## San Diego County Traffic Advisory Committee



Committee Secretary 5510 Overland Avenue #410, Room 470, M.S. 0-334 San Diego, California 92123-1239 (858) 694-3843 Represented Agencies

County of San Diego Fire Authority
California Department of
Transportation
California Highway Patrol
Independent Insurance Agents
& Brokers of San Diego
San Diego County Bicycle Coalition
San Diego County Department of
Public Works
San Diego County Office of Education
Pacific Safety Center
San Diego County Sheriff's
Department

August 30, 2021

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

#### **MEETING NOTICE**

Attached is the preliminary agenda for the September 10, 2021 meeting of the Traffic Advisory Committee (TAC).

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

Join on your computer or mobile app

Click here to join the meeting

Or call in (audio only)

+1 619-343-2539,,77685038# United States, San Diego

Phone Conference ID: 776 850 38# Find a local number | Learn More

J. J. J

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

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

Very truly yours,

Kenton R. Jones, Secretary

San Diego County Traffic Advisory Committee

KRJ:sh

Attachment

## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

## September 10, 2021 ~ 9:00 AM 5510 Overland Ave, Room 271 San Diego CA, 92123

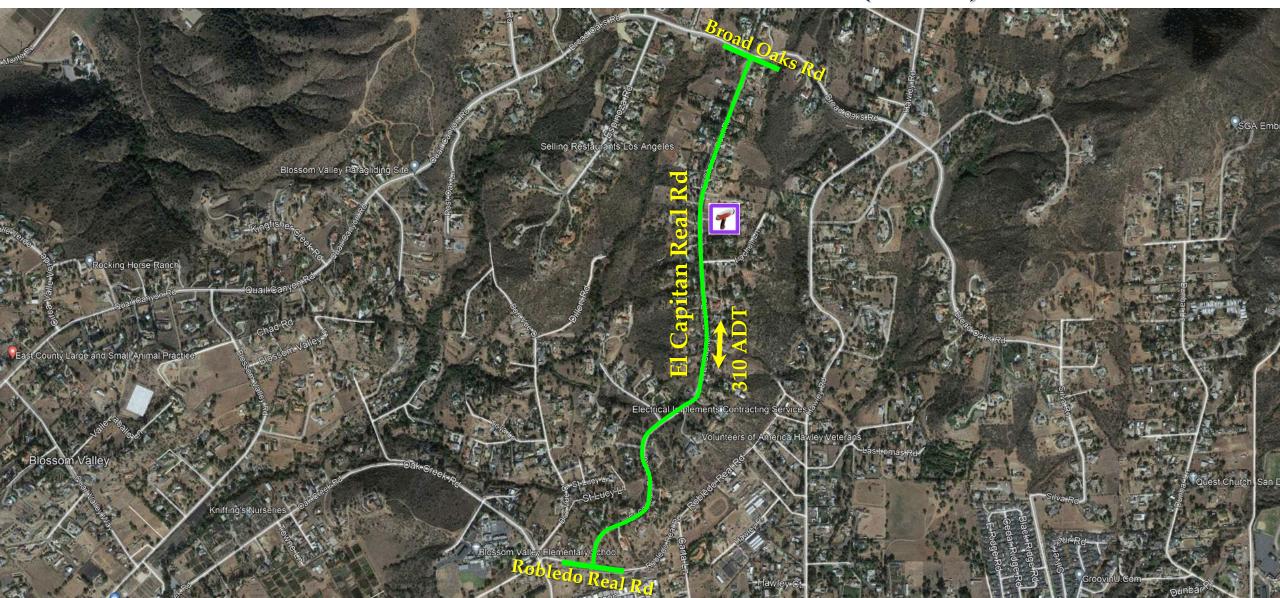
## **AGENDA**

I.	Call to Order / Roll Call
II.	Pledge of Allegiance
III.	Approval of Minutes

IV. Items for Review

SUBJI	ECT	LOCATION	AREA/ PLANNING/SPONSOR GROU				
SUPE	RVISORIAL DISTRICT 2						
2-A.	RADAR CERTIFICATION	EL CAPITAN REAL ROAD ROBLEDO REAL RD TO BROAD OAKS RD	BLOSSOM VALLEY/ LAKESIDE CPG				
2-B.	RADAR CERTIFICATION	ARCHIE MOORE ROAD STATE ROUTE 67 TO HIGHLAND VALLEY RD	RAMONA/ RAMONA CPG				
2-C.	RADAR CERTIFICATION	AUSTIN DRIVE S BARCELONA ST TO SWEETWATER SPRINGS BL	SPRING VALLEY/ SPRING VALLEY CPG				
2-D.	RADAR CERTIFICATION	AUSTIN DRIVE/MONTEMAR DRIVE HELIX ST TO S BARCELONA ST	SPRING VALLEY/ SPRING VALLEY CPG				
2-E.	INTERSECTION CONTROL	AUSTIN DRIVE & MONTEMAR DRIVE	SPRING VALLEY/ SPRING VALLEY CPG				
SUPE	RVIORIAL DISTRICT 5						
5-A.	RADAR CERTIFICATION	GOPHER CANYON ROAD OLD HIGHWAY 395 TO SPA HAVENS WY	BONSALL/ BONSALL CSG				
5-B.	RADAR CERTIFICATION	GOPHER CANYON ROAD SPA HAVENS WY TO E VISTA WY	BONSALL/ BONSALL CSG				
5-C.	RADAR CERTIFICATION	LIVE OAK PARK ROAD MISSION RD TO GUM TREE LN	FALLBROOK/ FALLBROOK CPG				
5-D.	RADAR CERTIFICATION	LIVE OAK PARK ROAD GUM TREE LN TO RECHE RD	FALLBROOK/ FALLBROOK CPG				

# 2-A. Radar Certification El Capitan Real Road Robledo Real Road to Broad Oaks Road (1.14 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item 2-A

SUPERVISORIAL DISTRICT: 2

**SUBJECT:** Radar Recertification

LOCATION: El Capitan Real Road from Robledo Real Road to

Broad Oaks Road (a distance of 1.14 miles)

BLOSSOM VALLEY (Thos. Bros. 1233-B1)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Recertification

#### PROBLEM AS STATED BY REQUESTER:

El Capitan Real Road from Robledo Real Road to Broad Oaks Road posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification of the existing 45 MPH speed limit.

#### **Existing Traffic Devices**

El Capitan Real Road is a striped two-lane local roadway with a 24 foot travelled way on a 28 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There is a speed advisory curve and flashing beacon as the roadway changes names to Old Julian Highway. El Capitan Real Road is unclassified on the County General Plan Mobility Element Network. The roadway is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volu	<u>mes</u>	<u>05/21</u>	<u>07/13</u>	
100' N/o Vachell Lane		310	300	
Speed Data El Capitan Real Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
100' N/o Vachell Lane	(2021) (2013)	45.1 MPH 49.1 MPH	31-40 37-46	63.0% 42.0%

#### **Collision Data**

There have been 0 reported collisions along this segment of roadway in a 3 year period (03-01-18 to 02-28-21).

#### **VOLUME**

#### El Capitan Real Rd 100' N/O Vachell Ln

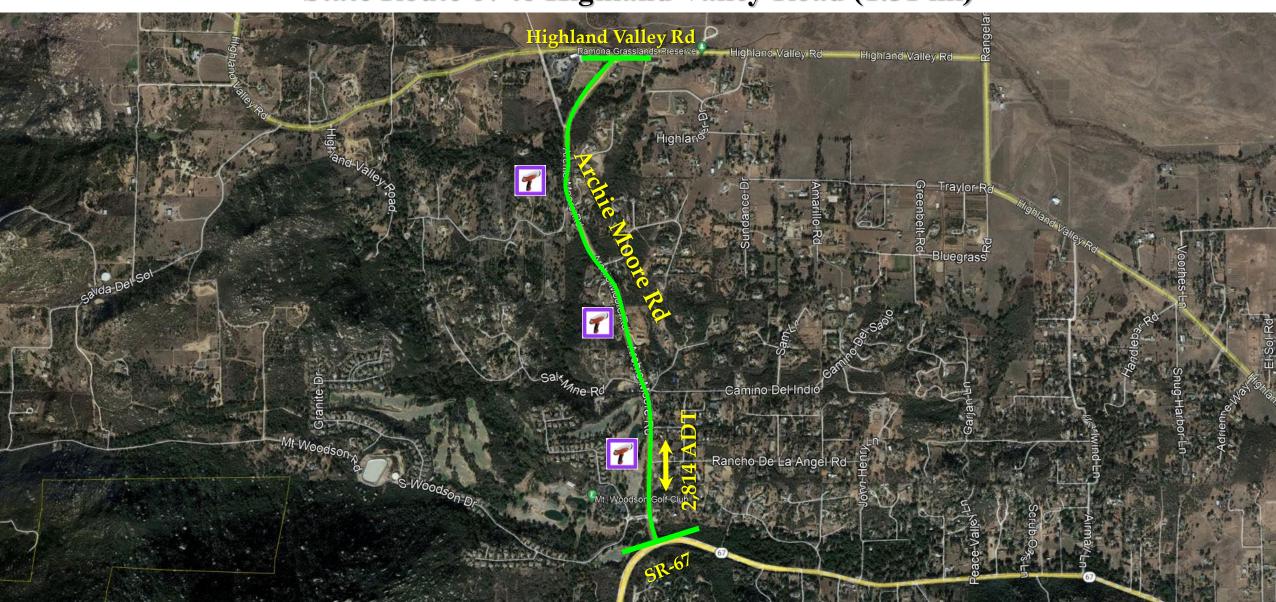
Day: Tuesday Date: 5/18/2021 City: El Cajon
Project #: CA21\_040084\_007

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# 2-B. Radar Certification Archie Moore Road State Route 67 to Highland Valley Road (1.51 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item 2-B

SUPERVISORIAL DISTRICT: 2

**SUBJECT:** Radar Certification

**LOCATION:** Archie Moore Road from State Route 67 to Highland

Valley Road (a distance of 1.51 miles) RAMONA

(Thos. Bros. 1171-F3)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Archie Moore Road from State Route 67 and Highland Valley Road is currently an unposted 55 MPH speed zone. Preliminary review of prevailing speeds and roadway conditions could support radar certification of a 50 MPH speed.

