicles** (mph) Veh. Pct. 15 20 25 30 35 40 5 10 15 0 16 15 17 18 20 19 25 20 21 30 22 Speed (mph) 35 23 24 40 25 45 26 27 50 28 29 55 30 60 31 32 65 33 34 70 35 36 0.7% 100% 37 1.9% 38 3 90% 39 2 2.6% 80% 3.7% 40 3 41 6.3% 70% **Cumulative Percent** 11.2% 42 13 60% 43 15 16.7% 44 22.7% 16 50% 45 36 36.1% 40% 29 46.8% 46 47 26 56.5% 30% 65.1% 23 48 20% 23 73.6% 49 80.3% 50 18 10% 51 84.8% 12 0% 90.0% 52 14 40 70 80 53 92.2% 20 30 50 60 6 0 10 54 6 94.4% Speed (mph) 2 95.2% 55 56 3 96.3% -85th Percentile --- 50th Percentile ■Data Plot 97.8% 57 4 98.9% 95th Percentile 58 -90th Percentile 100.0% 59 60 **DATA ANALYSIS** 61 62 36 - 59 47.3 Range Average Speed 63 64 10 mph Pace 43 - 52 46.3 50th Percentile 65 212 66 Number in Pace 51.0 85th Percentile 67 68 79% 52.0 Percent in Pace 90th Percentile 69 70 54.8 95th Percentile 269 Total



The state of	SESTI											
Road Nan	ne:	Avocado	Blvd	From:	El Cajon (City Limit		То:	Ma	adrid Wa	У	
Position:		Speed Zo	ne					Direct	ion: NB	S/SB		
Date:		4/26/201	7	Weather	r:	Clear		Projec	t Numbe	r: 1.5	88 miles	
Time Star	t:	9:00 AM		Road Co	ndition:	Dry		Obser	ver:	Co	ntractor	
Time End	:	2:00 PM		Posted S	peed:	45 mpł	1	Calibr	ation Test	t: 0		
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61 62		_	Α.	C	1	47.6		Range		:	36 - 59	
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66			0E+h	Percentile		51.2		Number in	Pace		451	
67												
68 69			90th	Percentile		52.3		Percent in	Pace		80%	
70			Q5+h	Percentile		54.1						
Total	562		2301	, crecinine		J 11.2						

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 <u>2-D</u>

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 Vol	<u>umes</u>	<u>06/16</u>	<u>05/10</u>	
Montecito Road: W/o Davis Street		1,610	1,740	
Spot Speed Data Montecito Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
230' E/o Davis Street	2016 2010	45.6 MPH 44.8 MPH	34-43 34-43	72.0% 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: 7/6/2016

