

## 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

Automobile Club of Southern  
California  
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  
San Diego County Pacific Safety  
Council  
San Diego County  
Sheriff's Department

October 17, 2017

TO: Community Planning/Sponsor Group Chairpersons

FROM: Secretary, Traffic Advisory Committee

### MEETING NOTICE

Attached is the preliminary agenda for the October 27, 2017, meeting of the Traffic Advisory Committee (TAC). The meeting will begin at 9:00 AM in the following location:

Department of Public Works  
Fourth Floor, Room 451  
5510 Overland Avenue  
San Diego, CA 92123

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**

**October 27, 2017 ~ 9:00 AM**

**5510 Overland Ave, Room 451**

**San Diego CA, 92123**

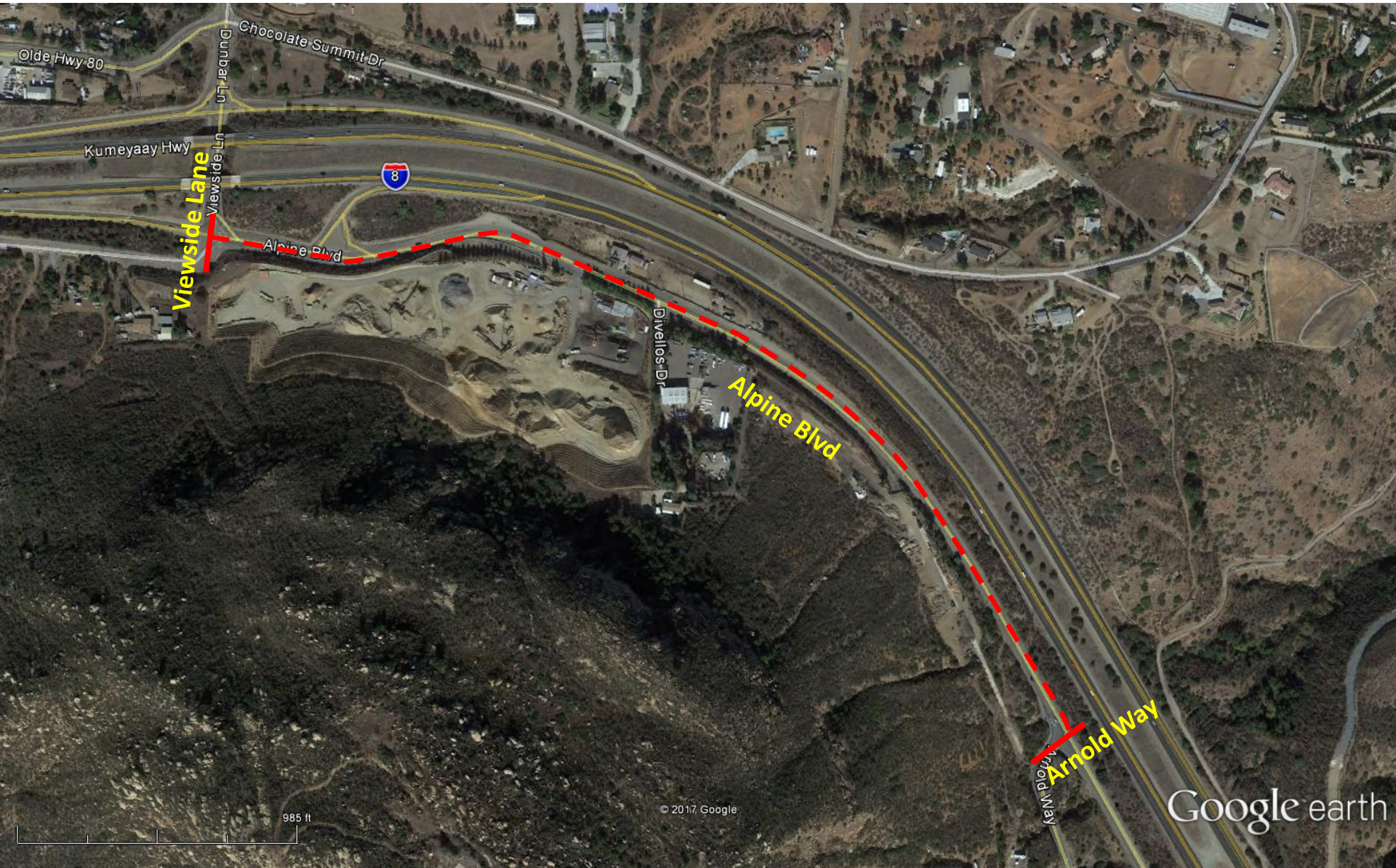
**AGENDA**

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

<b>SUBJECT</b>	<b>LOCATION</b>	<b>AREA</b>	<b>PLANNING/ SPONSOR GROUP</b>
<b><u>SUPERVISORIAL DISTRICT 2</u></b>			
<b>2-A. RADAR RECERTIFICATION</b>	<b>ALPINE BLVD</b>	<b>ALPINE</b>	<b>ALPINE</b>
<b>2-B. SPEED LIMIT/ RADAR CERTIFICATION</b>	<b>ARNOLD WY</b>	<b>ALPINE</b>	<b>ALPINE</b>
<b>2-C. SPEED LIMIT/ RADAR CERTIFICATION</b>	<b>ARNOLD WY</b>	<b>ALPINE</b>	<b>ALPINE</b>
<b>2-D. RADAR RECERTIFICATION</b>	<b>HIGHWAY 8 BUSINESS</b>	<b>LAKESIDE</b>	<b>LAKESIDE</b>
<b><u>SUPERVISORIAL DISTRICT 3</u></b>			
<b>3-A. SPEED LIMIT/ RADAR CERTIFICATION</b>	<b>BEAR VALLEY RD</b>	<b>ESCONDIDO</b>	<b>N/A</b>
<b><u>SUPERVISORIAL DISTRICT 5</u></b>			
<b>5-A. SPEED LIMIT/ RADAR CERTIFICATION</b>	<b>RICE CANYON RD</b>	<b>FALLBROOK/ PALA PAUMA/ RAINBOW</b>	<b>FALLBROOK/ PALA PAUMA/ RAINBOW</b>