#### **Existing Traffic Devices**

Archie Moore Road is a striped two-lane roadway with a 24 foot travelled way on a 32 to 40 foot road bed. The roadway is striped with a no passing centerline and white edgeline. There are intersection and school bus stop warning signs along the roadway. There is a school zone with associated signage near the northern endpoint of this segment at Highland Valley Road. Archie Moore Road is classified as a Community Collector on the County General Plan Mobility Element Network. It currently has no posted speed limit.

Average Daily Traffic Volumes	<u>12/18</u>
Archie Moore Road:	
1,000' N/o SR-67	2,814

Speed Data Archie Moore Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
100' N/o Rancho de la Angel Rd	(2021)	50.6 MPH	43-52	62.0%
At Mount Woodson Heights	(2021)	53.0 MPH	41-50	58.0%
300' S/o Quail Crossing	(2021)	59.8 MPH	49-58	53.0%
Speed Zone	(2021)	54.5 MPH	44-53	57.7%

#### **Collision Data**

There have been 2 reported collisions along this segment of roadway, none of which

involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 0.60 collisions per million vehicle miles. The statewide average is 1.40 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than 55 MPH.



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

## COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: August 20, 2021

Item Title: Speed Limit and Radar Certification

Location: Archie Moore Road from SR 67 to Highland Valley Road

CTE Recommendation: Establish 50 MPH Radar Enforced Speed Limit 340

#### Conditions:

- Section 22358 of the California Vehicle Code authorizes a local agency to determine upon the basis of an Engineering and Traffic Survey (E&TS) that the speed limit of 65 miles per hour (mph) is more than is reasonable or safe, the agency may declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, or 25 mph, whichever is found most appropriate and is reasonable and safe.
- Section 2B.13 "Speed Limit Sign (R2-1)" of the California MUTCD, provides that an E&TS shall include a) prevailing speeds, b) collision records, and c) highway, traffic and roadside conditions that are not apparent to a driver.
- The California Manual on Uniform Traffic Control Devices stipulates that speed limits are usually set at the 5 mph increment above or below the prevailing (85<sup>th</sup> percentile) speed of motorists.
- Archie Moore Road is a two-lane roadway with no bike lanes, unimproved shoulder areas and provides direct access to 6 driveways and intersects 10 streets. Mount Woodson Elementary school is located at the north end of Archie Moore Road at Highland Valley Road.

- Archie Moore Road is designated as a Community Collector with a design speed of 45 mph and an existing ADT of 2,814 vehicles per day.
- Recent speed surveys on Archie Moore Road taken in July and August 2021 at 3 locations within the subject segment resulted in an overall prevailing speed of 54.5 mph, which supports a speed limit of 50 mph using radar for speed enforcement.
- Pursuant to CVC section 22358 and the guidance of the CA MUTCD section 2B.13, a 50 mph radar enforced speed limit on Archie Moore Road between SR 67 and Highland Valley Road is reasonable and safe.

#### Prepared by NDS/ATD

Prepared by National Data & Surveying Services

#### **VOLUME**

### Archie Moore Rd 1,000' N/O Hwy 67

Day: Thursday Date: 12/13/2018 City: Ramona
Project #: CA18\_4453\_006

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7 - 9 Peak Hour		08:00		07:00					07:00	4 - 6 Peak Hour		16:30		16:30						16:30
7 - 9 Pk Volume		101		307					352	4 - 6 Pk Volume		165		59						224
Pk Hr Factor		0.664		0.768					0.779	Pk Hr Factor		0.809		0.738						0.789
				00								2.303								



Will have	DCCC1													
Road Na	me:	Archie M	oore R	oad	From:	Hwy 67		То:	To: Highlands Valley Road					
Position	:	100' N/O	Ranch	o De l	La Angel I	Road			Dire	ection:	NB/SB			
					1									
Date:		7/1/2021	L		Weathe		Clear	•	Pro	ject Numb	er:	0		
Time Sta	art:	10.45 AM	1		Road Co	ndition:	Dry/0	Good	Obs	server:	(	Chris Chan	1	
Time En	d:	11:55 AM	1		Posted S	peed:	Unpo	osted	Cali	ibration Te	est:	Υ		
Speed (mph)	Num. Veh.	Cum. Pct.						Num	ber of Vehicl	es				
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20				25	=									
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23			ph)	35										
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57 58			<u> </u>	oata Pl	lot —— 5	50th Per	centile —	-85th F	Percentile —	— 90th Pe	rcentile	—— 95th	Percentile	
59														
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63			Ave	rage S	Speed		44.6		Rang	ge		29 - 56	<b>o</b>	
64 65			50tl	h Perc	entile		44.9		10 mph	Pace		43 - 52	2	
66			85tl	h Perc	entile		50.6		Number i	n Pace		64		
67 68										-				
69			90tl	n Perc	entile		51.3		Percent in	n Pace		62%		
70 Total	104		95tl	h Perc	entile		52.0							



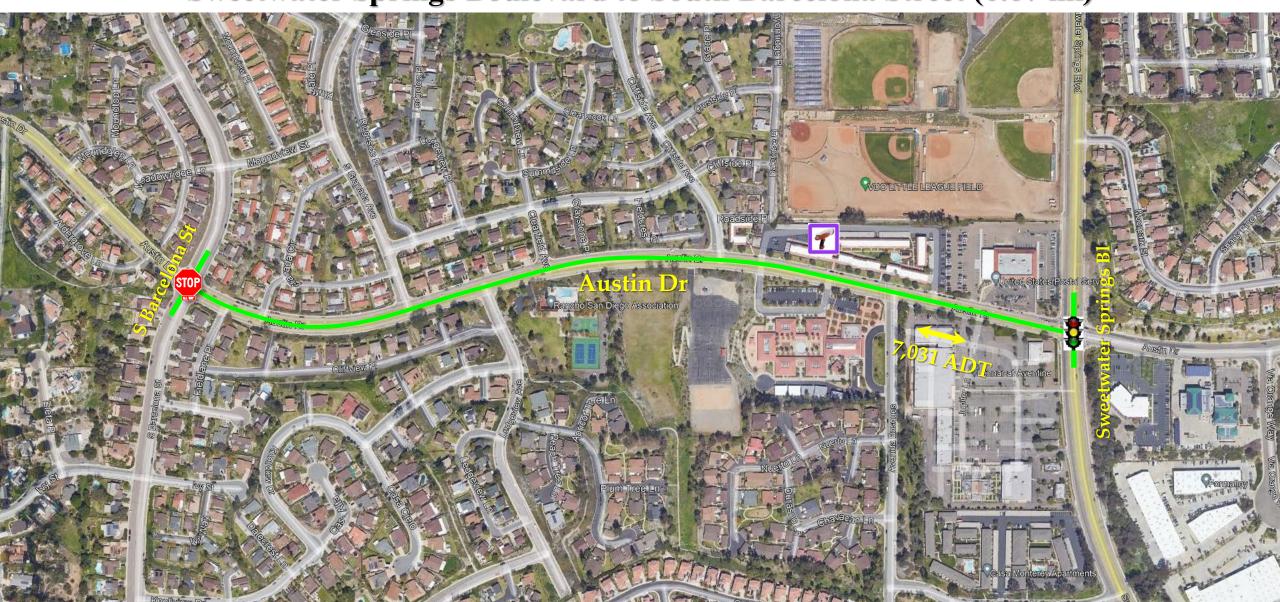
W. Carlot	Doccil															
Road Na	me:	Archie N	1oore	Rd	From:	Highla	and Vall	ey Rd			<b>To:</b> SR-67					
Position	:	@ Moun	nt Wo	odson H	Heights (P	VT)					Direction:	NB/SB				
Date:		8/18/20	21		Weathe	r:		Clear			Project Num	ber:	N/A			
Time Sta	art:	10:25 AN	M		Road Condition: Dry					Observer:		Coun	ty			
Time En	d:	11:45 AN	M		Posted S	Speed:	:	Unpos	ted		Calibration 1	Test:	Υ			
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68 69		<b> </b>	90	Oth Perd	centile		54	.2		Perce	nt in Pace		5	8%		
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400	Decelle												
Road Na	me:	Archie N	/loore l	Rd	From:	Quail C	rossing			То:	Ranch	o Suenos	Dr
Position	:	300 FT S	/O Qu	ail Cro	ssing					Direction:	NB/SB		
									•				
Date:		8/3/202	1		Weathe	r:	Clea	r		Project Nur	nber:	0	
Time Sta	art:	11:00AN	Л		Road Co	ndition	: DRY			Observer:		Christo	pher Chan
Time En	d:	12:40PM	/1		Posted S	Speed:	N/A			Calibration	Test:	0	
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59	2	79.7%			• • • • • • • • • • • • • • • • • • • •								
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66	-	55.770					F.C. 0		<b>.</b>		1		
67	2	98.4%	85t	h Perc	entile		59.8		Numb	er in Pace		65	
68	1	99.2%	00±	h Dar-	ontile		60.9		Dores	at in Daca		F 20	,
69	1	100.0%	900	h Perc	citile		90.9		Percer	nt in Pace		53%	0
70			95+	h Perc	entile		63.9						
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## 2-C. Radar Certification Austin Drive

