

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

June 3, 2020

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

MEETING NOTICE

Attached is the preliminary agenda for the June 12, 2020, meeting of the Traffic Advisory Committee (TAC).

***** Social distancing is currently mandatory due to the COVID-19 pandemic. This TAC meeting on June 12, 2020, will be conducted with a virtual meeting platform option. Please use this link below to join the meeting: <https://meet.lync.com/sdcountycagov-sdcounty/benjamin.baker/FKT3659J> *****

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:bb

Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**June 12, 2020 ~ 9:00 AM
5510 Overland Ave, Room 271
San Diego CA, 92123**

AGENDA

- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes**
- IV. Items for Review**

SUBJECT		LOCATION	AREA	PLANNING/ SPONSOR GROUP
<u>SUPERVISORIAL DISTRICT 2</u>				
2-A.	RADAR CERTIFICATION	OAK DR	LAKE MORENA	CAMPO / LAKE MORENA
2-B.	RADAR CERTIFICATION	OAK DR	LAKE MORENA	CAMPO / LAKE MORENA
2-C.	TEMPORARY ROAD CLOSURE	CAMINO MONTE SOMBRA	CREST	CREST-DEHESA
2-D.	TEMPORARY ROAD CLOSURE	MAST BL	LAKESIDE	LAKESIDE
2-E.	TEMPORARY ROAD CLOSURE	WHITESTONE RD	SPRING VALLEY	SPRING VALLEY
2-F.	WEIGHT RESTRICTION	HIGHLAND VALLEY RD	RAMONA	RAMONA
<u>SUPERVISORIAL DISTRICT 5</u>				
5-A.	RADAR CERTIFICATION	VALLEY CENTER RD	VALLEY CENTER / RINCON	VALLEY CENTER / PALA-PAUMA
5-B.	WEIGHT RESTRICTION	SANDIA CREEK RD	FALLBROOK	FALLBROOK

2-A. Radar Certification

**Oak Dr from Buckman Springs Rd to 1,200' east of White Goose Rd
(0.79 mi)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item **2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Oak Drive from Buckman Springs Rd to 1,200' E/o White Goose Road (a distance of 0.79 miles) LAKE MORENA (Thos. Bros. 1297-H4)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Oak Drive from Buckman Springs Rd to 1,200' E/o White Goose Road is a 55 MPH unposted speed zone. Preliminary review of prevailing speeds and roadway conditions could support certifying a reduced 50 MPH speed limit for radar enforcement.

Existing Traffic Devices

Oak Drive is a striped two-lane local roadway with a 24-foot travelled way on a 32-foot road bed. The roadway is striped with a no passing centerline. The roadway is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 50 MPH.

Average Daily Traffic Volumes

02/20

Oak Drive:

At Sunfish Way 1,574

Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Oak Drive:

At Sunfish Way (2019) 55.5 MPH 48-57 83.0%

Collision Data

There have been 2 reported collisions along this segment of roadway, 2 of which involved an injury, in a 3 year period (10-01-16 to 09-30-19). These collisions result in a segment accident rate of 1.47 collisions per million vehicle miles. The statewide average is 1.01 collisions per million vehicle miles for similar rural conventional flat 2 lanes or less with speeds less than or equal to 55 mile per hour.

VOLUME

Oak Dr @ Sunfish Way

Day: Thursday
Date: 2/20/2020City: Campo
Project #: CA20_4040_008

DAILY TOTALS					NB	SB	EB					WB	Total	
					0	0	767					807	1,574	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			0	1	1	12:00			5	11	16			
00:15			0	0	0	12:15			8	8	16			
00:30			0	0	0	12:30			8	9	17			
00:45			0	2	2	12:45			6	27	15	64		
01:00			1	0	1	13:00			10	7	17			
01:15			0	0	0	13:15			5	8	13			
01:30			1	0	1	13:30			7	8	15			
01:45			0	2	1	13:45			5	27	14	37	19	64
02:00			1	0	1	14:00			12	10	22			
02:15			0	0	0	14:15			7	14	21			
02:30			2	0	2	14:30			10	18	28			
02:45			1	4	0	14:45			9	38	12	54	21	92
03:00			4	0	4	15:00			3	14	17			
03:15			2	1	3	15:15			8	14	22			
03:30			3	0	3	15:30			7	19	26			
03:45			3	12	0	15:45			11	29	23	70	34	99
04:00			3	0	3	16:00			8	27	35			
04:15			8	0	8	16:15			8	24	32			
04:30			10	0	10	16:30			20	22	42			
04:45			8	29	2	16:45			15	51	22	95	37	146
05:00			18	4	22	17:00			25	21	46			
05:15			12	1	13	17:15			17	26	43			
05:30			18	8	26	17:30			4	23	27			
05:45			26	74	18	17:45			7	53	19	89	26	142
06:00			23	30	53	18:00			4	17	21			
06:15			15	23	38	18:15			6	21	27			
06:30			18	5	23	18:30			3	16	19			
06:45			18	74	5	18:45			5	18	10	64	15	82
07:00			21	6	27	19:00			3	18	21			
07:15			15	8	23	19:15			3	10	13			
07:30			23	10	33	19:30			4	13	17			
07:45			18	77	7	19:45			2	12	11	52	13	64
08:00			15	10	25	20:00			13	5	18			
08:15			18	11	29	20:15			1	7	8			
08:30			19	5	24	20:30			1	7	8			
08:45			16	68	5	20:45			2	17	7	26	9	43
09:00			10	10	20	21:00			1	7	8			
09:15			20	11	31	21:15			1	8	9			
09:30			14	6	20	21:30			2	5	7			
09:45			10	54	3	21:45			1	5	4	24	5	29
10:00			12	6	18	22:00			2	4	6			
10:15			10	5	15	22:15			0	1	1			
10:30			8	10	18	22:30			0	2	2			
10:45			13	43	4	22:45			1	3	0	7	1	10
11:00			10	6	16	23:00			0	0	0			
11:15			10	9	19	23:15			2	3	5			
11:30			16	9	25	23:30			1	0	1			
11:45			11	47	4	23:45			0	3	3	6	3	9
TOTALS	484				246	730	TOTALS	283				561	844	
SPLIT %	66.3%				33.7%	46.4%	SPLIT %	33.5%				66.5%	53.6%	

DAILY TOTALS					NB	SB						EB	WB	Total
					0	0						767	807	1,574
AM Peak Hour			05:30	05:30	05:30	PM Peak Hour			16:30	15:45	16:30			
AM Pk Volume			82	79	161	PM Pk Volume			77	96	168			
Pk Hr Factor			0.788	0.658	0.759	Pk Hr Factor			0.770	0.889	0.913			
7 - 9 Volume	0	0	145	62	207	4 - 6 Volume	0	0	104	184	288			
7 - 9 Peak Hour			07:00	07:30	07:30	4 - 6 Peak Hour			16:30	16:00	16:30			
7 - 9 Pk Volume	0	0	77	38	112	4 - 6 Pk Volume	0	0	77	95	168			
Pk Hr Factor	0.000	0.000	0.837	0.864	0.848	Pk Hr Factor	0.000	0.000	0.770	0.880	0.913			



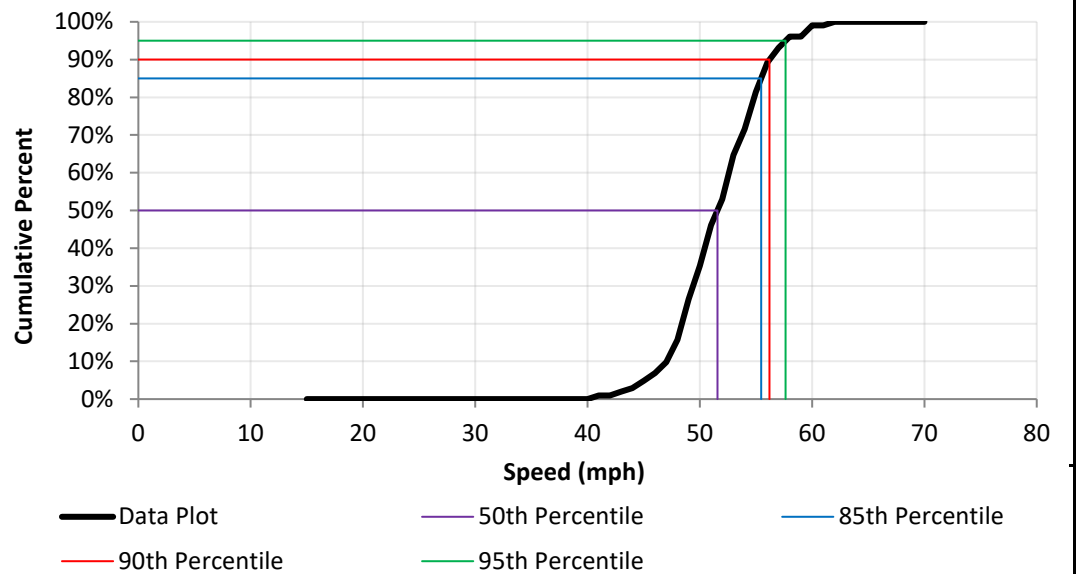
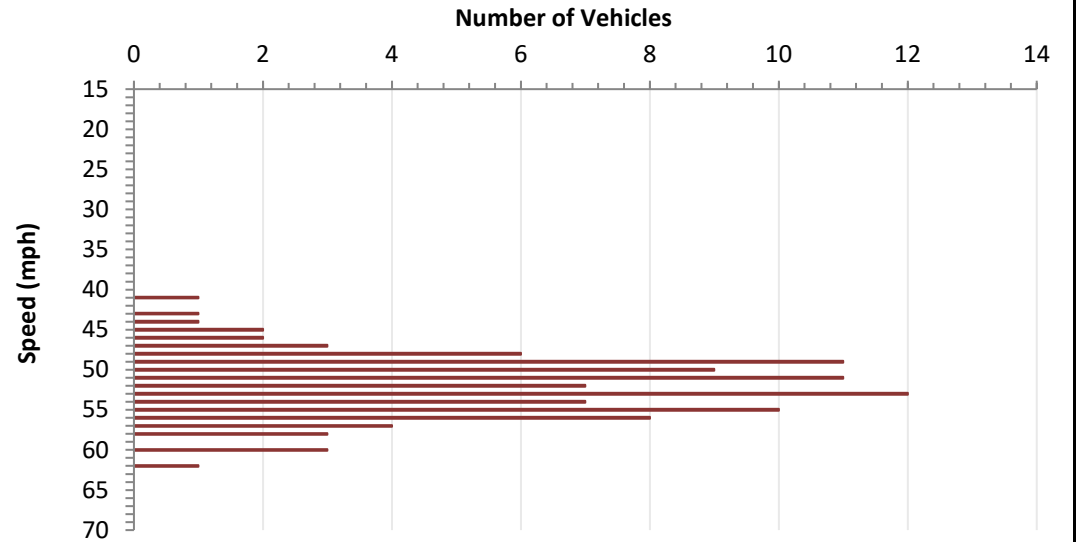
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Oak Dr	From:	Buckman Springs Rd	To:	1,200' E/o White Goose Rd
Position:	at Sunfish Wy	Direction:	EB/WB		

Date:	2/19/2020	Weather:	Clear	Project Number:	20-4042-007
Time Start:	12:15 PM	Road Condition:	Dry	Observer:	Contractor
Time End:	2:00 PM	Posted Speed:	UNPOSTED/35MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41	1	1.0%
42		
43	1	2.0%
44	1	2.9%
45	2	4.9%
46	2	6.9%
47	3	9.8%
48	6	15.7%
49	11	26.5%
50	9	35.3%
51	11	46.1%
52	7	52.9%
53	12	64.7%
54	7	71.6%
55	10	81.4%
56	8	89.2%
57	4	93.1%
58	3	96.1%
59		
60	3	99.0%
61		
62	1	100.0%
63		
64		
65		
66		
67		
68		
69		
70		
Total	102	