<b>5-B. INTERSECTION CONTROL</b>	<b>RICE CANYON RD &amp; RAINBOW HEIGHTS RD</b>	<b>RAINBOW</b>	<b>RAINBOW</b>



## 2-A. Radar Recertification Alpine Boulevard from Viewside Lane to Arnold Way (0.66 miles)



## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017 **Item 2-A**

**SUPERVISORIAL DISTRICT:** 2

**SUBJECT:** Radar Recertification

**LOCATION:** Alpine Boulevard from Viewside Lane to Arnold Way  
(0.66 miles) ALPINE (Thos. Bros. 1233-E3)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Radar Recertification

### **PROBLEM AS STATED BY REQUESTER:**

Alpine Boulevard from Viewside Lane to Arnold Way is posted 45 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

### **DATA:**

#### **Existing Traffic Devices**

Alpine Boulevard is a striped two-lane Through Highway that varies from 28 to 54 feet wide. There are bike lanes on both sides of the roadway. The road is classified as a Major Road on the County General Plan Mobility Element Network. The road is posted 45 MPH/Radar Enforced.

<b><u>Average Daily Traffic Volumes</u></b>	<b><u>3/17</u></b>	<b><u>10/09</u></b>
Alpine Boulevard: W/o Arnold Way	9,130	8,640

<b><u>Speed Data</u></b>		<b><u>85th Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Alpine Boulevard:				
600' E/o DiVellos Dr	(2017)	47.0 MPH	40-49	98.0%
	(2010)	47.4 MPH	39-48	72.2%

#### **Collision Data**

There have been seven reported collisions along this segment of roadway, two of which involved injury, in a five year, six month period (1-1-12 to 6-30-17). These collisions result in a segment accident rate of 0.58 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2-lane roads with speeds between 45 and 55 mile per hour.