**Sweetwater Springs Boulevard to South Barcelona Street (0.67 mi)** 



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>2-C</u>

**SUPERVISORIAL DISTRICT**: 2

**SUBJECT:** Radar Certification

**LOCATION:** Austin Drive from Sweetwater Springs Boulevard to

South Barcelona Street (a distance of 0.67 miles)

SPRING VALLEY (Thos. Bros. 1271-E7)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

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

#### **Existing Traffic Devices**

Austin Drive is a striped two-lane divided through highway with a 36 foot travelled way on a 36 to 70 foot road bed. The roadway is striped with a no passing centerline, two way left turn lane, and bike lanes. There is a marked school zone on the segment and an uncontrolled school crosswalk with flashing beacons on a mast arm at the intersection of Avenida Bosque. Austin Drive is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 40 MPH/Radar Enforced.

Average Daily Traffic Volumes	<u>08/21</u>
Austin Drive:	
100' E/o Avenida Bosques	7,031

	85th	10 MPH	% in
Speed Data	<u>Percentile</u>	<u>Pace</u>	<u>Pace</u>
Austin Drive:			
300' W/o Avenida Bosques (2021)	47.4 MPH	37-46	65.0%
(2014)	44.2 MPH	35-44	71.0%

#### **Collision Data**

There have been 14 reported collisions along this segment of roadway, 6 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 2.72 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

#### Prepared by NDS/ATD

Prepared by National Data & Surveying Services

#### **VOLUME**

### Austin Dr 100' E/O Avenida Bosques

**Day:** Tuesday **Date:** 8/17/2021

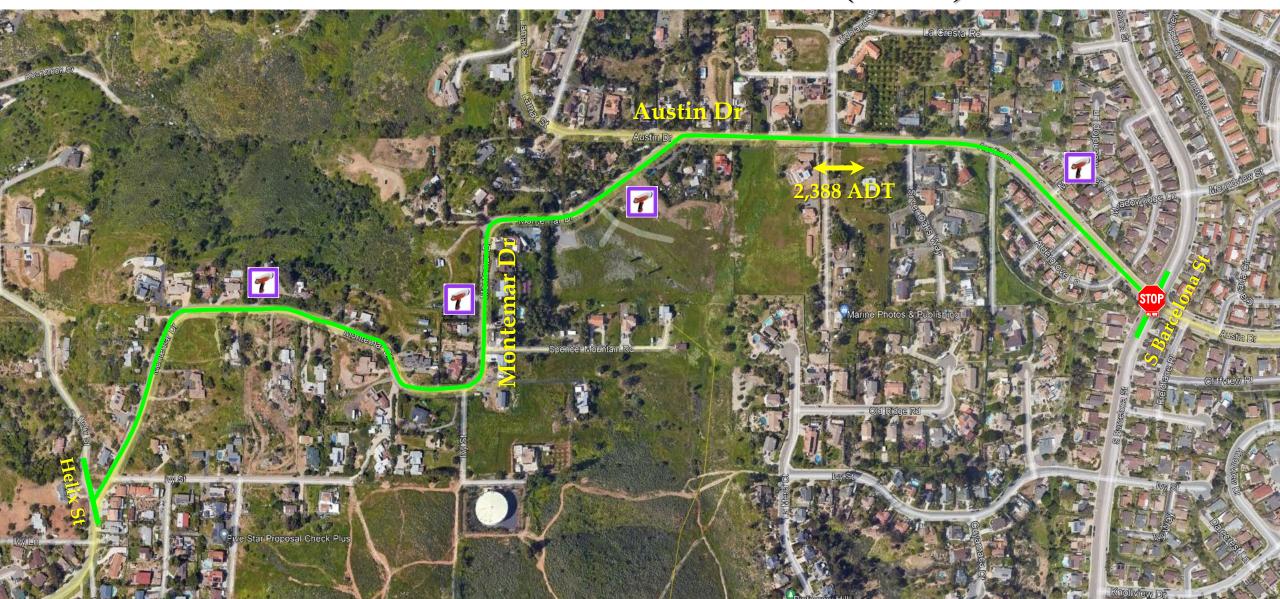
City: Spring Valley
Project #: CA21\_040142\_001

	DAI	LY TOTALS			NB		SB		EB		WB						otal
					0		0		3,690		3,341					7,0	031
AM Period	NB	SB	EB		WB			TAL	PM Period	NB	SB	EB	3	WB			TAL
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00:30	0	0	3		6		9		12:30	0	0	44		74		118	
00:45 01:00	0	0	2 1	18	<u>2</u> 5	20	<u>4</u> 6	38	12:45 13:00	0	0 0	52 138		105 70	280	157 208	485
01:15	0	0	2		6		8		13:15	0	0	102		55		157	
01:30	0	0	1	-	2	1.0	3	24	13:30	0	0	61		36	207	97	FF0
01:45 02:00	0	0	1 1	5	<u>3</u>	16	3	21	13:45 14:00	0	0 0	50 50		46 65	207	96 115	558
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07:45	0	0	169	427	119	343	288	770	19:45	0	0	35		42	172	77	313
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Pk Hr Factor 7 - 9 Volume		0 (	)	0.688 713		0.744 540		1253	4 - 6 Volume		0	0	0.639 512		0.724 517		0.769 1029
7 - 9 Peak Hour				07:15		07:15		07:15	4 - 6 Peak Hour				16:30		16:30		16:30
7 - 9 Pk Volume				465		354		819	4 - 6 Pk Volume				284		283		567
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1016	DCCCLL				1					1				
Road Na	ame:	Austin D	rive		From:	Monte	mar Dr			То:	S	weetwat	ter Springs I	ВІ
Position	ı:	300' W/d	o Aver	nida Bo	ques					Direct	ion: N	NB/SB		
Date:		5/20/20	21		Weathe	r:	Clea	r		Projec	t Numb	<b>er:</b> 2	21-040085-0	003
Time Sta	art:	11:15 AN	VI		Road Co	ndition	: Dry			Obser	ver:	C	Contractor	
Time En	d:	1:15 PM			Posted S	Speed:	40 N	ЛРH		Calibr	ation Te	st: Y	,	
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63	<del>                                     </del>		Av	erage S	Speed		42.0		F	Range			26 - 58	
64			50	th Perc	entile		41.4		10 n	nph Pa	ce		37 - 46	
65 66						1								
67			85	th Perc	entile		47.4		Numb	er in F	ace		312	
68			90	th Perc	entile		48.6		Perce	nt in P	ace		65%	
69 70	-					1								
Total	483		95	th Perc	entile		50.2							
-	•	-				•								

## 2-D. Radar Certification Austin Drive/Montemar Drive South Barcelona Street to Helix Street (1.12 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

Item 2-D **COMMITTEE REPORT OF:** September 10, 2021

SUPERVISORIAL DISTRICT:

SUBJECT: Radar Certification

LOCATION: Austin Drive/Montemar Drive from South Barcelona

Street to Helix Street (a distance of 1.12 miles)

SPRING VALLEY (Thos. Bros. 1271-D7)

**INITIATED BY: DPW Traffic Engineering** 

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Austin Drive from South Barcelona Street to Montemar Drive is currently posted 40 MPH Radar Enforced. Montemar Drive from Austin Drive to Helix Street has no posted speed limit. Preliminary review of prevailing speeds and roadway conditions could support radar certification of a 30 MPH speed limit Austin Drive/Montemar Drive from South Barcelona Street to Helix Street.

#### **Existing Traffic Devices**

Austin Drive/Montemar Drive is a striped two-lane through highway with a 24 foot travelled way on a 24 to 64 foot road bed. The roadway is striped with a no passing centerline. There are turn advisory signs with supplemental advisory speed plaques along the segment. Austin Drive is also striped with white edgeline from Montemar Drive to Highlands Boulevard and bikelane from Highlands Boulevard to South Barcelona Street. Montemar Drive/Austin Drive is unclassified on the County General Plan Mobility Element Network.

Average Daily Traffic Volume Austin Drive:	<u>nes</u>	<u>08/21</u>	<u>11/13</u>	
At Highlands Boulevard		2,388	2,350	
Speed Data Austin Drive:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
600' W/o Barcelona Street	(2021) (2014)	39.5 MPH 38.6 MPH	32-41 31-40	80.0% 79.0%
Montemar Drive: 300' S/o Austin Drive	(2021)	32.5 MPH	24-33	82.0%
1,200' S/o Austin Drive	(2021)	32.3 MPH	23-32	76.0%

1,200' N/o Helix Street	(2021)	35.7 MPH	27-36	81.0%
Speed Zone	(2021)	35.0 MPH	27-36	79.8%

#### **Collision Data**

There have been 18 reported collisions along this segment of roadway, 3 of which involved injury, in a 5 year period (06-01-2016 to 04-30-2021). These collisions result in a segment accident rate of 3.69 collisions per million vehicle miles. The statewide average is 1.6 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.