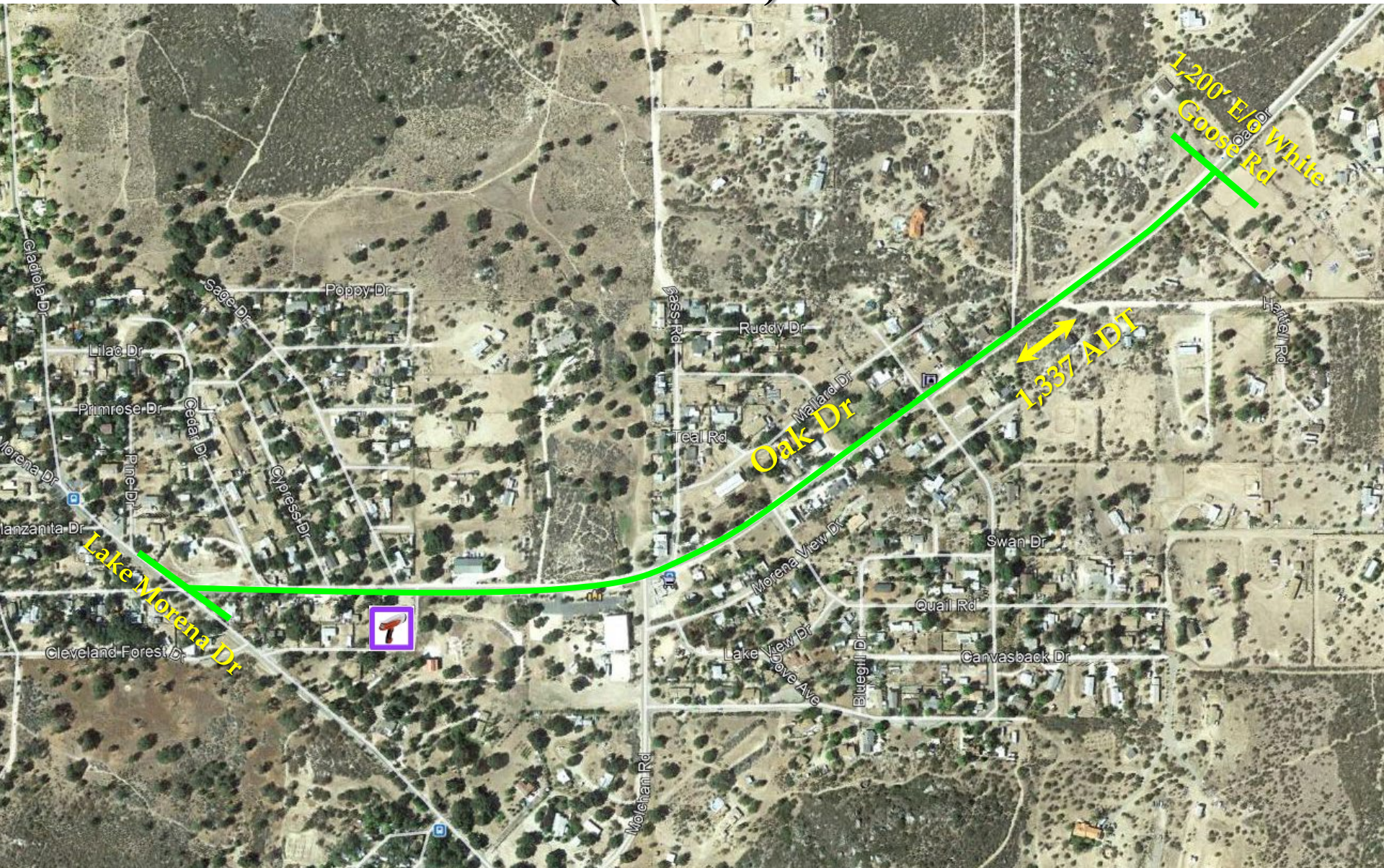


DATA ANALYSIS

Average Speed	52.0	Range	41 - 62
50th Percentile	51.6	10 mph Pace	48 - 57
85th Percentile	55.5	Number in Pace	85
90th Percentile	56.2	Percent in Pace	83%
95th Percentile	57.6		

2-B. Radar Certification

Oak Dr from 1,200' east of White Goose Rd to Lake Morena Dr
(0.78 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item **2-B**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Certification

LOCATION: Oak Drive from 1,200' E/o White Goose Road to Lake Morena Drive (a distance of 0.78 miles) LAKE MORENA (Thos. Bros. 1297-F5)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Oak Drive from 1,200' E/o White Goose Road to Lake Morena Drive is posted 35 MPH. Preliminary review of prevailing speeds and roadway conditions could support certifying the existing 35 MPH speed limit for radar enforcement.

Existing Traffic Devices

Oak Drive is a striped two-lane local roadway with a 24-foot travelled way on a 32-foot road bed. The roadway is striped with a no passing centerline. There is a section of Oak Drive from White Goose Road to Molchan Road that is posted 25 MPH. The roadway is classified as a Light Collector on the County General Plan Mobility Element Network. The roadway is posted 35 MPH Radar Enforced.

Average Daily Traffic Volumes

02/20

Oak Drive:

350' W/o White Goose Rd	1,337
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Speed Data

**85th
Percentile**

**10 MPH
Pace**

**% in
Pace**

Oak Drive:

150' W/o Sage Dr	(2019)	36.3 MPH	27-36	84.0%
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Collision Data

There has been 1 reported collisions along this segment of roadway which involved an injury in a 3 year period (10-01-16 to 09-30-19). These collisions result in a segment accident rate of 0.88 collisions per million vehicle miles. The statewide average is 1.05 collisions per million vehicle miles for similar rural conventional flat 2 lanes or less with speeds less than or equal to 55 mile per hour.

VOLUME

Oak Dr 350' W/O White Goose Rd

Day: Thursday
Date: 2/20/2020City: Campo
Project #: CA20_4040_009

DAILY TOTALS					NB	SB	EB					WB	Total	
					0	0						646	691	1,337
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00			0	1	1		12:00			4	6	10		
00:15			0	0	0		12:15			11	8	19		
00:30			0	0	0		12:30			6	10	16		
00:45			0	1	2	2	12:45			9	30	7	31	
01:00			1	0	1		13:00			6	7	13		
01:15			0	0	0		13:15			4	7	11		
01:30			1	0	1		13:30			8	9	17		
01:45			0	2	1	3	13:45			5	23	12	35	
02:00			1	0	1		14:00			9	8	17		
02:15			0	0	0		14:15			6	10	16		
02:30			1	0	1		14:30			11	15	26		
02:45			1	3	0	3	14:45			8	34	10	43	
03:00			3	0	3		15:00			3	11	14		
03:15			2	0	2		15:15			6	13	19		
03:30			3	0	3		15:30			7	14	21		
03:45			3	11	0	11	15:45			12	28	17	55	
04:00			2	0	2		16:00			6	23	29		
04:15			7	0	7		16:15			8	20	28		
04:30			7	0	7		16:30			20	20	40		
04:45			7	23	0	23	16:45			12	46	15	78	
05:00			9	4	13		17:00			23	19	42		
05:15			8	1	9		17:15			15	20	35		
05:30			10	7	17		17:30			6	24	30		
05:45			19	46	19	31	17:45			8	52	13	76	
06:00			22	31	53		18:00			4	11	15		
06:15			12	22	34		18:15			4	20	24		
06:30			12	3	15		18:30			5	10	15		
06:45			14	60	5	61	18:45			5	18	11	52	
07:00			20	3	23		19:00			3	15	18		
07:15			15	5	20		19:15			5	5	10		
07:30			14	8	22		19:30			3	11	14		
07:45			12	61	4	20	19:45			1	12	7	38	
08:00			16	11	27		20:00			12	6	18		
08:15			19	10	29		20:15			1	6	7		
08:30			12	9	21		20:30			3	7	10		
08:45			13	60	5	35	20:45			1	17	3	22	
09:00			5	8	13		21:00			0	5	5		
09:15			18	10	28		21:15			1	7	8		
09:30			9	7	16		21:30			2	3	5		
09:45			12	44	2	27	21:45			1	4	5	20	
10:00			6	2	8		22:00			0	1	1		
10:15			10	7	17		22:15			1	5	6		
10:30			3	9	12		22:30			1	2	3		
10:45			13	32	4	22	22:45			1	3	1	9	
11:00			6	7	13		23:00			0	3	3		
11:15			9	8	17		23:15			1	1	2		
11:30			12	9	21		23:30			0	0	0		
11:45			9	36	3	27	23:45			0	1	2	6	
TOTALS			378	226	604		TOTALS			268	465	733		
SPLIT %			62.6%	37.4%	45.2%		SPLIT %			36.6%	63.4%	54.8%		

DAILY TOTALS			NB	SB	EBWB				Total		
			0	0					646	691	1,337
AM Peak Hour			05:45	05:30	05:30	PM Peak Hour			16:30	15:45	16:30
AM Pk Volume			65	79	142	PM Pk Volume			70	80	144
Pk Hr Factor			0.739	0.637	0.670	Pk Hr Factor			0.761	0.870	0.857
7 - 9 Volume	0	0	121	55	176	4 - 6 Volume	0	0	98	154	252
7 - 9 Peak Hour			07:00	08:00	08:00	4 - 6 Peak Hour			16:30	16:00	16:30
7 - 9 Pk	0	0	61	35	95	4 - 6 Pk	0	0	70	78	144
Pk Hr Factor	0.000	0.000	0.763	0.795	0.819	Pk Hr Factor	0.000	0.000	0.761	0.848	0.857