Pk Hr Factor

City: Ramona Project #: CA16_4203_001

75 0.694

81 0.880

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0.806

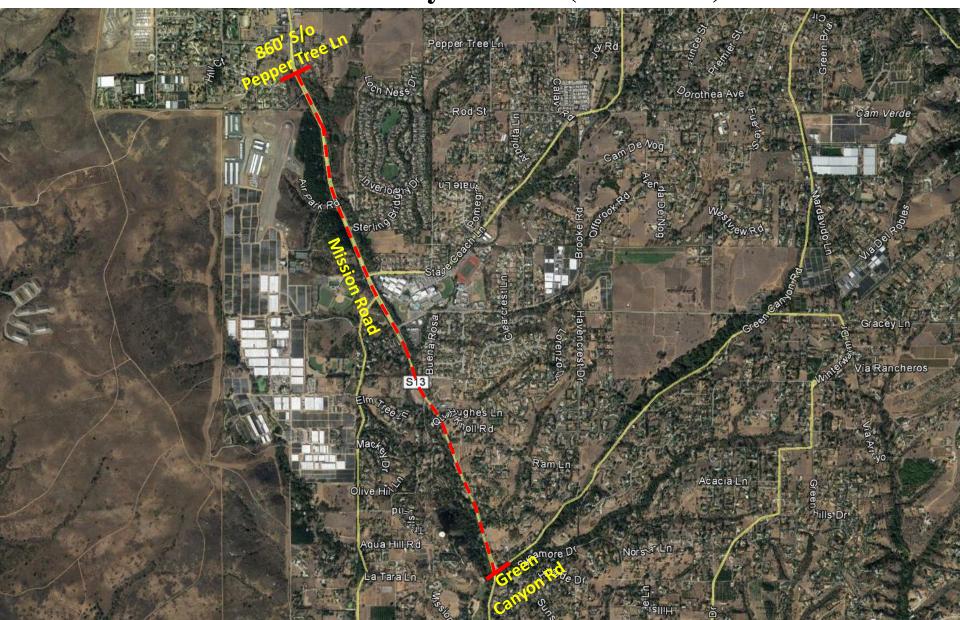
Pk Hr Factor

0.898



	Doest														
Road Na	me:	Montecito	o Rd		From: ()				То:	0				
Position:	:	230' E/O I	Davis	St						Directio	n: El	B/WB			
Date:		7/6/2016			Weather	:	clear			Project	Numbe	er:	0		
Time Sta	rt:	9:00 AM			Road Cor	dition:	dry			Observe	er:		Cont	ractor	
Time End	d:	11:00 AM	1		Posted S	peed:	40 M	PH		Calibrat	ion Te	st:	N		
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Total	142		<u> </u>												

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 <u>5-A</u>

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

1/09

(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

Average Daily Traffic Volumes

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.

4/16

Mission Road:	<u></u>	<u></u>	<u></u>	
@ Green Canyon Road		21,530	19,300	
Speed Data Mission Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
300 ft N/o Sterling Bridge	2016	53.3 MPH	45-54	88.0%
1,900 ft N/o Green Cyn	2016 2010	55.5 MPH 60.0 MPH	46-55 47-56	82.0% 57.4%
Speed Zone	2016	53.8 MPH	46-55	85.0%

Collision Data

<u>4-lane roadway segment</u>: 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.

<u>2-lane roadway segment</u>: 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

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11:30 11:45	144 152	563	133 148	575				300	1138	23:45	29	117	10	57					39	174
TOTALS		3388		5608					8996	TOTALS		7073		5463						12536
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	D	AILY.	TOTA	NLS		10,46	1	11,07		0		0	ΝĚ	ho , l	er it	g) in	W.		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_1	21		0,923	Pk Hr Factor		0.928		0.866						0.966
7 - 9 Volume		1203		1954			- 0		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		W				17:00
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	COCCE							r			
Road Na	me:	Mission F	Road	From:	860' S/o Pe	pper Tree Li	1			anyon Rd	
Position	:	1900' N/	o Green Cai	nyon Rd				Direction:	NB/SB		
Date:		4/21/201	L6	Weathe	er:	Clear		Project Num	ber:	0	
Time Sta	art:	9:40 AM		Road Co	ondition:	Dry		Observer:		Contractor	
Time En		11:40 AM	 Л	Posted	Speed:	50 mph		Calibration T	est:	Υ	
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Total	1//		L							-	