JEFF MONEDA

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

## COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: August 19, 2021

Item Title: Speed Limit and Radar Certification

Location: Montemar Drive and Austin Drive from Helix Street to

Barcelona Street

CTE Recommendation: Establish 30 MPH Radar Enforced Speed Limit 3,40

#### Conditions:

- Section 22358 of the California Vehicle Code authorizes a local agency to determine upon the basis of an Engineering and Traffic Survey (E&TS) that the speed limit of 65 miles per hour (mph) is more than is reasonable or safe, the agency may declare a prima facie speed limit of 60, 55, 50, 45, 40, 35, 30, or 25 mph, whichever is found most appropriate and is reasonable and safe.
- Section 2B.13 "Speed Limit Sign (R2-1)" of the California MUTCD, provides that an E&TS shall include a) prevailing speeds, b) collision records, and c) highway, traffic and roadside conditions that are not apparent to a driver.
- The California Manual on Uniform Traffic Control Devices stipulates that speed limits are usually set at the 5 mph increment above or below the prevailing (85<sup>th</sup> percentile) speed of motorists.
- Montemar Drive and Austin Dive are two-lane roadways with mostly unimproved and limited shoulders. Throughout the entire length of these two roads of 1.12 miles, the pavement width varies between 24 feet and 50 feet with a striped center line.
- Recent speed surveys on Montemar Drive and Austin Drive taken on June 14, 2021, at 4 locations within the subject segment Montemar Drive and Austin Drive resulted in an overall prevailing speed of 35.0 mph, which could support a speed limit of 30 mph using radar for speed enforcement.

- A review of the roadway collision data for the most recent five-year period (June 2016 to April 2021) shows a total of 18 reported collisions on the subject section of Montemar Drive and Austin Drive which results in a collision rate of 3.69 collisions per million-vehicle-mile (c/mvm) compared to a state average of 1.6 c/mvm for similar roadway.
- Pursuant to CVC section 22358 coupled with above noted collision history on Valley Center Road and the guidance of the CA MUTCD section 2B.13, a 30 mph radar enforced speed limit on Montemar Drive and Austin Drive between Helix Street and Barcelona Street is reasonable and safe.

#### **VOLUME**

### Austin Dr & Highlands Blvd

Day: Thursday Date: 5/20/2021

City: Spring Valley
Project #: CA21\_040084\_003

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# 2-E. Intersection Control Austin Drive & Montemar Drive



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>2-E</u>

SUPERVISORIAL DISTRICT: 2

SUBJECT: Intersection Control

**LOCATION:** Austin Drive & Montemar Drive, SPRING VALLEY

(Thos. Bros. 1271-C7)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** All-Way Stop Control

#### PROBLEM AS STATED BY REQUESTER:

The intersection of Austin Drive and Montemar Drive has been identified by Traffic Engineering as meeting Option D, an intersection of two residential collectors of similar design and the all way stop would enhance the traffic operations of said intersection, of the Multi-Way Stop Application optional criteria as described in the California Manual on Uniform Traffic Control Devices (CA MUTCD), Section 2B.07, therefore an all-way stop control should be considered.

#### **Existing Traffic Devices**

Austin Drive is a striped two-lane through highway with a 24-foot travelled way and roadbed. The roadway is striped with a no passing centerline and white edgeline. The roadway is unclassified on the County General Plan Mobility Element Network. The roadway is stop controlled in the east bound direction at Montemar Drive. The roadway is posted 40 MPH radar enforced east of the intersection. Austin Drive is unposted west of the intersection.

Montemar Drive is a two-lane through highway. The road runs north/south and has a 24-foot travelled way on a 36-foot roadbed. Montemar Drive is striped with a no passing centerline. The roadway is unclassified on the County General Plan Mobility Element Network. The roadway has no posted speed limit.

Average Daily Traffic Volumes	<u>04/21</u>
A ti Di	

Austin Drive:

E/o Montemar Drive 1,032 WB W/o Montemar Drive 376 EB

Montemar Drive:

S/o Austin Drive 729 NB

#### **Collision Data**

There have been 0 reported collisions at this intersection, within a past 5-year period (03-

01-2016 to 02-28-2021).

2

Item 2-E



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

## **COUNTY TRAFFIC ENGINEER RECOMMENDATION**

Date: August 26, 2021

Item Title: All-Way Stop Controls

Location: Austin Drive and Montemar Drive Intersection

Recommendation: Install All-Way Stop Controls 340

Conditions:

- Section 21354 "Stop Signs on Local Highways" of the California Vehicle Code (CVC) authorizes local agencies to designate any intersection under its exclusive jurisdiction as a stop intersection.
- Section 2B.07 "Multi-Way Stop Applications" of the California MUTCD, provides four optional criteria that may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Section 2B.07 Option D, Intersection of two Residential Collectors, indicates allway stop controls may be considered at an intersection of two residential collectors of similar design and the all-way stop control would enhance the traffic operations of said intersection. Both Austin Drive and Montemar Drive are considered Residential Collectors with similar traffic operation.
- Existing corner sight distance for Austin Drive eastbound approach is 320 feet looking south as measured in the field, whereas the required corner sight distance per County Public Road Standards is greater than 400 feet based on a design speed of 40 mph for residential collector class.
- The subject intersection of Austin Drive and Montemar Dive is a T-Intersection configuration and for a better traffic operation and safety, the stem of the intersection should be the stop control due to the turning low speed and the potential conflict between the right turn motorists with pedestrian. Due to the

- approach traffic volumes and intersection configuration, an all-way stop control is more appropriate for the intersection.
- Pursuant to CVC section 21354 coupled with traffic conditions noted above, it is my recommendation that an All-Way Stop Control is appropriate and safe for the intersection of Austin Drive and Montemar Drive.

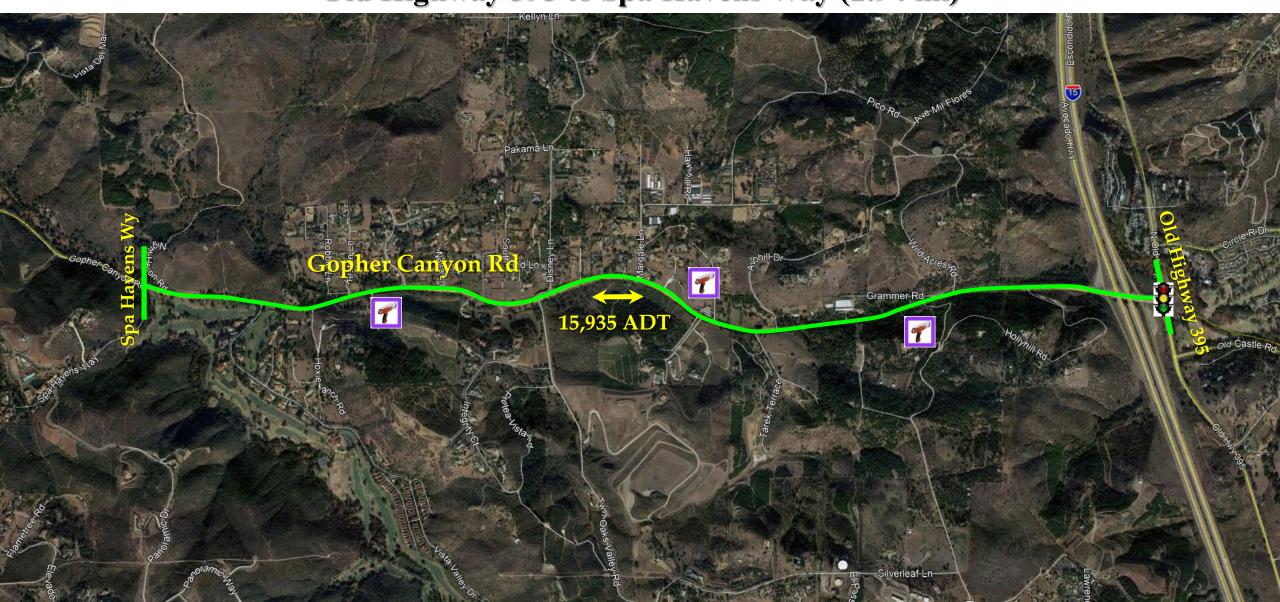
#### **VOLUME**

#### Montemar Dr & Austin Dr

Day: Thursday Date: 4/1/2021 City: Spring Valley
Project #: CA21\_040053\_007

	D	AILY TO	TAIS			NB		SB		EB		WB						To	otal
		~ILI 10	JIALJ			729		0		376		1,032						2,1	137
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00:15 00:30	1 2			1 0		2 1		4 3		12:15 12:30	9 8			9 3		12 17		30 28	
00:45	2	5		0	1	2	6	4	12	12:45	9	34		5	21	14	66	28	121
01:00	1			0		2		3		13:00	9			9		10		28	
01:15	2			1		2		5		13:15	19			7		19		45	
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04:45	0	6		1	3	2	6	3	15	16:45	25	63		11	43	19	89	55	195
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11:45	12	56		5	24	9	70	26	150	23:45	1	11		1	4	1	5	3	20
TOTALS		276			105		329		710	TOTALS		453			271		703		1427
SPLIT %		38.9%			14.8%		46.3%		33.2%	SPLIT %		31.7%			19.0%		49.3%		66.8%
	ъ.	AII V TC	TALS -			NB		SB		EB		WB						To	otal
	D	AILY TO	JIALS			729		0		376		1,032						2,1	137
AM Peak Hour		10:45			11:00		10:45		10:45	PM Peak Hour		16:45			16:00		17:15		16:45
AM Pk Volume		58			24		76		155	PM Pk Volume		74			43		116		213
Pk Hr Factor		0.630			0.750		0.704		0.705	Pk Hr Factor		0.740			0.768		0.879		0.772
7 - 9 Volume		94	0		34		91		219	4 - 6 Volume		121		0	82		191		394
7 - 9 Peak Hour		07:15			07:30		07:30		07:30	4 - 6 Peak Hour		16:45			16:00		17:00		16:45
7 - 9 Pk Volume		54			23		61		137	4 - 6 Pk Volume		74			43		102		213
Pk Hr Factor		0.844	0.000		0.821		0.635		0.729	Pk Hr Factor		0.740	(	0.000	0.768		0.797		0.772