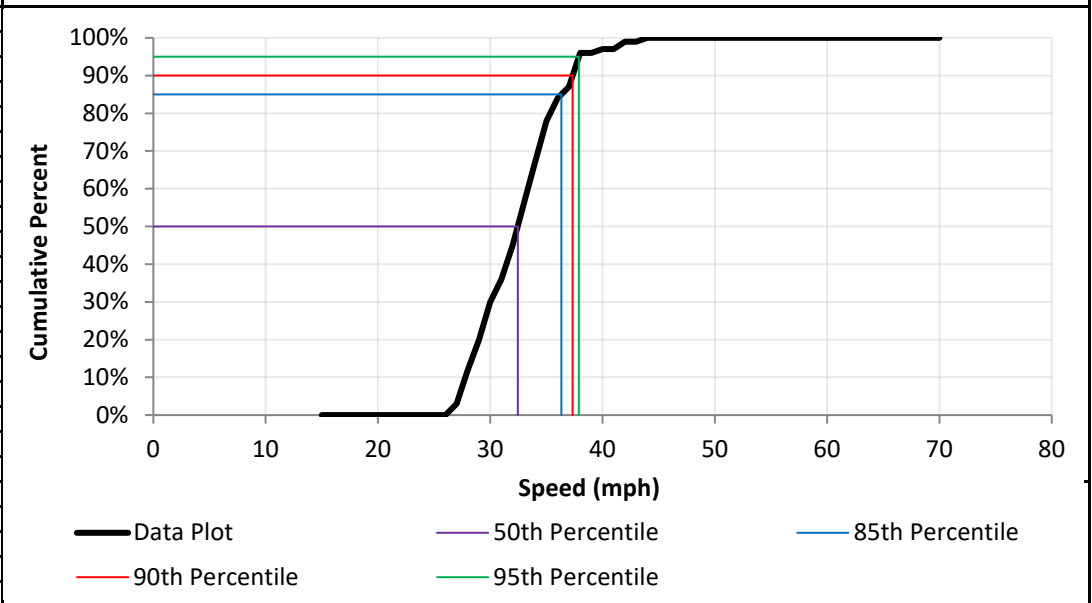
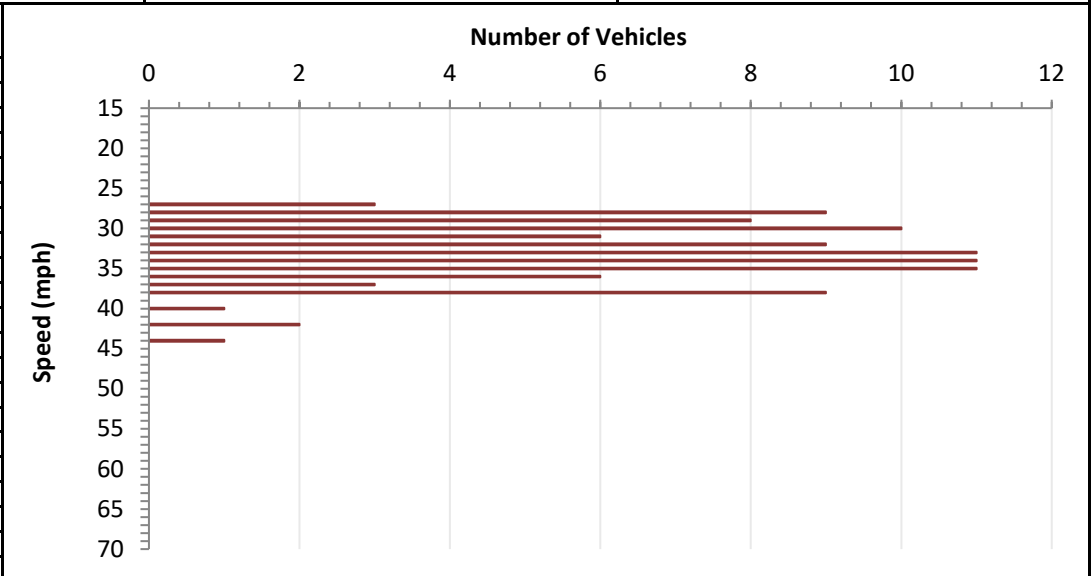
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	Oak Drive	From:	1,200' E/o White Goose Rd	To:	Lake Morena Dr
Position:	150' W/o Sage Dr	Direction:	EB/WB		

Date:	2/19/2020	Weather:	Clear	Project Number:	20-4042-008
Time Start:	10:45 AM	Road Condition:	Dry	Observer:	Contractor
Time End:	12:15 PM	Posted Speed:	35/25 MPH (EB/WB)	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27	3	3.0%
28	9	12.0%
29	8	20.0%
30	10	30.0%
31	6	36.0%
32	9	45.0%
33	11	56.0%
34	11	67.0%
35	11	78.0%
36	6	84.0%
37	3	87.0%
38	9	96.0%
39		
40	1	97.0%
41		
42	2	99.0%
43		
44	1	100.0%
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	100	



DATA ANALYSIS			
Average Speed	33.0	Range	27 - 44
50th Percentile	32.5	10 mph Pace	27 - 36
85th Percentile	36.3	Number in Pace	84
90th Percentile	37.3	Percent in Pace	84%
95th Percentile	37.9		

2-C. Temporary Road Closure

**Camino Monte Sombra from 275' east of Calle de la Sierra to end of
County Maintenance (465 ft)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Temporary Road Closure

LOCATION: Camino Monte Sombra, from a point 275 feet east of Calle de la Sierra easterly to the end of County maintenance (a distance of 475 feet), CREST (Thos. Bros. 1252-E4)

INITIATED BY: Traffic Engineering

REQUEST: Extend the Temporary Road Closure for an additional 18 months

PROBLEM AS STATED BY REQUESTER:

In both 2001 and 2017, this segment of Camino Monte Sombra was identified by the Sheriff's Department and the California Highway Patrol (CHP) as a location where serious and violent criminal activity was occurring on a frequent basis. In 2001 and 2017, the Board of Supervisors approved a temporary 18-month road closure and subsequent extensions as a result of serious and continual criminal activity.

The resolution enacting the temporary road closure dictates this closure may be extended for a total of eight additional consecutive periods of not more than 18 months each. Also, prior to each extension, a public hearing is held and the same findings be made.

The Board of Supervisors, Law Enforcement Officials, Crest-Dehesa Community Planning Group and affected property owners have consistently supported previous extensions of Camino Monte Sombra's temporary road closure. This item would be the second proposed extension for an additional 18 months of the closure reestablished in 2017.

DATA:

Existing Traffic Devices

Camino Monte Sombra is a 28-foot wide, striped, two-lane roadway with a parking prohibition along both sides in advance of the closed segment. The closed segment has a "\$1,000 Fine for Littering" sign in place. The roadway is unclassified on the County General Plan Mobility Element Network. The roadway does not have a posted speed limit.

2-D. Temporary Road Closure

Mast Bl from Pinery Grove / Marathon Pkwy to Cul-de-sac

(850 ft)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020 **Item 2-D**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Temporary Road Closure

LOCATION: Mast Boulevard, from Pinery Grove/Marathon Parkway to the end of the Cul-de-Sac (a distance of 850 feet), LAKESIDE (Thos. Bros. 1231-G4)

INITIATED BY: Traffic Engineering

REQUEST: Extend the Temporary Road Closure for an additional 18 months

PROBLEM AS STATED BY REQUESTER:

In 2018, this segment of Mast Boulevard was identified by the Sheriff's Department and the California Highway Patrol (CHP) as a location where serious and continual criminal activity was occurring on a frequent basis. In 2019, the Board of Supervisors approved a temporary 18-month road closure and subsequent extensions as a result of serious and continual criminal activity.

The resolution enacting the temporary road closure dictates this closure may be extended for a total of eight additional consecutive periods of not more than 18 months each. Also, prior to each extension, a public hearing is held and the same findings be made.

The Board of Supervisors, Law Enforcement Officials, Lakeside Community Planning Group and affected property owners supported Mast Boulevard's temporary road closure. This item would be the first proposed extension for an additional 18 months of the closure established in 2018.

DATA:

Existing Traffic Devices

Mast Blvd is a 56-foot striped two-lane roadway with bike lanes and raised median. There is currently a "Dumping Prohibited" sign at the Cul-de-Sac. The road does not have a posted speed limit. Although the roadway is classified on the County General Plan Mobility Element Network as a Major road and Mast Blvd from Carlton Hills Blvd (Santee) to its eastern end has been designated a through highway, this small 850' segment is a stub road with no plans for development.

2-E. Temporary Road Closure

**Whitestone Rd from 130' N/o Lake Ridge Ct to cul-de-sac
(100 ft)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item 2-E

SUPERVISORIAL DISTRICT: 2

SUBJECT: Temporary Road Closure

LOCATION: Whitestone Road, from a point 130 feet north of Lake Ridge Court northerly to the end of County maintenance (a distance of 100 ft), SPRING VALLEY (Thos. Bros. 1291-E2)

INITIATED BY: Traffic Engineering

REQUEST: Extend the Temporary Road Closure for an additional 18 months

PROBLEM AS STATED BY REQUESTER:

In 2018, this segment of Whitestone Road was identified by the Sheriff's Department and the California Highway Patrol (CHP) as a location where serious and continual criminal activity and illegal dumping was occurring on a frequent basis. In 2019, the Board of Supervisors approved a temporary 18-month road closure and subsequent extensions as a result of serious and continual criminal activity.

The resolution enacting the temporary road closure dictates this closure may be extended for a total of eight additional consecutive periods of not more than 18 months each. Also, prior to each extension, a public hearing is held and the same findings be made.

The Board of Supervisors, Law Enforcement Officials, Spring Valley Community Planning Group and affected property owners supported Mast Boulevard's temporary road closure. This item would be the first proposed extension for an additional 18 months of the closure established in 2018.

DATA:

Whitestone Road is a striped two-lane roadway that measures 40-64 feet in width with a two way left turn median and parking on both sides of the road. Whitestone Road from 130 feet north of Lake Ridge Court northerly to the end of County maintenance, is a portion being proposed to be closed. The segment is a 40-foot wide residential roadway with parking along both sides. Whitestone Road is unclassified on the County General Plan Mobility Element Network. The road does not have a posted speed limit.

Highland Valley Rd from Archie Moore Rd to Bandy Canyon Rd (6.04 mi)

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item 2-F

SUPERVISORIAL DISTRICT: 2

SUBJECT: Weight Restriction

LOCATION: Highland Valley Road from Archie Moore Road to Bandy Canyon Road (a distance of 6.04 miles)
RAMONA (Thos. Bros. 1151-F7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Commercial Weight Restriction

PROBLEM AS STATED BY REQUESTER:

Highland Valley Road from Archie Moore Road to Bandy Canyon Road is a residential area as defined in the County Traffic Guidelines. Large commercial vehicles have used this roadway as an alternative route to the Caltrans truck route of State Route 67 to State Route 78. The geometric alignment of the roadway is substandard for large vehicle traffic.

Existing Traffic Devices

Highland Valley Road is a striped two-lane local roadway 20 to 28-feet in width. The roadway is striped with a no passing centerline and white edgeline. There are speed advisory curves along the segment. The roadway is classified as a Light Collector in the County General Plan Mobility Element Network. Highland Valley Road is posted 55 MPH Radar Enforced.

Average Daily Traffic Volumes

09/16

Highland Valley Road:

350' W/o Archie Moore Trail

1,392

Collision Data

There have been 41 reported collisions along this segment of roadway, 1 of which involved a truck, in a 3 year period (01-01-17 to 12-31-19). These collisions result in a segment accident rate of 4.47 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar rural conventional rolling 2 lanes or less with speeds less than or equal to 55 mile per hour.



County of San Diego

BRIAN ALBRIGHT
DIRECTOR

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COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: May 28, 2020

Item Title: Weight Restriction

Location: Highland Valley Road

CTE Recommendation: Establish Commercial Weight Restriction

Conditions:

- California Vehicle Code (CVC) Sections 35712 and 35715 state that a County may, by ordinance, prohibit commercial vehicle exceeding a gross weight of 14,000 pounds for using a residential or subdivision area roadways and a truck Route designation and signage have to be established before the Ordinance is effective.
- The County Traffic Guidelines adopted by the Board of Supervisors on March 4, 2015 (Resolution 15-021) provides a description of a residential area where a roadway is predominately abutting residential units.
- Highland Valley Road is within a residential area as defined by the County Traffic Guidelines and its geometric alignment is substandard for truck traffic.
- An alternate truck route is hereby, identified as State Route 67 to State Route 78 as required by the CVC Section 35715.

- Therefore, a commercial weight restriction of 14,000 pounds should be established for Highland Valley Road from Archie Moore Road to Bandy Canyon Road.

5-A. Radar Certification

Valley Center Rd from N Lake Wohlford Rd to State Route 76
(4.96 mi)



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Certification

LOCATION: Valley Center Road from State Route 76 to North Lake Wohlford Road (a distance of 4.96 miles) VALLEY CENTER / RINCON (Thos. Bros. 1051-D7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Certification

PROBLEM AS STATED BY REQUESTER:

Valley Center Road from State Route 76 to 1,230 feet south of Mile Post 34 is posted 50 MPH radar enforced. Valley Center Road from 1,230 feet south of Mile Post 34 to North Lake Wohlford Road is a 55 MPH unposted speed zone. Preliminary review of prevailing speeds and roadway conditions could support a reducing the speed limit on Valley Center Road, from State Route 76 to North Lake Wohlford Road, to 45 MPH and certify the reduced speed limit for radar enforcement.