**VOLUME**

Alpine Blvd W/O Arnold Way

Day: Tuesday  
Date: 3/21/2017City: Alpine  
Project #: CA17\_4065\_001

DAILY TOTALS					NB	SB	EB				WB				Total	
					0	0									4,690	
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL				
00:00			8	4	12		12:00			58	57	115				
00:15			5	1	6		12:15			77	54	131				
00:30			5	0	5		12:30			53	52	105				
00:45			2	20	5	10	12:45			71	259	63	226	134	485	
01:00			1	2	3		13:00			68	47	115				
01:15			5	4	9		13:15			85	47	132				
01:30			3	6	9		13:30			97	52	149				
01:45			3	12	0	12	13:45			78	328	66	212	144	540	
02:00			3	1	4		14:00			78	73	151				
02:15			3	2	5		14:15			107	61	168				
02:30			4	8	12		14:30			91	74	165				
02:45			3	13	5	16	14:45			105	381	68	276	173	657	
03:00			0	1	1		15:00			94	99	193				
03:15			2	0	2		15:15			98	74	172				
03:30			2	3	5		15:30			146	84	230				
03:45			3	7	6	10	15:45			123	461	60	317	183	778	
04:00			4	5	9		16:00			113	64	177				
04:15			1	15	16		16:15			132	52	184				
04:30			3	17	20		16:30			144	81	225				
04:45			4	12	30	67	16:45			134	523	54	251	188	774	
05:00			1	31	32		17:00			126	58	184				
05:15			10	41	51		17:15			131	57	188				
05:30			9	67	76		17:30			120	68	188				
05:45			22	42	68	207	17:45			122	499	45	228	167	727	
06:00			16	86	102		18:00			111	41	152				
06:15			29	108	137		18:15			87	43	130				
06:30			31	119	150		18:30			97	40	137				
06:45			40	116	107	420	18:45			71	366	23	147	94	513	
07:00			35	103	138		19:00			71	43	114				
07:15			30	134	164		19:15			56	41	97				
07:30			29	167	196		19:30			63	17	80				
07:45			55	149	112	516	19:45			53	243	15	116	68	359	
08:00			42	103	145		20:00			41	22	63				
08:15			72	92	164		20:15			59	19	78				
08:30			79	116	195		20:30			50	21	71				
08:45			78	271	121	432	20:45			30	180	18	80	48	260	
09:00			51	99	150		21:00			38	9	47				
09:15			43	114	157		21:15			33	11	44				
09:30			39	71	110		21:30			30	7	37				
09:45			49	182	70	354	21:45			15	116	6	33	21	149	
10:00			51	67	118		22:00			22	11	33				
10:15			44	58	102		22:15			24	7	31				
10:30			39	64	103		22:30			9	4	13				
10:45			49	183	56	245	22:45			14	69	7	29	21	98	
11:00			48	48	96		23:00			15	8	23				
11:15			49	60	109		23:15			10	3	13				
11:30			51	51	102		23:30			12	5	17				
11:45			64	212	57	216	23:45			9	46	6	22	15	68	
TOTALS			1219		2505		3724	TOTALS		3471		1937		5408		
SPLIT %			32.7%		67.3%		40.8%	SPLIT %		64.2%		35.8%		59.2%		

DAILY TOTALS					NB	SB					EB	WB	Total
					0	0					4,690	4,442	9,132
AM Peak Hour			08:15	07:00	08:15	PM Peak Hour			16:15	14:45	16:30		
AM Pk Volume			280	516	708	PM Pk Volume			536	325	785		
Pk Hr Factor			0.886	0.772	0.889	Pk Hr Factor			0.931	0.821	0.872		
7 - 9 Volume			420	948	1368	4 - 6 Volume			1022	479	1501		
7 - 9 Peak Hour			08:00	07:00	08:00	4 - 6 Peak Hour			16:15	16:00	16:30		
7 - 9 Pk Volume			271	516	703	4 - 6 Pk Volume			536	251	785		
Pk Hr Factor			0.858	0.772	0.883	Pk Hr Factor			0.931	0.775	0.872		