## 5-A. Radar Certification Gopher Canyon Road Old Highway 395 to Spa Havens Way (2.94 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>5-A</u>

**SUPERVISORIAL DISTRICT**: 5

**SUBJECT:** Radar Certification

**LOCATION:** Gopher Canyon Road from Old Highway 395 to Spa

Havens Way (a distance of 2.94 miles) BONSALL

(Thos. Bros. 1068-J6)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Gopher Canyon Road from Old Highway 395 to Spa Havens Way is currently posted 50 MPH. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 50 MPH speed.

#### **Existing Traffic Devices**

Gopher Canyon Road is a striped two-lane through highway with a 24 to 48 foot travelled way on a 28 to 82 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is a 7 ton weight restricted road. There are intersection, slow trucks, slide area, and grade advisory warning signs along the roadway. Gopher Canyon Road is classified as a Major Road on the County General Plan Mobility Element Network. It is currently posted 50 MPH.

Average Daily Traffic Volumes	<u>05/21</u>
Gopher Canyon Road:	
80' W/o Margale Lane	15,935

Speed Data Gopher Canyon Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
500' W/o Wild Acres Road	(2021)	51.5 MPH	44-53	83.0%
250' E/o Reza Court	(2021)	56.5 MPH	47-56	75.0%
500' W/o Robbie Lane	(2021)	53.8 MPH	45-54	83.0%
Speed Zone	(2021)	53.9 MPH	45-54	80.3%

#### **Collision Data**

There have been 42 reported collisions along this segment of roadway, 14 of which

involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 0.82 collisions per million vehicle miles. The statewide average is 1.19 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than or equal to 55 MPH.

#### **VOLUME**

## Gopher Canyon Rd 80' W/O Margale Ln

Day: Thursday Date: 5/27/2021

**City:** Bonsall **Project #:** CA21\_040084\_008

DAILY TOTALS NB SB						SB		EB	WB						To	otal
	DAILT TOTALS			0		0		8,105	7,830						15,	,935
AM Period	NB SB	EB		WB		TO	TAL	PM Period	NB	SB	EB		WB		то	TAL
00:00		8		11		19		12:00			95		83		178	
00:15		5		8		13		12:15			90		86		176	
00:30 00:45		11 5	29	13 9	41	24 14	70	12:30 12:45			105 109	399	84 107	360	189 216	759
01:00		8	23	8	41	16	70	13:00			103	333	82	300	183	739
01:15		9		8		17		13:15			104		111		215	
01:30		3		5		8		13:30			116		104		220	
01:45 02:00		<u>2</u> 4	22	<u>3</u>	24	<u>5</u>	46	13:45 14:00			123 136	444	108 89	405	231	849
02:00		2		2		4		14:15			160		117		277	
02:30		3		3		6		14:30			168		134		302	
02:45		7	16	2	8	9	24	14:45			160	624	141	481	301	1105
03:00		3		6		9		15:00 15:15			198		162		360	
03:15 03:30		6 10		6 3		12 13		15:30			204 223		140 172		344 395	
03:45		14	33	9	24	23	57	15:45			215	840	142	616	357	1456
04:00		12		9		21		16:00			192		168		360	
04:15		20		13		33		16:15			175		158		333	
04:30 04:45		26 30	00	27 25	74	53 55	162	16:30 16:45			180 157	704	175 175	676	355 332	1200
05:00		34	88	33	74	67	162	17:00			198	704	178	676	376	1380
05:15		52		44		96		17:15			198		189		387	
05:30		59		69		128		17:30			189		193		382	
05:45		88	233	77	223	165	456	17:45			159	744	203	763	362	1507
06:00 06:15		91 93		82 114		173 207		18:00 18:15			139 137		134 143		273 280	
06:30		118		146		264		18:30			104		115		219	
06:45		125	427	142	484	267	911	18:45			98	478	82	474	180	952
07:00		116		139		255		19:00			86		68		154	
07:15		119		195		314		19:15			92		68		160	
07:30 07:45		155 104	494	202 186	722	357 290	1216	19:30 19:45			73 81	332	75 73	284	148 154	616
08:00		140	434	142	122	282	1210	20:00			73	332	53	204	126	010
08:15		104		127		231		20:15			63		59		122	
08:30		99		110		209		20:30			55		54	•••	109	
08:45 09:00		138 81	481	110 79	489	248 160	970	20:45 21:00			65 48	256	39 37	205	104 85	461
09:00		75		107		182		21:15			38		53		91	
09:30		115		118		233		21:30			53		59		112	
09:45		104	375	109	413	213	788	21:45			33	172	40	189	73	361
10:00		107		94		201		22:00			41		36		77	
10:15 10:30		83 91		94 69		177 160		22:15 22:30			39 24		29 27		68 51	
10:45		86	367	83	340	169	707	22:45			10	114	25	117	35	231
11:00		68		88		156		23:00			24		17		41	
11:15		93		83		176		23:15			26		17		43	
11:30 11:45		95 103	359	87 94	352	182 197	711	23:30 23:45			12 12	74	20 12	66	32 24	140
TOTALS		103	2924	34	3194	157	6118	TOTALS			12	5181	12	4636	24	9817
SPLIT %			47.8%		52.2%		38.4%					52.8%		47.2%		61.6%
	DAILY TOTALS			NB 0		SB 0		EB 8,105	WB 7,830							otal ,935
						-0		- 0,103	7,630							
AM Peak Hour			07:15		07:15		07:15	PM Peak Hour				15:00		17:00		17:00
AM Pk Volume			518		725		1243	PM Pk Volume				840		763		1507
Pk Hr Factor	0 0		0.835 975		0.897 1211		0.870	Pk Hr Factor		_		0.942 1448		0.940		0.974 2887
7 - 9 Volume 7 - 9 Peak Hour			975 07:15		07:15		2186 07:15	4 - 6 Volume 4 - 6 Peak Hour				17:00		1439 17:00		2887 17:00
7 - 9 Peak Hour 7 - 9 Pk Volume			518		725		1243	4 - 6 Pk Volume				744		763		1507
Pk Hr Factor			0.835		0.897		0.870	Pk Hr Factor				0.939		0.940		0.974



N. C.	BCCC11			SA	N DIEGO	COUN	NIT DEP	OFP	OBLIC W	OKKS	•			
Road Na	me:	Gopher	Canyo	on Rd	From:	Old Hig	hway 395			То:	Spa	Havens	Way	
Position	:	500' W/d	o Wild	d Acres	Rd					Directi	on: EB/\	WB		
Date:		5/26/202	21		Weathe	r:	Clea	r		Project	t Number:	21-	040085-0	11
Time Sta	art:	11:15 AN	VI		Road Co	ondition:	: Dry		(	Observ	/er:	Cor	itractor	
Time En		1:15 PM			Posted :	Speed:	50 N	1PH	(	Calibra	tion Test:	Υ		
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Total	433		95	5th Per	centile		53.5							



The state of the s	Decell of													
Road Na	ame:	Gopher	Canyo	on Rd	From:	Old Hig	hway 395			То:	S	pa Haven	s Way	
Position	:	250' E/o	Reza	Court						Directio	n: E	B/WB		
Date:		5/26/20	21		Weath	er:	Clea	r		Project	Numb	<b>er:</b> 21	L-040085-0	15
Time Sta	art:	1:30 PM			Road C	Condition	: Dry			Observe	er:	Co	ontractor	
Time En	d:	3:30 PM			Posted	Speed:	50 N	1PH		Calibrat	ion Te	st: Y		
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i Otal	004	L .	<u> </u>											