Existing Traffic Devices

Valley Center Road is a striped two-lane local roadway that measures 24 to 50 feet in width. There is a short 4-lane section of roadway with traffic control signals at two intersections adjacent to the Rincon Casino. This segment of Valley Center Road is striped with a no passing centerline, passing centerlines, bike lanes, and two-way left turn lane in front of the casino. The roadway is classified as a Community Collector on the County General Plan Mobility Element Network. The roadway is posted 50 MPH Radar Enforced.

Average Daily Traffic Volumes

07/19

Valley Center Road:

1,200' S/o Sass Drive	9,160
500' S/o Mazzetti Lane	8,773

Speed Data

Valley Center Road:

		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
1,800' S/o State Route 76	(2019)	49.1 MPH	41-50	78.0%
835' S/o Sass Drive	(2019)	54.6 MPH	43-52	65.0%
1,075' N/o N Lake Wohlford Rd	(2019)	48.4 MPH	40-49	80.0%

Speed Zone	(2019) 50.7 MPH	41-50	74.3%
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Collision Data

There have been 83 reported collisions along this segment of roadway, 35 of which involved an injury and 4 of which involved a fatality, in a 3 year period (10-01-16 to 09-30-19). These collisions result in a segment accident rate of 1.71 collisions per million vehicle miles. The statewide average is 0.86 collisions per million vehicle miles for similar rural conventional flat 2 lanes or less with speeds less than or equal to 55 mile per hour.



County of San Diego

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COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: April 27, 2020

Item Title: Speed Limit and Radar Certification

Location: Valley Center Road from North Lake Wohlford Road to SR-76

CTE Recommendation: **Establish 45 MPH Radar Enforced Speed Limit**

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 (85th percentile) speed of motorists.
- Valley Center Road is a two-lane roadway (4 lane for .3 miles adjacent to the Rincon Casino) that measures approximately 24 to 50 feet in width, mostly with graded shoulder throughout its length of 4.95 miles. The majority of the road is striped with double yellow centerline and there are some areas with dashed yellow centerline for passing.

- Speed surveys on Valley Center Road taken in March 2019 resulted in an overall prevailing speed of 50.7 mph, which supports a speed limit of 45 mph using radar for speed enforcement.
- A review of the roadway collision data for a three-year period (October 2016 to September 2019) shows a total of 83 collisions on Valley Center Road with a collision rate of 1.71 collisions per million-vehicle-mile (c/mvm) compared to a state average 0.86 c/mvm for similar roadway.
- Pursuant to CVC section 22358 coupled with above conditions on Valley Center Road and the guidance of the CA MUTCD section 2B.13, a 45 mph radar enforced speed limit on Valley Center Road from North Lake Wohlford Road to SR 76 is reasonable and safe.



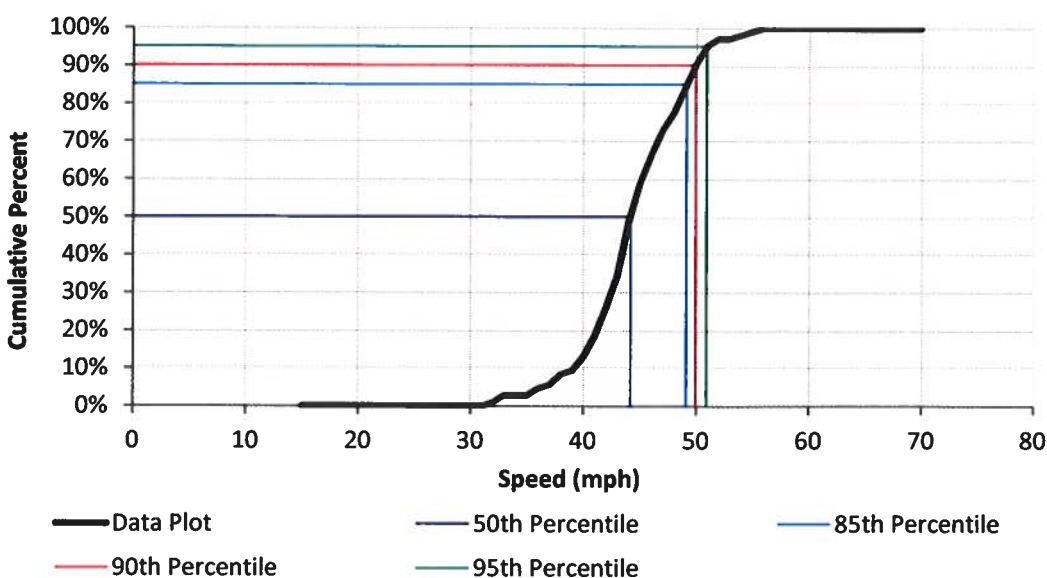
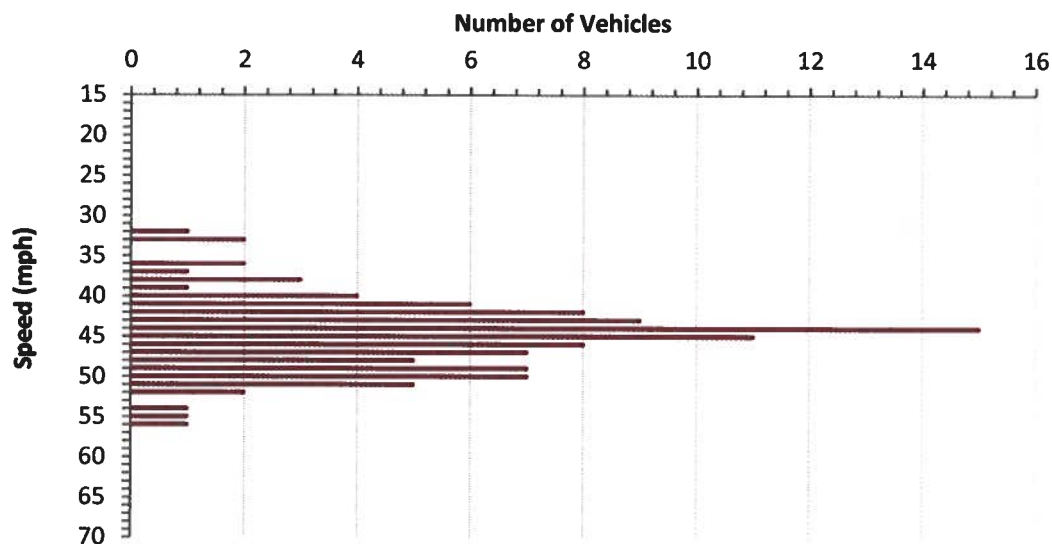
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	VALLEY Center Rd	From:	1800 ft s/o SR 76	To:	0
Position:	0	Direction:	NB/SB		

Date:	3/18/2019	Weather:	Clear	Project Number:	0
Time Start:	10:00 AM	Road Condition:	DRY	Observer:	Tricia Ernie
Time End:	10:30 AM	Posted Speed:	0	Calibration Test:	N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32	1	0.9%
33	2	2.8%
34		
35		
36	2	4.7%
37	1	5.6%
38	3	8.4%
39	1	9.3%
40	4	13.1%
41	6	18.7%
42	8	26.2%
43	9	34.6%
44	15	48.6%
45	11	58.9%
46	8	66.4%
47	7	72.9%
48	5	77.6%
49	7	84.1%
50	7	90.7%
51	5	95.3%
52	2	97.2%
53		
54	1	98.1%
55	1	99.1%
56	1	100.0%
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	107	



DATA ANALYSIS

Average Speed	44.8	Range	32 - 56
50th Percentile	44.1	10 mph Pace	41 - 50
85th Percentile	49.1	Number in Pace	83
90th Percentile	49.9	Percent in Pace	78%
95th Percentile	50.9		

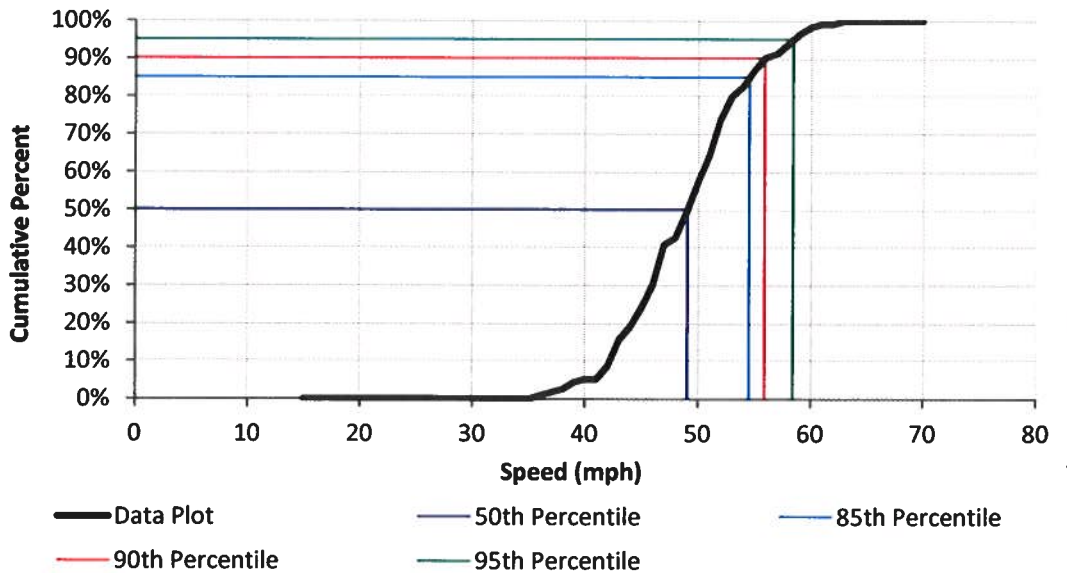
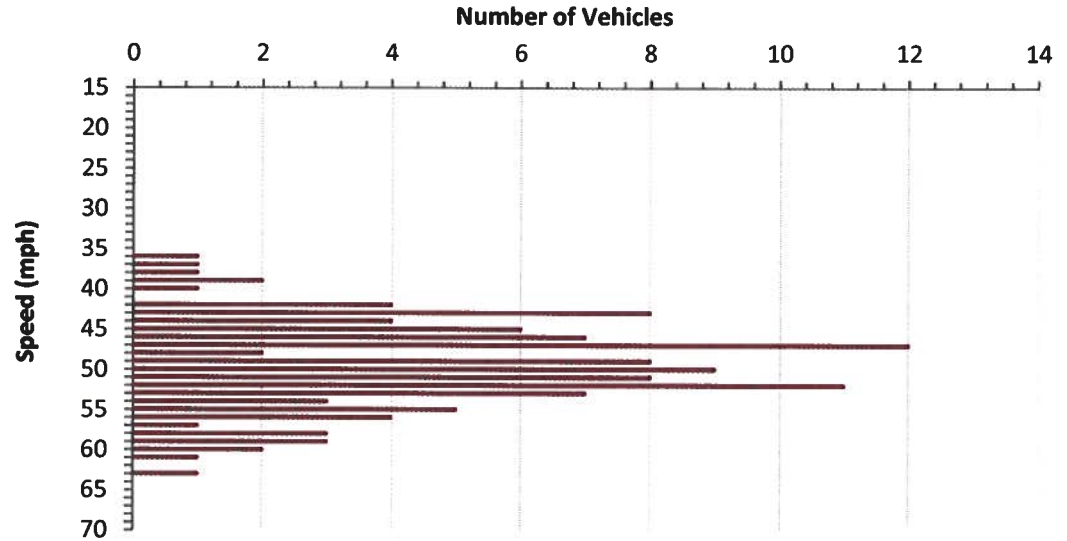