# Spot Speed Study

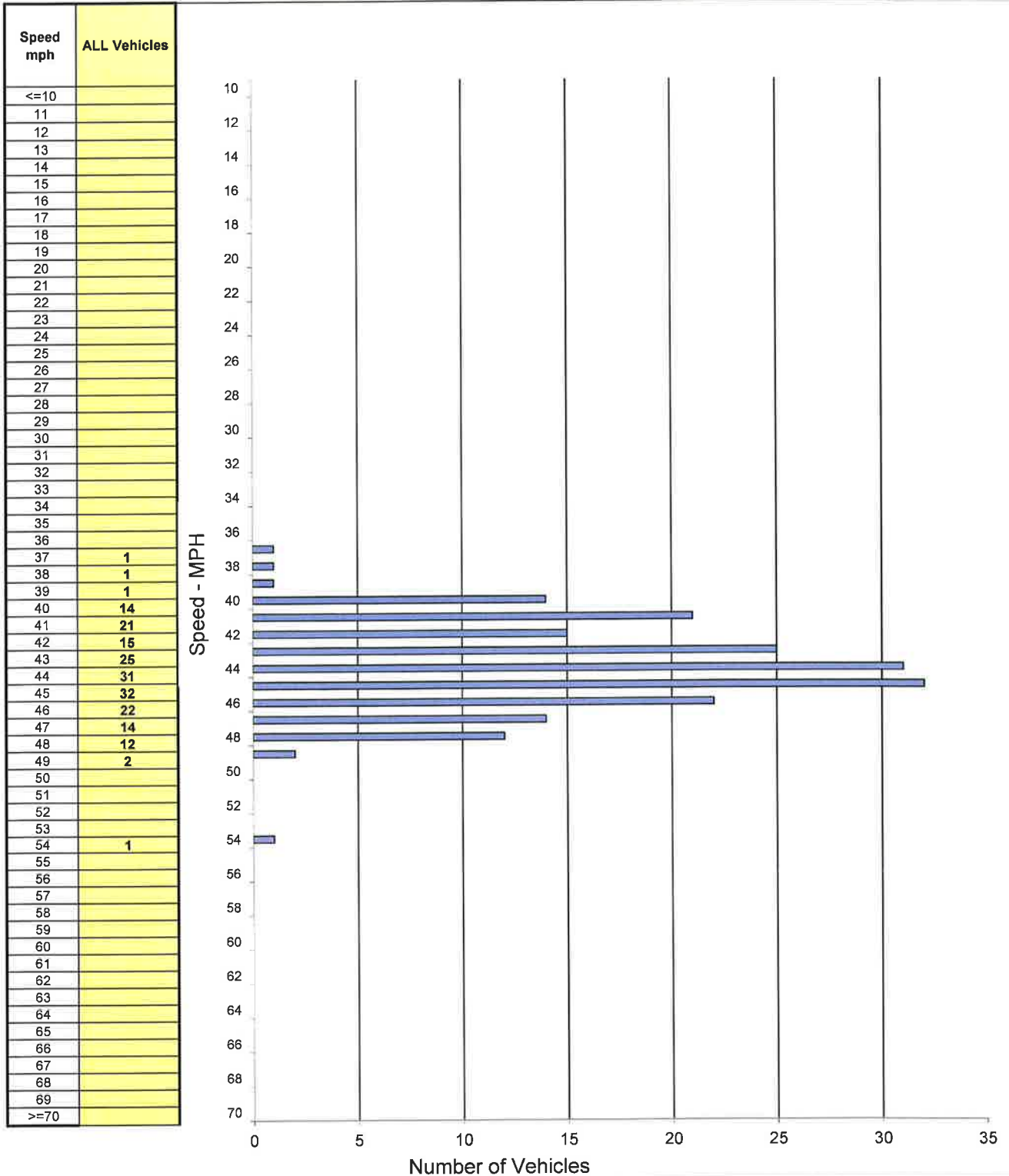
Prepared by: National Data & Surveying Services

## City of Alpine

DATE: 3/14/2017  
TIME: 09:00-11:00

Location: Alpine Blvd 600' E/O Divellos Dr  
Posted Speed: 45 MPH Clear/Dry Project #: 17-4064-001