	Decest.	SAN DIEGO COUNTY DEPT OF PUBLIC WORKS												
Road Na	me:	Gopher (	Canyo	n Rd	From:	Old Hig	ghway 395	5		То:	Spa H	avens W	'ay	
Position	:	500' W/d	o Rob	bie Ln						Direction:	EB/W	В		
Date:		5/26/202	21		Weathe	r:	Cle	ar		Project Nu	ımber:	21-04	10085-01	.2
Time Sta	rt:	1:30 PM			Road Co	ndition	: Dry	,		Observer:		Cont	ractor	
Time En	d:	3:30 PM			Posted S	Speed:	50	MPH		Calibratio	n Test:	Υ		
Speed (mph)	Num. Veh.	Cum. Pct.			•			Nun	nber of V	ehicles				
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45	20	7.2%	ve	40%						/				
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48	44	29.9%	Cumula	30%						/ /				
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52	53	69.9%		0%	+				-					
53 54	41 43	78.0% 86.6%			0	10	20	30	40	50	6	0	70	80
55	19	90.4%							Speed (n	nph)				-
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59	9	98.4%		<u></u>	90th Perc	entile		<u> </u>	5th Perce	ntile				
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61 62	3	99.6% 100.0%	_		<u>,</u>				1			• •		
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64 65			50	th Perc	entile		50.0		10 r	nph Pace		45	- 54	
66									+					
67			85	th Perc	entile		53.8		ivumi	ber in Pace		4	18	
68 69			90	th Perc	entile		54.9		Perce	ent in Pace		8	3%	
70			0.5	oth Perc	entile		57.3							
Total	501		93	ינוו רבונ	enule		37.3							

5-B. Radar Certification Gopher Canyon Road Spa Havens Way to East Vista Way (1.85 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>5-B</u>

**SUPERVISORIAL DISTRICT**: 5

**SUBJECT:** Radar Certification

**LOCATION:** Gopher Canyon Road from Spa Havens Way to East

Vista Way (a distance of 1.85 miles) BONSALL (Thos.

Bros. 1068-C6)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Gopher Canyon Road from Old Highway 395 to Spa Havens Way is currently posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 45 MPH speed.

#### **Existing Traffic Devices**

Gopher Canyon Road is a striped two-lane through highway with a 24 foot travelled way on a 28 to 82 foot road bed. The roadway is striped with a no passing centerline and white edgeline. The roadway is a 7 ton weight restricted road. There are curve, intersection, slide area, and turn advisory warning signs along the roadway. Gopher Canyon Road is classified as a Major Road on the County General Plan Mobility Element Network. It is currently posted 45 MPH Radar Enforced.

Average Daily Traffic Volumes Gopher Canyon Road:		<u>05/21</u>	<u>05/13</u>	
500' W/o Little Gopher Canyon Roa	ad	15,835	14,990	
Speed Data Gopher Canyon Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
•	(2021)	52.1 MPH	44-53	73.0%
•	(2021) (2013)	48.2 MPH 48.3 MPH	40-49 40-49	75.0% 79.9%
Speed Zone	(2021)	50.2 MPH	42-51	74.0%

## **Collision** Data

There have been 43 reported collisions along this segment of roadway, 19 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in

a segment accident rate of 1.34 collisions per million vehicle miles. The statewide average is 1.19 collisions per million vehicle miles for similar rolling rural conventional 2 lanes or less with speeds less than or equal to 55 MPH.

#### Prepared by National Data & Surveying Services

#### **VOLUME**

## Gopher Canyon Rd 500' W/O Little Gopher Canyon Rd

Day: Thursday Date: 5/27/2021

**City:** Bonsall **Project #:** CA21\_040084\_009

	DAILY TOT	ΔΙς			NB		SB		EB	WB						To	otal
	DAILT 101	AL3			0		0		8,087	7,748						15,	,835
AM Period	NB SE	3	ЕВ		WB		ТО	TAL	PM Period	NB	SB	EB		WB		ТО	TAL
00:00			7		15		22		12:00 12:15			97		96		193	
00:15 00:30			7 7		9 11		16 18		12:15			102 99		107 72		209 171	
00:45			3	24	9	44	12	68	12:45			121	419	106	381	227	800
01:00			8		7		15		13:00			99		91		190	
01:15			6		10		16		13:15			124		113		237	
01:30 01:45			4 2	20	4 5	26	8 7	46	13:30 13:45			115 126	464	97 107	408	212 233	872
02:00			3	20	0	20	3	40	14:00			133	404	100	400	233	072
02:15			2		1		3		14:15			173		109		282	
02:30			2		3		5	20	14:30			145	626	128	467	273	4400
02:45 03:00			7	14	6	6	9	20	14:45 15:00			185 191	636	130 160	467	315 351	1103
03:15			5		7		12		15:15			212		147		359	
03:30			10		6		16		15:30			213		149		362	
03:45			12	30	8	27	20	57	15:45			206	822	134	590	340	1412
04:00 04:15			16 18		8 14		24 32		16:00 16:15			177 186		158 168		335 354	
04:30			26		22		48		16:30			186		168		354	
04:45			30	90	24	68	54	158	16:45			173	722	148	642	321	1364
05:00			39		31		70		17:00			191		173		364	
05:15 05:30			47 76		42 55		89 131		17:15 17:30			198 194		168 195		366 389	
05:30			76 89	251	55 78	206	167	457	17:45			145	728	170	706	315	1434
06:00			82		75	200	157	137	18:00			155	720	145	700	300	1131
06:15			115		99		214		18:15			132		141		273	
06:30			97	445	142	470	239	005	18:30			90	474	124	<b>507</b>	214	070
06:45 07:00			121 102	415	154 133	470	275 235	885	18:45 19:00			94 82	471	97 62	507	191 144	978
07:15			123		179		302		19:15			86		73		159	
07:30			139		181		320		19:30			78		88		166	
07:45			135	499	189	682	324	1181	19:45			86	332	68	291	154	623
08:00 08:15			133 96		143 134		276 230		20:00 20:15			60 58		57 59		117 117	
08:30			101		117		218		20:30			55		66		121	
08:45			122	452	115	509	237	961	20:45			67	240	34	216	101	456
09:00			82		87		169		21:00			45		34		79	
09:15			91		95		186		21:15 21:30			45		59		104	
09:30 09:45			101 108	382	105 112	399	206 220	781	21:45			41 44	175	60 46	199	101 90	374
10:00			111	302	100	333	211	701	22:00			45	173	25	133	70	374
10:15			71		100		171		22:15			35		34		69	
10:30			105	265	76	262	181	720	22:30			18	447	29	400	47	226
10:45 11:00			78 75	365	87 89	363	165 164	728	22:45 23:00			19 22	117	21 21	109	40	226
11:15			81		82		163		23:15			19		17		36	
11:30		:	112		98		210		23:30			13		20		33	
11:45			84	352	91	360	175	712	23:45			13	67	14	72	27	139
TOTALS				2894		3160		6054	TOTALS				5193		4588		9781
SPLIT %				47.8%		52.2%		38.2%	SPLIT %				53.1%		46.9%		61.8%
					NB		SB		EB	WB						To	otal
	DAILY TOT	ALS			0		<u>зв</u> 0										,835
					U		U		8,087	7,748						13,	၀၁၁
AM Peak Hour				07:15		07:15		07:15	PM Peak Hour				15:00		17:00		16:45
AM Pk Volume				530		692		1222	PM Pk Volume				822		706		1440
Pk Hr Factor				0.953		0.915		0.943	Pk Hr Factor				0.965		0.905		0.925
7 - 9 Volume				951		1191		2142	4 - 6 Volume				1450		1348		2798
7 - 9 Peak Hour				07:15		07:15		07:15	4 - 6 Peak Hour				16:45		17:00		16:45
7 - 9 Pk Volume				530		692		1222	4 - 6 Pk Volume				756		706		1440
Pk Hr Factor	0.000	0.000		0.953		0.915		0.943	Pk Hr Factor	0.000	0.000		0.955		0.905		0.925