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name: VALLEY CENTER RD	From: 0	To: 0
Position: LEAVING RINCON SIGN	Direction: NB/SB	
Date: 3/18/2019	Weather: Clear	Project Number: 0
Time Start: 10:00 AM	Road Condition: DRY	Observer: Tricia Ernie
Time End: 10:30 AM	Posted Speed: 0	Calibration Test: N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36	1	0.9%
37	1	1.7%
38	1	2.6%
39	2	4.3%
40	1	5.2%
41		
42	4	8.7%
43	8	15.7%
44	4	19.1%
45	6	24.3%
46	7	30.4%
47	12	40.9%
48	2	42.6%
49	8	49.6%
50	9	57.4%
51	8	64.3%
52	11	73.9%
53	7	80.0%
54	3	82.6%
55	5	87.0%
56	4	90.4%
57	1	91.3%
58	3	93.9%
59	3	96.5%
60	2	98.3%
61	1	99.1%
62		
63	1	100.0%
64		
65		
66		
67		
68		
69		
70		
Total	115	



DATA ANALYSIS

Average Speed	49.3	Range	36 - 63
50th Percentile	49.1	10 mph Pace	43 - 52
85th Percentile	54.6	Number in Pace	75
90th Percentile	55.9	Percent in Pace	65%
95th Percentile	58.4		

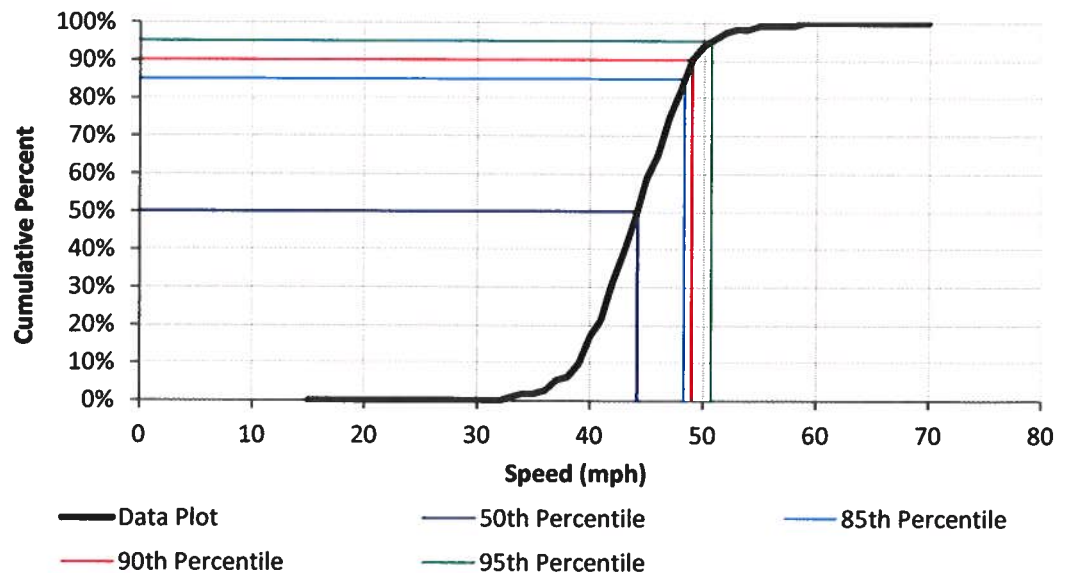
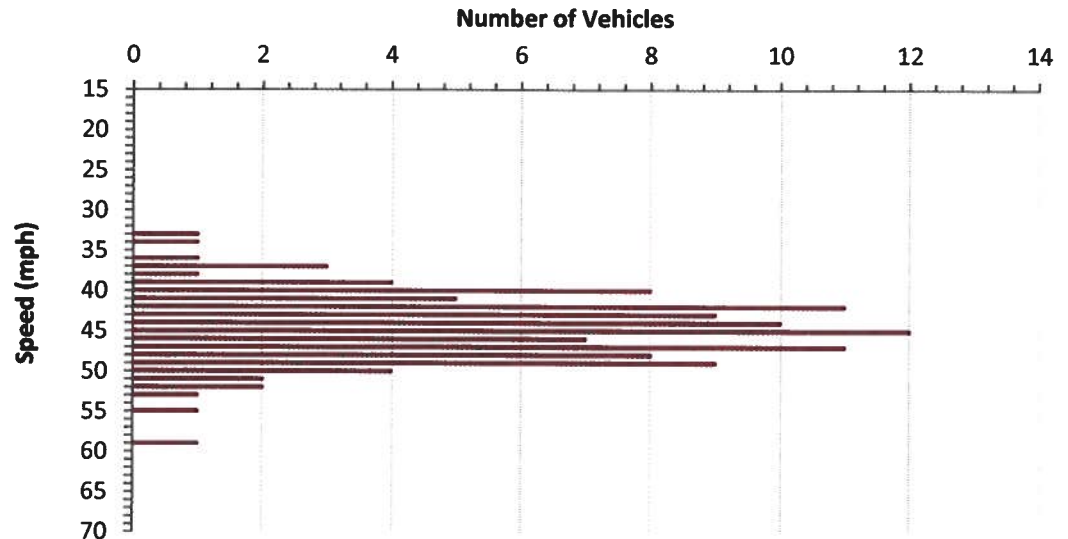


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	VALLEY CENTER RD	From:	0	To:	0
Position:	1,075 FT NO N. Lake Wholford Rd	Direction:	NB/SB		
Date:	3/18/2019	Weather:	Clear	Project Number:	0
Time Start:	11:30 AM	Road Condition:	DRY	Observer:	Tricia Ernie
Time End:	12:00 PM	Posted Speed:	0	Calibration Test:	N

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	1	0.9%
34	1	1.8%
35		
36	1	2.7%
37	3	5.4%
38	1	6.3%
39	4	9.8%
40	8	17.0%
41	5	21.4%
42	11	31.3%
43	9	39.3%
44	10	48.2%
45	12	58.9%
46	7	65.2%
47	11	75.0%
48	8	82.1%
49	9	90.2%
50	4	93.8%
51	2	95.5%
52	2	97.3%
53	1	98.2%
54		
55	1	99.1%
56		
57		
58		
59	1	100.0%
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	112	



DATA ANALYSIS

Average Speed	44.6	Range	33 - 59
50th Percentile	44.2	10 mph Pace	40 - 49
85th Percentile	48.4	Number in Pace	90
90th Percentile	49.0	Percent in Pace	80%
95th Percentile	50.7		

VOLUME

Valley Center Rd 1200' S/O Sass Dr

Day: Thursday
Date: 7/18/2019

City: Valley Center
Project #: CA19_4287_002

DAILY TOTALS						NB	SB	EB		WB		Total		
						4,796	4,677	0		0		9,473		
AM Period	NB		SB		EB	WB	TOTAL	PM Period	NB		SB	EB	WB	TOTAL
00:00	10		18		0	0	28	12:00	62		78	0	0	140
00:15	13		8		0	0	21	12:15	69		51	0	0	120
00:30	16		21		0	0	37	12:30	68		72	0	0	140
00:45	19	58	16	63	0	0	35	12:45	74	273	79	280	0	553
01:00	9		15		0	0	24	13:00	65		70	0	0	135
01:15	9		11		0	0	20	13:15	74		69	0	0	143
01:30	8		8		0	0	16	13:30	62		64	0	0	126
01:45	9	35	14	48	0	0	23	13:45	85	286	67	270	0	556
02:00	4		13		0	0	17	14:00	63		68	0	0	131
02:15	6		7		0	0	13	14:15	84		58	0	0	142
02:30	9		13		0	0	22	14:30	81		97	0	0	178
02:45	7	26	11	44	0	0	18	14:45	84	312	85	308	0	620
03:00	5		10		0	0	15	15:00	67		81	0	0	148
03:15	6		8		0	0	14	15:15	76		75	0	0	151
03:30	9		8		0	0	17	15:30	87		96	0	0	183
03:45	5	25	14	40	0	0	19	15:45	74	304	69	321	0	625
04:00	4		14		0	0	18	16:00	88		97	0	0	185
04:15	3		9		0	0	12	16:15	78		131	0	0	209
04:30	10		7		0	0	17	16:30	110		120	0	0	230
04:45	15	32	16	46	0	0	31	16:45	84	360	98	446	0	806
05:00	14		28		0	0	42	17:00	93		112	0	0	205
05:15	13		33		0	0	46	17:15	82		81	0	0	163
05:30	28		33		0	0	61	17:30	69		81	0	0	150
05:45	46	101	38	132	0	0	84	17:45	79	323	70	344	0	667
06:00	39		44		0	0	83	18:00	80		74	0	0	154
06:15	67		52		0	0	119	18:15	76		65	0	0	141
06:30	57		68		0	0	125	18:30	77		65	0	0	142
06:45	51	214	49	213	0	0	100	18:45	82	315	63	267	0	582
07:00	47		62		0	0	109	19:00	78		48	0	0	126
07:15	52		58		0	0	110	19:15	67		67	0	0	134
07:30	68		60		0	0	128	19:30	53		49	0	0	102
07:45	112	279	71	251	0	0	183	19:45	80	278	46	210	0	488
08:00	53		50		0	0	103	20:00	73		45	0	0	118
08:15	54		51		0	0	105	20:15	60		31	0	0	91
08:30	42		54		0	0	96	20:30	60		32	0	0	92
08:45	60	209	50	205	0	0	110	20:45	55	248	32	140	0	388
09:00	57		53		0	0	110	21:00	57		29	0	0	86
09:15	37		57		0	0	94	21:15	51		32	0	0	83
09:30	42		44		0	0	86	21:30	49		42	0	0	91
09:45	60	196	47	201	0	0	107	21:45	27	184	37	140	0	324
10:00	53		45		0	0	98	22:00	36		42	0	0	78
10:15	50		52		0	0	102	22:15	30		34	0	0	64
10:30	73		53		0	0	126	22:30	29		29	0	0	58
10:45	55	231	65	215	0	0	120	22:45	26	121	19	124	0	245
11:00	69		56		0	0	125	23:00	32		25	0	0	57
11:15	73		63		0	0	136	23:15	20		28	0	0	48
11:30	66		76		0	0	142	23:30	28		28	0	0	56
11:45	82	290	71	266	0	0	153	23:45	16	96	22	103	0	199
TOTALS	1696		1724				3420	TOTALS	3100		2953		6053	
SPLIT %	49.6%		50.4%				36.1%	SPLIT %	51.2%		48.8%		63.9%	

DAILY TOTALS						NB	SB	EB	WB	Total
						4,796	4,677	0	0	9,473
AM Peak Hour	11:00	11:15			11:15	PM Peak Hour	16:30	16:15		16:15
AM Pk Volume	290	288			571	PM Pk Volume	369	461		826
Pk Hr Factor	0.884	0.923			0.933	Pk Hr Factor	0.839	0.880		0.898
7 - 9 Volume	488	456	0	0	944	4 - 6 Volume	683	790	0	0
7 - 9 Peak Hour	07:30	07:00			07:00	4 - 6 Peak Hour	16:30	16:15		16:15
7 - 9 Pk Volume	287	251	0	0	530	4 - 6 Pk Volume	369	461	0	0
Pk Hr Factor	0.641	0.884	0.000	0.000	0.724	Pk Hr Factor	0.839	0.880	0.000	0.000