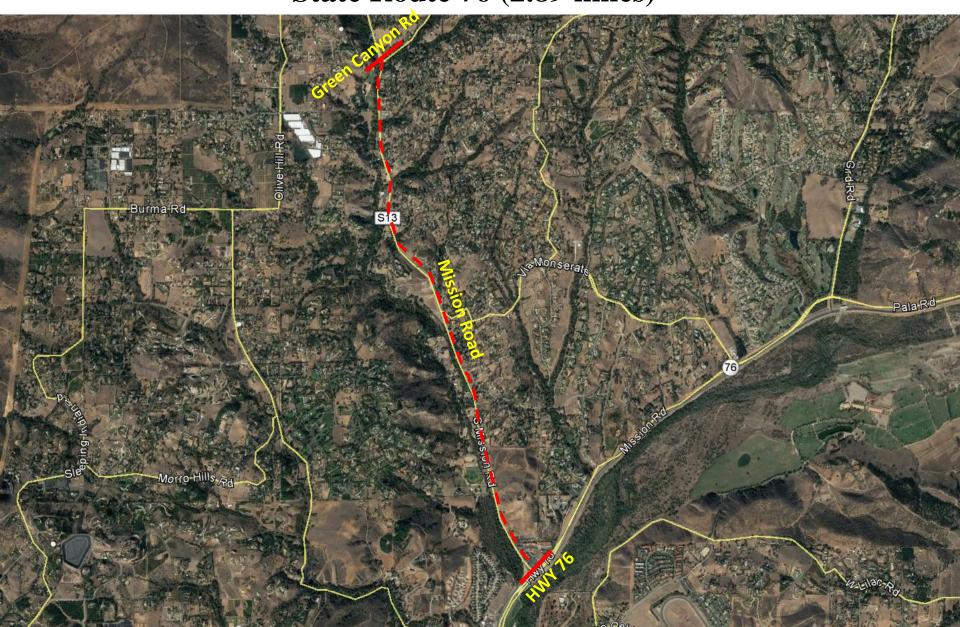


274	RECEPT											
Road Na	ame:	Mission I	Road	From:	860' S/o F	Pepper T	ree Ln	То	: 0	Green Can	yon Rd	
Position	:	300' N/o	Sterling B	ridge				Di	rection: N	IB/SB		
Date:		1/8/2016	 5	Weathe	r:	Clea	r	Pr	oject Numb	er: 0		
Time Sta	art:	9:15 AM		Road Co	ndition:	Dry		OI	oserver:	Co	ontractor	
Time En	d:	11:15 AN	/I	Posted S	Speed:	50 m	nph	Ca	libration Te	st: Y		
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70			95th P	ercentile		55.0						
Total	229	1						L				



Road Name	21	Mission R	oad.		From:	360' S/o I	Pepper Tre	eln	To:	G	reen Car	nyon Rd	
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Time End:		12:00 AM			Posted S		50 mp	h	Calib	ration Te	st: Y	,	
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68 69			90	th Per	centile		54.9		Percent ir	Pace		85%	
70			0.5	th Dan	contile		57.5						
Total	406		1 95	oth Per	centile		37.3						

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 <u>5-B</u>

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.

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

Speed Data Mission Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
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: 4/27/2016 City: Fallbrook
Project #: CA16_4110_002

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11:45 TOTALS	152	563 3388	148	575 5608	1 51	1 No. of the Lorentz	300	8996	TOTALS	23	7073	10	5463	J.			12536
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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	- 0	- 0	3157	4 - 6 Volume	1768	1344	70		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		9,000	0.923	Pk Hr Factor	0.928	0.866	0:000	0.000	0.966



	MEGGA													
Road Name: Mission Road					From:	Green C	anyon Ro	To:	s: SR 76					
Position	n:	at Via Er	ncinos	Dr						Direction: NB/SB				
Date:		5/23/20	16		Weathe	er:	Clea	r		Project Numb	er: 0			
Time St	art:	9:00 AM			Road Co	ondition:	Dry			Observer:	C	ontractor		
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Road Na	ame:	Mission	Road		From:	Green Car	nyon Road		To:	SR 76			
Position	1:	3240' N/	o SR	76					Direction: NB/SB				
Date:		5/25/20	17		Weath	er:	Clear		Project Numb	er:	0		
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54		67.7%						Conned /	mnhl				
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55 56	24 29 17	74.3% 78.2%			Data Blot			•			9Eth Darcanti	lo	
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	BEGU												
Road Nan	ne:	Mission F	Road	From:	Green Ca	nyon Road		Т	To: SR 76				
Position:		Speed Zo	ne					C	irection:	NB/SB			
Date:		5/25/201	.7	Weather	:	Clear		P	roject Nun	nber:	0		
Time Star	rt:	12:00 AN	1	Road Co	ndition:	Dry	Dry				Contractor		
Time End		12:00 AM		Posted S	peed:	50 mph	1/	C	alibration	Test:	Υ		
Speed	Num.	Cum.						er of Vel	niclos				
(mph) 15	Veh.	Pct.		0	20	40	Wullin	60 60	8	0	100	120	
16			15			1 5 5 10		1 1 1 2					
17 18		-	20	3									
19				3									
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53 54	60 41	70.0% 75.2%		0	10	20	30	40	50	60	70	80	
55	42	80.5%	N 8				S	Speed (m	pn)				
56 57	26 40	83.8% 88.9%		■Data Plot		_	50t	th Percen	tile		-85th Percen	tile	
58	25	92.0%	<u></u>	-90th Perc	entile	_	95t	th Percen	tile				
59	17	94.2%		300111010									
60	13	95.2% 96.8%					DATA	ANALYSI	S				
62	5	97.5%	Average	Speed		52.0		R	ange		45 - 66		
63	5	98.1%								_			
64 65	11 2	99.5% 99.7%	50th Pe	rcentile		50.8		10 m	ph Pace		46 - 55		
66	2	100.0%	85th Pe	rcentile		56.2		Numb	er in Pace		622		
67 68													
69			90th Pe	rcentile		57.4	_	Percei	nt in Pace		79%		
70			95th Pe	rcentile		59.8							
Total	791												