70

Total

611

95th Percentile

# RADAR SPEED SURVEY SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

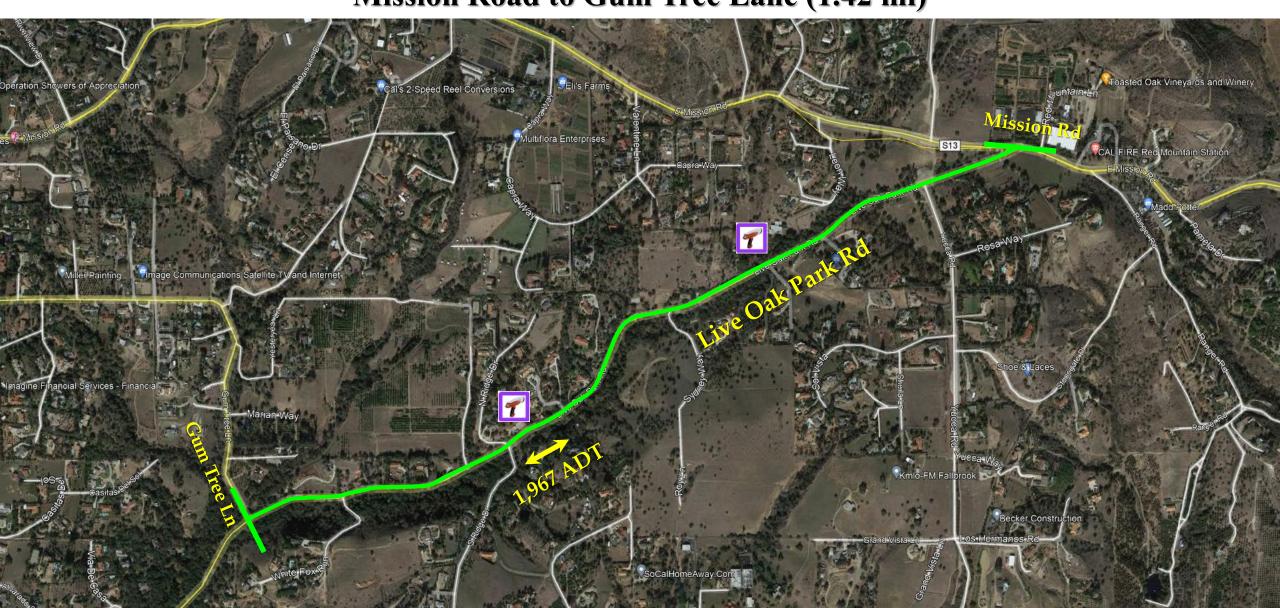
N. A. C.	Docci			SA	N DIEGO	COUN	TY DEPT	OF PU	JBLIC WO	ORKS				
Road Na	ame:	Gopher	Canyo	on Rd	From:	Spa Have	ens Way		Т	0:	East V	ista Wa	у	
Position	ı:	1,000' E	/o Ru	stic Car	iyon Rd				D	irection:	EB/WI	В		
					_									
Date:		5/26/20	21		Weathe	r:	Clear		P	roject Nu	mber:	21-04	40085-01	.3
Time Sta	art:	11:15 AI	M		Road Co	ndition:	Dry		o	bserver:		Cont	ractor	
Time En		1:15 PM	1		Posted 9	Speed:	45 MI	PH	С	alibration	Test:	Υ		
Speed (mph)	Num. Veh.	Cum. Pct.						Num	ber of Veh	icles				
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18 19				20										
20				25	3									
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22 23			h (h	35	<u>_</u>									
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38	1	1.6%		90%										
39 40	5 15	2.5% 4.9%		80%										
41	20	8.2%	<u> </u>	70%	_									
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44	43	23.9%	Per	50%										
45	33	29.3%	Ve	40%										
46	46 56	46.0%	lati											
48	41	52.7%	Cumulative Percent	30%	1					/				
49 50	59 50	62.4% 70.5%	5	20%	1					<b>7</b>				
51	50	78.7%		10%										
52	34	84.3%	]	0%	+	<del>-</del>		_				_		$\overline{}$
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55	17	96.4%						9	Speed (mp	h)				
56 57	6 3	97.4% 97.9%		_	Data Plot		_	<u> </u>	th Percenti	le		—85th	Percentil	e
58	5	98.7%			90th Perc	entile	_	Q51	th Percenti	le				
59	4	99.3%			טנוו דפונ	CITUIC		- 331	an i ercenti	10				
60 61	3	99.8%	-					DATA	<b>ANALYSIS</b>					
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63 64											-			
65		<u>L</u> _	50	Oth Per	centile		47.6		10 mp	h Pace	<u></u>	44	- 53	
66			8!	5th Per	centile		52.1		Numbe	r in Pace			145	
67 68			-											
69			90	Oth Per	centile		53.1		Percent	t in Pace		7	'3%	
70	•					-					•			

54.5



A PARTY OF THE PAR	DCCC11													
Road Na	me:	Gopher (	Canyo	on Rd	From:	Spa Have	ens Way		То	:	East Vis	sta Way		
Position	:	1,540' E/	o Fai	rview D	r				Di	rection:	EB/WB			
									_					
Date:		5/26/202	21		Weathe	r:	Clear		Pr	oject Nun	nber:	21-040	085-01	4
Time Sta	art:	9:00 AM			Road Co	ndition:	Dry		Ol	server:		Contra	ctor	
Time En	d:	11:00 AN	M		Posted S	Speed:	45 M	PH	Ca	libration	Test:	Υ		
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18 19				20										
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34	7	2.7%		70	3									
35	3	3.2%		70										
36 37	7 8	4.5% 5.9%		100%	1								_	
38	19	9.3%		90%										
39 40	25 31	13.8% 19.3%		80%										
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42	61	37.1%	cen	60%						/				
43 44	48 50	45.7% 54.6%	Cumulative Percent	50%						/				
45	53	64.1%	vel											
46 47	42 35	71.6% 77.9%	lati	40%										
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55	2	99.5%						5	Speed (mph	1)				
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58					90th Perc		_		th Percentil					
59					Jour Fell	CHUIC		- 331	ar i ercentii					
60 61								DATA	ANALYSIS					
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63 64											1			
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66 67			85	5th Pero	centile		48.2		Number	in Pace		42	.2	
68			90	Oth Pero	centile		49.3		Percent	in Pace		75	%	
69 70														
Total	560		95	5th Pero	entile		50.9							

# 5-C. Radar Certification Live Oak Park Road Mission Road to Gum Tree Lane (1.42 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>5-C</u>

**SUPERVISORIAL DISTRICT:** 5

**SUBJECT:** Radar Certification

**LOCATION:** Live Oak Park Road from Mission Road to Gum Tree

Lane (a distance of 1.42 miles) FALLBROOK (Thos.

Bros. 1028-E1)

INITIATED BY: DPW Traffic Engineering

**REQUEST:** Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Live Oak Park Road from Mission Road to Gum Tree Lane is currently posted 40 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 40 MPH speed.

#### **Existing Traffic Devices**

Live Oak Park Road is a striped two-lane local roadway with a 24 foot travelled way on a 24 foot road bed. The roadway is striped with a no passing centerline. There are height, school bus stop, slide area, and turn advisory warning signs along the roadway. Live Oak Park Road is unclassified on the County General Plan Mobility Element Network. It is currently posted 40 MPH Radar Enforced.

Average Daily Traffic Volumes Live Oak Park Road:		<u>05/21</u>	<u>12/12</u>	
100' N/o Ridge Drive		1,967	2,590	
Speed Data Live Oak Park Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
1,500' S/o Yucca Road	(2021)	46.8 MPH	38-47	71.0%
100' N/o Ridge Drive	(2021) (2012)	43.8 MPH 42.0 MPH	35-44 32-41	72.0% 70.4%
Speed Zone	(2021)	45.3 MPH	37-46	71.5%

#### Collision Data

There have been 10 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 3.28 collisions per million vehicle miles. The statewide average

is 1.60 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

#### **VOLUME**

## Live Oak Park Rd 100' N/O Ridge Dr

City: Fallbrook
Project #: CA21\_040084\_016

Day: Thursday
Date: 5/27/2021

	DA	AILY 1	ГОТА	LS		NB 1,029		SB 938		EB 0		WB 0								tal 967
AM Period	NB		SB		EB	WB			TAL	PM Period	NB		SB		ЕВ		WB			TAL
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00:15	2		0					2		12:15 12:30	13		11						24	
00:30 00:45	1 0	6	0 0	2				1 0	8	12:45	18 12	60	18 23	72					36 35	132
01:00	0		0					0		13:00	25		15						40	
01:15 01:30	0 0		0 0					0		13:15 13:30	25 10		14 20						39 30	
01:45	0		0					0		13:45	10	70	30	79					40	149
02:00	0		0					0		14:00 14:15	11		20						31	
02:15 02:30	0 3		1 0					1 3		14:15	30 22		21 16						51 38	
02:45	0	3	0	1				0	4	14:45	21	84	14	71					35	155
03:00 03:15	2 0		0 0					2		15:00 15:15	19 20		17 21						36 41	
03:30	1		0					1		15:30	22		18						40	
03:45 04:00	1	4	0					1	4	15:45 16:00	19 21	80	25 16	81				_	44 37	161
04:00	5		0					5		16:15	29		22						51	
04:30	5		2	_				7		16:30	28		14						42	
04:45 05:00	<u>1</u>	12	0	2				6	14	16:45 17:00	21 17	99	14 19	66					35 36	165
05:15	7		3					10		17:15	18		11						29	
05:30	10 7	20	2 7	12				12	42	17:30 17:45	10 9	F.4	16	<b>C2</b>					26 25	110
05:45 06:00	12	30	8	12				14 20	42	18:00	9	54	16 16	62					25	116
06:15	13		5					18		18:15	12		9						21	
06:30 06:45	13 15	53	10 23	46				23 38	99	18:30 18:45	8 7	36	13 13	51					21 20	87
07:00	18	33	15	-10				33	33	19:00	8	30	11	- 51					19	- 07
07:15 07:30	19 21		29 24					48 45		19:15 19:30	7 9		7 5						14 14	
07:45	20	78	25	93				45	171	19:45	8	32	5 7	30					15	62
08:00	16		17					33		20:00	8		8						16	
08:15 08:30	31 15		13 18					44 33		20:15 20:30	11 6		2 11						13 17	
08:45	15	77	16	64				31	141	20:45	5	30	2	23					7	53
09:00 09:15	15 13		12 9					27 22		21:00 21:15	7 2		5 5						12 7	
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11:30	15 16	66	17 15	E <i>C</i>				32 31	122	23:30 23:45	1	2	0	1					1 2	7
11:45 TOTALS	16	66 458	15	56 365				31	122 <b>823</b>	TOTALS	2	3 571	0	573						7 <b>1144</b>
SPLIT %		55.7%		44.3%					41.8%	SPLIT %		49.9%		50.1%						58.2%
						AID.		C.D.		- FD		\A/D							-	
	D/	AILY 1	ГОТА	LS		NB 1,029		SB 938		EB		WB 0								tal 967
		07.00		07.15					07.05					42.22						
AM Peak Hour AM Pk Volume		07:30 88		07:15 95					07:00 171	PM Peak Hour PM Pk Volume		16:00 99		13:30 91						15:45 174
Pk Hr Factor		0.710		0.819					0.891	Pk Hr Factor		0.853		0.758						0.853
7 - 9 Volume		155		157		0	0		312	4 - 6 Volume		153		128		0		0		281
7 - 9 Peak Hour 7 - 9 Pk Volume		07:30 88		07:15 95					07:00	4 - 6 Peak Hour 4 - 6 Pk Volume		16:00 99		16:15 69						16:00 165
Pk Hr Factor		88 0.710		95 0.819					171 0.891	Pk Hr Factor		0.853		0.784						0.809