VOLUME

Valley Center Rd 1200' S/O Sass Dr

Day: Wednesday
Date: 7/17/2019

City: Valley Center
Project #: CA19_4287_002

DAILY TOTALS				NB	SB	EB	WB	Total
				4,392	4,456	0	0	8,848

AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	9	28	0	0	37	12:00	50	64	0	0	114
00:15	12	11	0	0	23	12:15	56	57	0	0	113
00:30	13	16	0	0	29	12:30	47	62	0	0	109
00:45	11	45	14	69	25	12:45	68	221	60	243	128
01:00	11	9	0	0	20	13:00	57	82	0	0	139
01:15	6	10	0	0	16	13:15	54	67	0	0	121
01:30	4	13	0	0	17	13:30	56	52	0	0	108
01:45	6	27	11	43	17	13:45	62	229	63	264	125
02:00	3	3	0	0	6	14:00	74	64	0	0	138
02:15	8	12	0	0	20	14:15	70	56	0	0	126
02:30	9	9	0	0	18	14:30	69	72	0	0	141
02:45	1	21	10	34	11	14:45	68	281	48	240	116
03:00	2	12	0	0	14	15:00	69	72	0	0	141
03:15	6	9	0	0	15	15:15	70	66	0	0	136
03:30	6	14	0	0	20	15:30	81	72	0	0	153
03:45	6	20	10	45	16	15:45	85	305	85	295	170
04:00	1	12	0	0	13	16:00	93	111	0	0	204
04:15	4	13	0	0	17	16:15	84	95	0	0	179
04:30	7	9	0	0	16	16:30	96	140	0	0	236
04:45	15	27	11	45	26	16:45	78	351	84	430	162
05:00	14	20	0	0	34	17:00	80	93	0	0	173
05:15	16	23	0	0	39	17:15	56	69	0	0	125
05:30	30	24	0	0	54	17:30	87	75	0	0	162
05:45	42	102	23	90	65	17:45	61	284	71	308	132
06:00	54	44	0	0	98	18:00	65	64	0	0	129
06:15	59	53	0	0	112	18:15	74	63	0	0	137
06:30	70	75	0	0	145	18:30	71	54	0	0	125
06:45	47	230	52	224	99	18:45	73	283	39	220	112
07:00	57	71	0	0	128	19:00	74	44	0	0	118
07:15	58	57	0	0	115	19:15	69	32	0	0	101
07:30	65	65	0	0	130	19:30	65	39	0	0	104
07:45	88	268	79	272	167	19:45	52	260	28	143	80
08:00	52	54	0	0	106	20:00	54	30	0	0	84
08:15	51	55	0	0	106	20:15	50	42	0	0	92
08:30	48	68	0	0	116	20:30	50	52	0	0	102
08:45	57	208	56	233	113	20:45	47	201	34	158	81
09:00	47	52	0	0	99	21:00	54	35	0	0	89
09:15	50	53	0	0	103	21:15	46	40	0	0	86
09:30	43	60	0	0	103	21:30	50	31	0	0	81
09:45	54	194	60	225	114	21:45	57	207	36	142	93
10:00	37	58	0	0	95	22:00	30	38	0	0	68
10:15	47	60	0	0	107	22:15	37	25	0	0	62
10:30	73	68	0	0	141	22:30	33	36	0	0	69
10:45	52	209	77	263	129	22:45	38	138	23	122	61
11:00	47	55	0	0	102	23:00	26	17	0	0	43
11:15	48	72	0	0	120	23:15	26	24	0	0	50
11:30	46	62	0	0	108	23:30	22	19	0	0	41
11:45	55	196	74	263	129	23:45	11	85	25	85	36
TOTALS	1547	1806			3353	TOTALS	2845	2650			5495
SPLIT %	46.1%	53.9%			37.9%	SPLIT %	51.8%	48.2%			62.1%

DAILY TOTALS				NB	SB	EB	WB	Total
				4,392	4,456	0	0	8,848

AM Peak Hour	07:00	07:00		07:00	PM Peak Hour	15:45	15:45		15:45
AM Pk Volume	268	272		540	PM Pk Volume	358	431		789
Pk Hr Factor	0.761	0.861		0.808	Pk Hr Factor	0.932	0.770		0.836
7 - 9 Volume	476	505	0	981	4 - 6 Volume	635	738	0	1373
7 - 9 Peak Hour	07:00	07:00		07:00	4 - 6 Peak Hour	16:00	16:00		16:00
7 - 9 Pk Volume	268	272	0	540	4 - 6 Pk Volume	351	430	0	781
Pk Hr Factor	0.761	0.861	0.000	0.808	Pk Hr Factor	0.914	0.768	0.000	0.827

VOLUME

Valley Center Rd 500' S/O Mazzetti Ln

Day: Thursday
Date: 7/18/2019

City: Valley Center
Project #: CA19_4287_003

DAILY TOTALS						NB	SB	EB		WB	Total
						4,515	4,545	0		0	9,060
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	26	9	0	0	35	12:00	73	86	0	0	159
00:15	12	8	0	0	20	12:15	68	62	0	0	130
00:30	15	11	0	0	26	12:30	65	69	0	0	134
00:45	13	66	8	36	102	12:45	86	292	68	285	577
01:00	14	3	0	0	17	13:00	78	65	0	0	143
01:15	13	7	0	0	20	13:15	61	68	0	0	129
01:30	13	8	0	0	21	13:30	75	68	0	0	143
01:45	14	54	6	24	78	13:45	75	289	80	281	570
02:00	10	2	0	0	12	14:00	57	72	0	0	129
02:15	11	4	0	0	15	14:15	58	90	0	0	148
02:30	9	8	0	0	17	14:30	76	92	0	0	168
02:45	15	45	4	18	63	14:45	80	271	90	344	615
03:00	5	4	0	0	9	15:00	69	85	0	0	154
03:15	7	3	0	0	10	15:15	69	75	0	0	144
03:30	14	4	0	0	18	15:30	82	84	0	0	166
03:45	4	30	9	20	50	15:45	70	290	73	317	607
04:00	5	9	0	0	14	16:00	62	118	0	0	180
04:15	6	6	0	0	12	16:15	84	138	0	0	222
04:30	8	15	0	0	23	16:30	109	107	0	0	216
04:45	6	25	13	43	68	16:45	70	325	109	472	797
05:00	16	20	0	0	36	17:00	105	81	0	0	186
05:15	17	25	0	0	42	17:15	62	81	0	0	143
05:30	22	32	0	0	54	17:30	73	71	0	0	144
05:45	31	86	31	108	194	17:45	89	329	63	296	625
06:00	45	54	0	0	99	18:00	91	73	0	0	164
06:15	54	54	0	0	108	18:15	86	63	0	0	149
06:30	43	64	0	0	107	18:30	59	76	0	0	135
06:45	57	199	58	230	429	18:45	64	300	49	261	561
07:00	55	47	0	0	102	19:00	73	43	0	0	116
07:15	40	51	0	0	91	19:15	61	47	0	0	108
07:30	52	51	0	0	103	19:30	47	58	0	0	105
07:45	63	210	74	223	433	19:45	66	247	49	197	444
08:00	53	58	0	0	111	20:00	60	44	0	0	104
08:15	36	54	0	0	90	20:15	51	27	0	0	78
08:30	38	53	0	0	91	20:30	37	49	0	0	86
08:45	53	180	60	225	405	20:45	48	196	31	151	347
09:00	42	53	0	0	95	21:00	50	27	0	0	77
09:15	29	62	0	0	91	21:15	53	29	0	0	82
09:30	42	61	0	0	103	21:30	45	22	0	0	67
09:45	63	176	55	231	407	21:45	35	183	37	115	298
10:00	49	65	0	0	114	22:00	40	32	0	0	72
10:15	52	46	0	0	98	22:15	33	14	0	0	47
10:30	67	70	0	0	137	22:30	26	15	0	0	41
10:45	48	216	58	239	455	22:45	24	123	12	73	196
11:00	61	53	0	0	114	23:00	26	17	0	0	43
11:15	57	71	0	0	128	23:15	32	24	0	0	56
11:30	81	81	0	0	162	23:30	26	10	0	0	36
11:45	73	272	89	294	566	23:45	27	111	11	62	173
TOTALS	1559	1691			3250	TOTALS	2956	2854			5810
SPLIT %	48.0%	52.0%			35.9%	SPLIT %	50.9%	49.1%			64.1%

DAILY TOTALS						NB	SB	EB		WB	Total
						4,515	4,545	0		0	9,060
AM Peak Hour	11:30	11:15			11:30	PM Peak Hour	16:15	16:00		16:15	
AM Pk Volume	295	327			613	PM Pk Volume	368	472		803	
Pk Hr Factor	0.910	0.919			0.946	Pk Hr Factor	0.844	0.855		0.904	
7 - 9 Volume	390	448	0	0	838	4 - 6 Volume	654	768	0	0	1422
7 - 9 Peak Hour	07:00	07:45			07:15	4 - 6 Peak Hour	16:15	16:00		16:15	
7 - 9 Pk Volume	210	239	0	0	442	4 - 6 Pk Volume	368	472	0	0	803
Pk Hr Factor	0.833	0.807	0.000	0.000	0.807	Pk Hr Factor	0.844	0.855	0.000	0.000	0.904

VOLUME

Valley Center Rd 500' S/O Mazzetti Ln

Day: Wednesday
Date: 7/17/2019

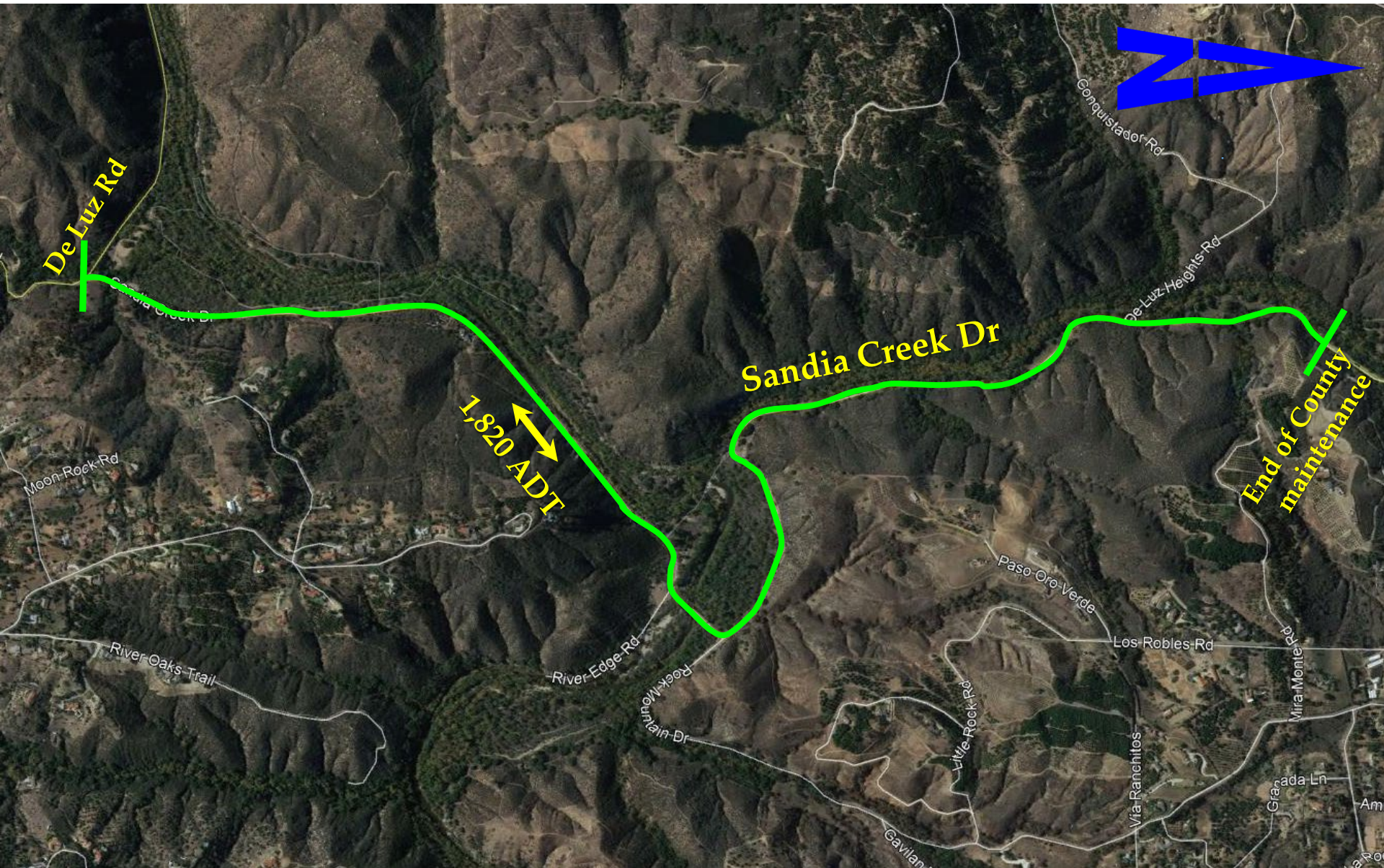
City: Valley Center
Project #: CA19_4287_003

DAILY TOTALS					NB	SB	EB					WB	Total
					4,285	4,201	0					0	8,486
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL		
00:00	12	5	0	0	17	12:00	53	70	0	0	123		
00:15	12	8	0	0	20	12:15	67	64	0	0	131		
00:30	22	3	0	0	25	12:30	39	72	0	0	111		
00:45	14	60	5	21	19	12:45	53	212	81	287	134	499	
01:00	15	6	0	0	21	13:00	78	77	0	0	155		
01:15	9	7	0	0	16	13:15	54	86	0	0	140		
01:30	13	11	0	0	24	13:30	54	63	0	0	117		
01:45	9	46	2	26	11	13:45	67	253	66	292	133	545	
02:00	14	4	0	0	18	14:00	73	65	0	0	138		
02:15	10	4	0	0	14	14:15	60	60	0	0	120		
02:30	10	8	0	0	18	14:30	79	69	0	0	148		
02:45	7	41	6	22	13	14:45	69	281	54	248	123	529	
03:00	10	6	0	0	16	15:00	73	74	0	0	147		
03:15	11	5	0	0	16	15:15	60	50	0	0	110		
03:30	11	12	0	0	23	15:30	83	72	0	0	155		
03:45	6	38	6	29	12	15:45	78	294	77	273	155	567	
04:00	7	4	0	0	11	16:00	85	103	0	0	188		
04:15	3	8	0	0	11	16:15	80	104	0	0	184		
04:30	6	10	0	0	16	16:30	94	120	0	0	214		
04:45	6	22	12	34	18	16:45	98	357	71	398	169	755	
05:00	13	16	0	0	29	17:00	90	60	0	0	150		
05:15	12	23	0	0	35	17:15	73	58	0	0	131		
05:30	27	24	0	0	51	17:30	80	80	0	0	160		
05:45	30	82	33	96	63	17:45	58	301	47	245	105	546	
06:00	44	48	0	0	92	18:00	58	58	0	0	116		
06:15	41	69	0	0	110	18:15	58	43	0	0	101		
06:30	62	71	0	0	133	18:30	77	49	0	0	126		
06:45	51	198	48	236	99	18:45	57	250	47	197	104	447	
07:00	47	64	0	0	111	19:00	58	44	0	0	102		
07:15	51	54	0	0	105	19:15	69	36	0	0	105		
07:30	76	66	0	0	142	19:30	54	25	0	0	79		
07:45	43	217	80	264	123	19:45	49	230	35	140	84	370	
08:00	67	57	0	0	124	20:00	49	38	0	0	87		
08:15	34	48	0	0	82	20:15	39	26	0	0	65		
08:30	40	68	0	0	108	20:30	45	33	0	0	78		
08:45	40	181	62	235	102	20:45	43	176	35	132	78	308	
09:00	44	54	0	0	98	21:00	64	46	0	0	110		
09:15	40	49	0	0	89	21:15	40	26	0	0	66		
09:30	43	64	0	0	107	21:30	47	31	0	0	78		
09:45	46	173	54	221	100	21:45	40	191	28	131	68	322	
10:00	48	50	0	0	98	22:00	36	39	0	0	75		
10:15	42	59	0	0	101	22:15	43	26	0	0	69		
10:30	68	67	0	0	135	22:30	28	25	0	0	53		
10:45	55	213	66	242	121	22:45	26	133	17	107	43	240	
11:00	61	57	0	0	118	23:00	33	22	0	0	55		
11:15	56	57	0	0	113	23:15	27	12	0	0	39		
11:30	42	85	0	0	127	23:30	25	15	0	0	40		
11:45	72	231	68	267	140	23:45	20	105	9	58	29	163	
TOTALS	1502	1693			3195	TOTALS	2783	2508			5291		
SPLIT %	47.0%	53.0%			37.7%	SPLIT %	52.6%	47.4%			62.3%		

DAILY TOTALS					NB	SB					EB	WB	Total
					4,285	4,201					0	0	8,486
AM Peak Hour	10:30	11:30			11:30	PM Peak Hour	16:15	15:45			16:00		
AM Pk Volume	240	287			521	PM Pk Volume	362	404			755		
Pk Hr Factor	0.882	0.844			0.930	Pk Hr Factor	0.923	0.842			0.882		
7 - 9 Volume	398	499	0	0	897	4 - 6 Volume	658	643	0	0	1301		
7 - 9 Peak Hour	07:15	07:00			07:15	4 - 6 Peak Hour	16:15	16:00			16:00		
7 - 9 Pk Volume	237	264	0	0	494	4 - 6 Pk Volume	362	398	0	0	755		
Pk Hr Factor	0.780	0.825	0.000	0.000	0.870	Pk Hr Factor	0.923	0.829	0.000	0.000	0.882		

5-B. Weight Restriction

**Sandia Creek Rd from De Luz Rd to end of County maintenance
(2.61 mi)**



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: June 12, 2020

Item 5-B

SUPERVISORIAL DISTRICT: 5

SUBJECT: Weight Restriction

LOCATION: Sandia Creek Road from De Luz Road to end of County maintenance (a distance of 2.61 miles)
FALLBROOK (Thos. Bros. 997-F7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Commercial Weight Restriction

PROBLEM AS STATED BY REQUESTER:

Sandia Creek Road from De Luz Road to End of County Maintenance is a residential area as defined in the County Traffic Guidelines. Large commercial vehicles have used this roadway as an alternative route to Interstate 15 and East Mission Road. The narrow roadway is substandard for large vehicle traffic, being.

Existing Traffic Devices

Sandia Creek Road is a striped two-lane local roadway 25-feet in width. The roadway is striped with a no passing centerline. There are speed advisory curves along the segment. The roadway is classified as a Minor Collector (2.3C) in the County General Plan Mobility Element Network primarily intended for residential neighborhoods or for rural areas with steep slopes and physical constraints. The roadway has a 55 MPH unposted speed zone.

Average Daily Traffic Volumes

08/19

Sandia Creek Road:

3,000' N/o Rock Mountain Drive 1,820

Truck Survey

08/13/19 (12:00am to 11:59pm)

08/14/19 (12:00am to 11:59pm)

2 Axle Trucks	3	3
3 Axle Trucks	8	10
4 Axle Trucks	1	0
5 Axle Trucks	0	0
6 Axle Trucks	0	1

Collision Data

There have been 13 reported collisions along this segment of roadway, none of which involved a truck, in a 3 year period (01-01-17 to 12-31-19). These collisions result in a segment accident rate of 2.51 collisions per million vehicle miles. The statewide average is 1.26 collisions per million vehicle miles for similar rural conventional rolling 2 lanes or less with speeds less than or equal to 55 mile per hour.



County of San Diego

BRIAN ALBRIGHT
DIRECTOR

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

COUNTY TRAFFIC ENGINEER RECOMMENDATION

Date: May 27, 2020

Item Title: Weight Restriction

Location: Sandia Creek Drive

CTE Recommendation: Establish Commercial Weight Restriction

Conditions:

- California Vehicle Code (CVC) Sections 35712 and 35715 state that a County may, by ordinance, prohibit commercial vehicle exceeding a gross weight of 14,000 pounds for using a residential or subdivision area roadways and a truck Route designation and signage have to be established before the Ordinance is effective.
- The County Traffic Guidelines adopted by the Board of Supervisor on March 4, 2015 (Resolution 15-021) provides a description of a residential area where a roadway is predominately abutting residential units.
- Sandia Creek Drive is within a residential area as defined by the County Traffic Guidelines and its geometric alignment is substandard for truck traffic.
- An alternate truck route is hereby, identified as East Mission Road to Interstate 15 as required by the CVC Section 35715.

- Therefore, a commercial weight restriction of 14,000 pounds should be established for Sandia Creek Drive from De Luz Road north to the End of County Maintenance.

VOLUME

Sandia Creek Dr 3000' N/O Rock Mountain Dr

Day: Tuesday
Date: 8/13/2019

City: Fallbrook
Project #: CA19_4311_002

DAILY TOTALS					NB	SB						EB	WB	Total
					1,345	485						0	0	1,830
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL		
00:00	0	0	0	0			12:00	6	4	0	0	10		
00:15	0	0	0	0			12:15	8	4	0	0	12		
00:30	0	0	0	0			12:30	2	8	0	0	10		
00:45	0	0	0	0			12:45	4	20	2	18	6	38	
01:00	0	0	0	0			13:00	7	3	0	0	10		
01:15	0	0	0	0			13:15	4	7	0	0	11		
01:30	0	0	0	0			13:30	4	5	0	0	9		
01:45	0	0	0	0			13:45	11	26	4	19	15	45	
02:00	0	0	0	0			14:00	8	4	0	0	12		
02:15	0	0	0	0			14:15	15	9	0	0	24		
02:30	1	0	0	0	1		14:30	18	5	0	0	23		
02:45	0	1	0	0	1		14:45	17	58	11	29	28	87	
03:00	0	1	0	0	1		15:00	37	7	0	0	44		
03:15	0	1	0	0	1		15:15	48	8	0	0	56		
03:30	0	0	0	0			15:30	53	9	0	0	62		
03:45	0	0	2	0	2		15:45	80	218	9	33	89	251	
04:00	0	0	0	0			16:00	95	4	0	0	99		
04:15	0	1	0	0	1		16:15	94	7	0	0	101		
04:30	1	3	0	0	4		16:30	115	1	0	0	116		
04:45	2	3	2	6	4	9	16:45	117	421	4	16	121	437	
05:00	1	5	0	0	6		17:00	112	7	0	0	119		
05:15	2	6	0	0	8		17:15	105	4	0	0	109		
05:30	10	5	0	0	15		17:30	86	2	0	0	88		
05:45	12	25	21	37	33	62	17:45	61	364	2	15	63	379	
06:00	5	37	0	0	42		18:00	17	1	0	0	18		
06:15	6	38	0	0	44		18:15	33	3	0	0	36		
06:30	4	41	0	0	45		18:30	15	2	0	0	17		
06:45	10	25	27	143	37	168	18:45	4	69	6	12	10	81	
07:00	6	18	0	0	24		19:00	9	1	0	0	10		
07:15	3	19	0	0	22		19:15	5	6	0	0	11		
07:30	3	11	0	0	14		19:30	3	2	0	0	5		
07:45	3	15	10	58	13	73	19:45	1	18	3	12	4	30	
08:00	9	5	0	0	14		20:00	1	3	0	0	4		
08:15	4	9	0	0	13		20:15	3	2	0	0	5		
08:30	3	3	0	0	6		20:30	1	1	0	0	2		
08:45	2	18	2	19	4	37	20:45	2	7	1	7	3	14	
09:00	3	2	0	0	5		21:00	0	3	0	0	3		
09:15	3	3	0	0	6		21:15	0	2	0	0	2		
09:30	4	2	0	0	6		21:30	0	1	0	0	1		
09:45	4	14	4	11	8	25	21:45	3	3	1	7	4	10	
10:00	4	6	0	0	10		22:00	1	1	0	0	2		
10:15	10	5	0	0	15		22:15	1	0	0	0	1		
10:30	3	4	0	0	7		22:30	2	1	0	0	3		
10:45	3	20	8	23	11	43	22:45	2	6	0	2	2	8	
11:00	3	1	0	0	4		23:00	0	2	0	0	2		
11:15	1	6	0	0	7		23:15	1	1	0	0	2		
11:30	5	3	0	0	8		23:30	1	0	0	0	1		
11:45	3	12	3	13	6	25	23:45	0	2	0	3	0	5	
TOTALS	133	312			445		TOTALS	1212	173			1385		
SPLIT %	29.9%	70.1%			24.3%		SPLIT %	87.5%	12.5%			75.7%		