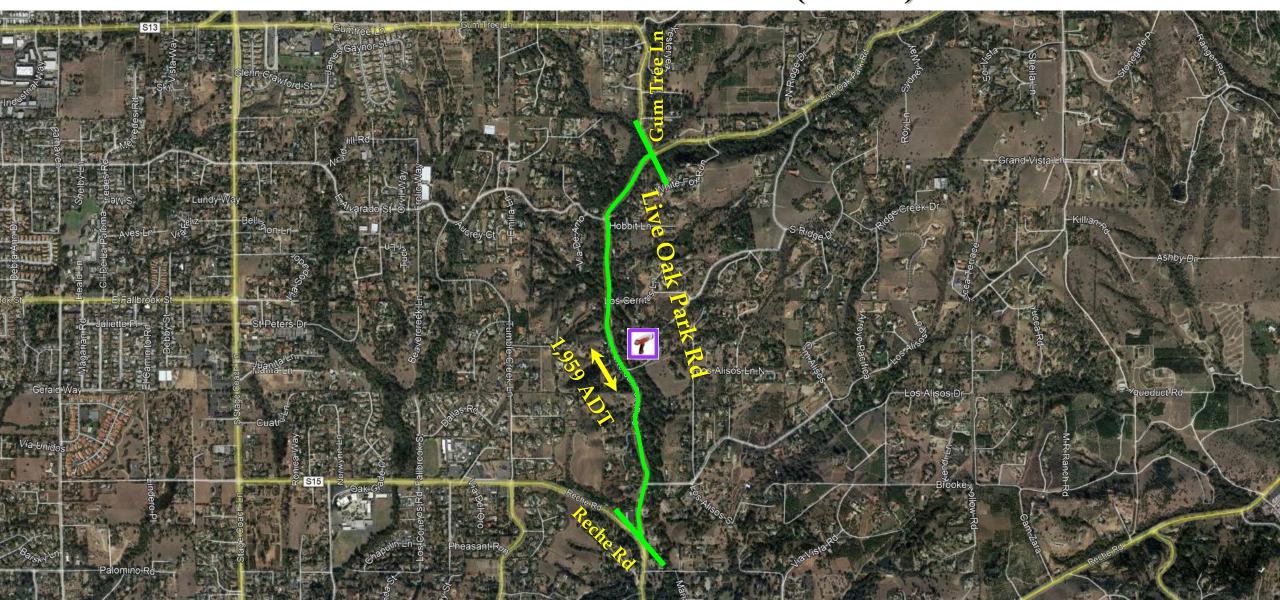


A A A A A A A A A A A A A A A A A A A	Dcccli 8																
Road Name: Live		Live Oak Park Rd From: Mission Rd							-	To: Gum Tree Ln							
Position	Position:		1500' S/o Yucca Rd								Direction: NB/SB						
									•								
<b>Date:</b> 5/26/20		5/26/202	21		Weather: Clear			r	I	Project Nun	nber:	21-040085-024					
Time Start:		11:20 AN	11:20 AM			Road Condition: Dry			(	Observer:		Contractor					
Time En	Time End:		11:00 AM			Posted Speed: 40 MPH			Calibration Test: Y								
Speed (mph)					•			Num	ber of Ve	hicles							
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64											+						
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66 67			85	5th Pero	entile		46.8		Numbe	er in Pace		1	45				
68			91	Oth Perc	entile		47.9		Percer	nt in Pace		7	1%				
69 70									1 01001	it iii i üce	1	7.					
Total	203		95	5th Pero	entile		50.0										



	Pecci														
Road Name: Live (		Live Oak	Park	Rd	From:	Mission	To: Gum Tree Ln								
Position	ı <b>:</b>	100' N/c	Ridg	e Dr			Direction: NB/SB								
<b>Date:</b> 5/26/20		5/26/20	21		Weathe	r:	Clear	•		Proje	ct Numb	er:	21-040	085-022	
Time Start:		9:15 AM			Road Condition: Dry				Observer: Cont				Contra	ctor	
			11:15 AM			Posted Speed: 40			40 MPH Ca			Calibration Test: Y			
Speed (mph)	Num. Cum. Veh. Pct.				Number of Vehicles										
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34	6	13.8%	Ì	70	∄										
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56 57					Data Plot			—— 50t	h Perce	ntile			85th Pe	rcentile	
58					90th Perc	entile		95t	:h Perce	ntile					
59				•											
60 61								DATA	ANALYS	SIS					
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63 64	1														
65			50	Oth Pero	centile		38.5		10	mph Pa	ace		35 -	44	
66 67			85	5th Pero	entile		43.8		Num	ber in	Pace		13	1	
68			9(	Oth Pero	entile		45.5		Perc	ent in I	Pace		729	%	
69 70	-										300		, , ,		
Total	181		95	5th Pero	entile		47.7								

# 5-D. Radar Certification Live Oak Park Road Gum Tree Lane to Reche Road (1.16 mi)



#### SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: September 10, 2021 Item <u>5-D</u>

**SUPERVISORIAL DISTRICT**: 5

**SUBJECT:** Radar Certification

**LOCATION:** Live Oak Park Road from Gum Tree Lane to Reche

Road (a distance of 1.16 miles) FALLBROOK (Thos.

Bros. 1028-B2)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

#### PROBLEM AS STATED BY REQUESTER:

Live Oak Park Road from Gum Tree Lane Reche Road is currently posted 35 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar certification of the existing 35 MPH speed.

#### **Existing Traffic Devices**

Live Oak Park Road is a striped two-lane local roadway with a 24 foot travelled way on a 24 foot road bed. The roadway is striped with a no passing centerline. There are height, school bus stop, slide area, and turn advisory warning signs along the roadway. Live Oak Park Road is unclassified on the County General Plan Mobility Element Network. It is currently posted 35 MPH Radar Enforced.

Average Daily Traffic Volumes		<u>05/21</u>	<u>12/12</u>	
Live Oak Park Road: 860' S/o Los Cerritos Lane		1.959	1.900	
		,	,	
Speed Data Live Oak Park Road:		85th <u>Percentile</u>	10 MPH <u>Pace</u>	% in <u>Pace</u>
860' S/o Los Cerritos Lane	(2021)	40.8 MPH	32-41	77.0%
	(2012)	39.0 MPH	28-37	68.3%

# **Collision Data**

There have been 8 reported collisions along this segment of roadway, 3 of which involved injury, in a 3 year period (03-01-2018 to 02-28-2021). These collisions result in a segment accident rate of 3.22 collisions per million vehicle miles. The statewide average is 1.60 collisions per million vehicle miles for similar suburban conventional 2 lanes or less with speeds less than 45 MPH.

#### **VOLUME**

## Live Oak Park Rd 860' S/O Los Cerritos Ln

Day: Thursday Date: 5/27/2021 City: Fallbrook
Project #: CA21\_040084\_017

AM Period NB SB		976	98	33	0		0					1 0	59
AM Period NB SB						0 0				1,959			
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AM Peak Hour 07:30	07:15			07:30	PM Peak Hour		15:30	12:3	0				15:45
AM Pk Volume 87	104			191	PM Pk Volume		108	91					176
Pk Hr Factor 0.906	0.703			0.838	Pk Hr Factor		0.818	0.84	3				0.936
<b>7 - 9 Volume</b> 140	182	0	0	322	4 - 6 Volume		160	131		0	0		291
<b>7 - 9 Peak Hour</b> 07:30	07:15				4 - 6 Peak Hour		16:00	16:0					16:00
7 - 9 Pk Volume 87	104				4 - 6 Pk Volume		99	71					170
Pk Hr Factor 0.906	0.703	0.000	0.000	0.838	Pk Hr Factor		0.750	0.59	2	0.000	0.000		0.904



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Road Name:		Live Oak	Park	Rd	From: Gum Tree Ln						To: Reche Rd					
Position:		860' S/o Los Cerritos Ln								Direction: NB/SB						
Date: 5/27/202		21		Weather: Clear					Project Number: 21-04008					)23		
Time Sta	art:	1:30 PM			Road Co	ndition:	Dry			Obse	rver:		Con	tractor		
Time End: 3:3		3:30 PM	3·30 PM			Speed:	35 N	1PH		Calib	ration <sup>1</sup>	Test:	Υ			
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66			QΓ	85th Percentile 40.8						Number in Page 194						
67			65	our cell	CHUIC	40.8			Number in Pace			184				
68			90	th Pero	entile	ile 42.1			Percent in Pace			77%				
69 70	<del>                                     </del>	<del>                                     </del>														
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