DAILY TOTALS					NB	SB						EB	WB	Total
					1,345	485						0	0	1,830
AM Peak Hour	05:30	06:00		06:00			PM Peak Hour	16:30	14:45		16:30			
AM Pk Volume	33	143		168			PM Pk Volume	449	35		465			
Pk Hr Factor	0.688	0.872		0.933			Pk Hr Factor	0.959	0.795		0.961			
7 - 9 Volume	33	77	0	110			4 - 6 Volume	785	31	0	816			
7 - 9 Peak Hour	07:30	07:00		07:00			4 - 6 Peak Hour	16:30	16:15		16:30			
7 - 9 Pk Volume	19	58	0	73			4 - 6 Pk Volume	449	19	0	465			
Pk Hr Factor	0.528	0.763	0.000	0.000	0.760		Pk Hr Factor	0.959	0.679	0.000	0.961			

VOLUME

Sandia Creek Dr 3000' N/O Rock Mountain Dr

Day: Wednesday

Date: 8/14/2019

City: Fallbrook

Project #: CA19_4311_002

DAILY TOTALS						DAILY TOTALS						Total
												1,809
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00	0	0	0	0		12:00	2	5	0	0	7	
00:15	1	0	0	0	1	12:15	4	6	0	0	10	
00:30	0	1	0	0	1	12:30	1	6	0	0	7	
00:45	0	1	0	1	2	12:45	6	13	8	25	49	38
01:00	1	0	0	0	1	13:00	8	3	0	0	11	
01:15	1	1	0	0	2	13:15	10	7	0	0	17	
01:30	0	0	0	0	0	13:30	7	1	0	0	8	
01:45	1	3	0	1	4	13:45	8	33	5	16	59	49
02:00	0	0	0	0		14:00	9	4	0	0	13	
02:15	0	0	0	0		14:15	14	6	0	0	20	
02:30	0	0	0	0		14:30	18	3	0	0	21	
02:45	0	0	0	0		14:45	25	66	10	23	124	89
03:00	0	0	0	0		15:00	26	12	0	0	38	
03:15	0	0	0	0		15:15	48	4	0	0	52	
03:30	0	0	0	0		15:30	69	6	0	0	75	
03:45	0	0	0	0		15:45	67	210	4	26	307	236
04:00	0	0	0	0		16:00	112	11	0	0	123	
04:15	0	0	0	0		16:15	85	2	0	0	87	
04:30	1	6	0	0	7	16:30	103	3	0	0	106	
04:45	1	2	0	6	8	16:45	107	407	4	20	538	427
05:00	2	3	0	0	5	17:00	114	5	0	0	119	
05:15	3	7	0	0	10	17:15	97	8	0	0	105	
05:30	5	4	0	0	9	17:30	86	4	0	0	90	
05:45	5	15	15	29	44	17:45	64	361	5	22	452	383
06:00	6	25	0	0	31	18:00	27	3	0	0	30	
06:15	3	23	0	0	26	18:15	28	2	0	0	30	
06:30	13	29	0	0	42	18:30	15	3	0	0	18	
06:45	3	25	20	97	122	18:45	12	82	5	13	112	95
07:00	4	19	0	0	23	19:00	6	3	0	0	9	
07:15	4	10	0	0	14	19:15	4	6	0	0	10	
07:30	8	7	0	0	15	19:30	5	2	0	0	7	
07:45	7	23	6	42	65	19:45	5	20	2	13	40	33
08:00	5	9	0	0	14	20:00	4	1	0	0	5	
08:15	11	7	0	0	18	20:15	4	1	0	0	5	
08:30	6	6	0	0	12	20:30	1	0	0	0	1	
08:45	4	26	8	30	56	20:45	0	9	1	3	13	12
09:00	4	5	0	0	9	21:00	1	0	0	0	1	
09:15	4	11	0	0	15	21:15	4	2	0	0	6	
09:30	7	4	0	0	11	21:30	1	2	0	0	3	
09:45	7	22	3	23	45	21:45	4	10	1	5	20	15
10:00	1	6	0	0	7	22:00	1	0	0	0	1	
10:15	5	4	0	0	9	22:15	3	0	0	0	3	
10:30	7	4	0	0	11	22:30	0	0	0	0	0	
10:45	2	15	4	18	33	22:45	1	5	0	0	6	5
11:00	6	4	0	0	10	23:00	1	0	0	0	1	
11:15	7	5	0	0	12	23:15	0	0	0	0	0	
11:30	9	4	0	0	13	23:30	0	0	0	0	0	
11:45	9	31	3	16	47	23:45	0	1	0	0	1	
TOTALS	163	263			426	TOTALS	1217	166			1383	
SPLIT %	38.3%	61.7%			23.5%	SPLIT %	88.0%	12.0%			76.5%	

DAILY TOTALS	NB	SB	EB		WB	Total
	1,380	429	0	0		1,809

CLASSIFICATION

Sandia Creek Dr 3000' N/O Rock Mountain Dr

Day: Tuesday

Date: 8/13/2019

City: Fallbrook

Project #: CA19_4311_002

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
05:00	0	60	2	0	0	0	0	0	0	0	0	0	0	62
06:00	0	165	2	1	0	0	0	0	0	0	0	0	0	168
07:00	2	68	2	1	0	0	0	0	0	0	0	0	0	73
08:00	0	33	3	0	1	0	0	0	0	0	0	0	0	37
09:00	2	19	4	0	0	0	0	0	0	0	0	0	0	25
10:00	3	34	3	1	0	2	0	0	0	0	0	0	0	43
11:00	0	23	1	0	1	0	0	0	0	0	0	0	0	25
12:00 PM	2	31	4	0	0	1	0	0	0	0	0	0	0	38
13:00	0	44	1	0	0	0	0	0	0	0	0	0	0	45
14:00	2	80	4	0	0	1	0	0	0	0	0	0	0	87
15:00	2	241	4	1	1	1	1	0	0	0	0	0	0	251
16:00	5	427	5	0	0	0	0	0	0	0	0	0	0	437
17:00	5	369	5	0	0	0	0	0	0	0	0	0	0	379
18:00	4	72	4	0	0	1	0	0	0	0	0	0	0	81
19:00	1	29	0	0	0	0	0	0	0	0	0	0	0	30
20:00	0	14	0	0	0	0	0	0	0	0	0	0	0	14
21:00	1	9	0	0	0	0	0	0	0	0	0	0	0	10
22:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8
23:00	0	3	0	0	0	2	0	0	0	0	0	0	0	5
Totals	29	1740	45	4	3	8	1							1830
% of Totals	2%	95%	2%	0%	0%	0%	0%							100%

AM Volumes	7	413	18	3	2	2	0	0	0	0	0	0	0	445
% AM	0%	23%	1%	0%	0%	0%								24%
AM Peak Hour	10:00	06:00	09:00	06:00	08:00	10:00								06:00
Volume	3	165	4	1	1	2								168
PM Volumes	22	1327	27	1	1	6	1	0	0	0	0	0	0	1385
% PM	1%	73%	1%	0%	0%	0%	0%							76%
PM Peak Hour	16:00	16:00	16:00	15:00	15:00	23:00	15:00							16:00
Volume	5	427	5	1	1	2	1							437
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Classes		Volume	%	Volume	%	Volume	%	Volume	%					
		110	6%	83	5%	816	45%	821	45%					
		↔		↔		↔		↔						

Classification Definitions

1 Motorcycles	4 Buses	7 >=4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	

CLASSIFICATION

Sandia Creek Dr 3000' N/O Rock Mountain Dr

Day: Wednesday

Date: 8/14/2019

City: Fallbrook

Project #: CA19_4311_002

Summary

Time	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	# 10	# 11	# 12	# 13	Total
00:00 AM	0	1	0	0	0	0	0	0	1	0	0	0	0	2
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
05:00	2	42	0	0	0	0	0	0	0	0	0	0	0	44
06:00	1	118	1	1	0	1	0	0	0	0	0	0	0	122
07:00	1	57	5	1	0	1	0	0	0	0	0	0	0	65
08:00	1	50	3	0	0	2	0	0	0	0	0	0	0	56
09:00	0	39	5	0	0	1	0	0	0	0	0	0	0	45
10:00	1	30	1	0	0	1	0	0	0	0	0	0	0	33
11:00	1	44	1	1	0	0	0	0	0	0	0	0	0	47
12:00 PM	3	31	2	0	2	0	0	0	0	0	0	0	0	38
13:00	3	43	1	0	1	1	0	0	0	0	0	0	0	49
14:00	1	78	7	1	0	2	0	0	0	0	0	0	0	89
15:00	3	227	6	0	0	0	0	0	0	0	0	0	0	236
16:00	4	415	7	0	0	1	0	0	0	0	0	0	0	427
17:00	6	369	8	0	0	0	0	0	0	0	0	0	0	383
18:00	6	88	1	0	0	0	0	0	0	0	0	0	0	95
19:00	1	32	0	0	0	0	0	0	0	0	0	0	0	33
20:00	1	11	0	0	0	0	0	0	0	0	0	0	0	12
21:00	0	15	0	0	0	0	0	0	0	0	0	0	0	15
22:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Totals	35	1706	50	4	3	10			1					1809
% of Totals	2%	94%	3%	0%	0%	1%			0%					100%

AM Volumes	7	391	18	3	0	6	0	0	1	0	0	0	0	426
% AM	0%	22%	1%	0%		0%			0%					24%
AM Peak Hour	05:00	06:00	07:00	06:00		08:00								06:00
Volume	2	118	5	1		2			1					122
PM Volumes	28	1315	32	1	3	4	0	0	0	0	0	0	0	1383
% PM	2%	73%	2%	0%	0%	0%								76%
PM Peak Hour	17:00	16:00	17:00	14:00	12:00	14:00								16:00
Volume	6	415	8	1	2	2								427
Directional Peak Periods		AM 7-9		NOON 12-2		PM 4-6		Off Peak Volumes						
All Classes		Volume	%	Volume	%	Volume	%	Volume	%					
		121	7%	87	5%	810	45%	791	44%					
		↔		↔		↔		↔						

Classification Definitions

1 Motorcycles	4 Buses	7 >=4-Axle Single Units	10 >=6-Axle Single Trailers	13 >=7-Axle Multi-Trailers
2 Passenger Cars	5 2-Axle, 6-Tire Single Units	8 <=4-Axle Single Trailers	11 <=5-Axle Multi-Trailers	
3 2-Axle, 4-Tire Single Units	6 3-Axle Single Units	9 5-Axle Single Trailers	12 6-Axle Multi-Trailers	