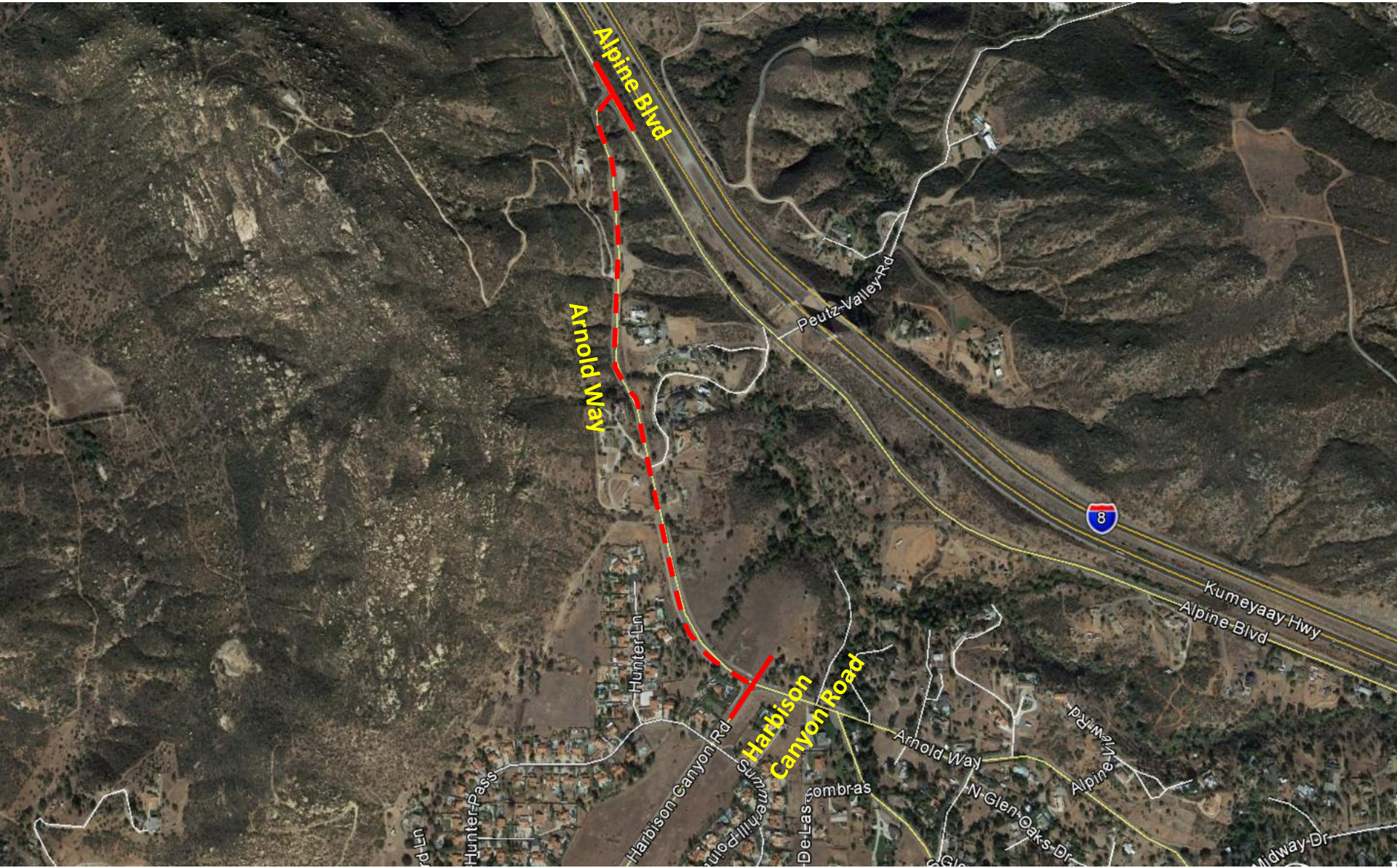
### Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	192	37 - 54	44 mph	47 mph	40 - 49	188	98%	1% / 3	1% / 1



## 2-B. Speed Limit/Radar Certification Arnold Way from Alpine Boulevard to Harbison Canyon Road (.76 miles)



## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017 **Item 2-B**

**SUPERVISORIAL DISTRICT:** 2

**SUBJECT:** Speed Limit/Radar Certification

**LOCATION:** Arnold Way from Alpine Boulevard to Harbison Canyon Road (0.76 miles) ALPINE (Thos. Bros. 1233-F4)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Speed Limit Review

### **PROBLEM AS STATED BY REQUESTER:**

Arnold Way from Alpine Boulevard to Harbison Canyon Road has an unposted 55MPH statewide maximum speed limit. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 45 MPH.

### **DATA:**

#### **Existing Traffic Devices**

Arnold Way is a striped two-lane roadway that varies from 24 to 52 feet wide. There are all-way stop controls at the intersections of Alpine Boulevard to the north and Harbison Canyon Road on the southern end of this segment. The road is classified as Light Collector on the County General Plan Mobility Element Network.

#### **Average Daily Traffic Volumes**

**9/17**

Arnold Way:

@ 150 ft S/o Alpine Blvd

8,530\* estimated

<b><u>Speed Data</u></b>	<b><u>85th Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Arnold Way: 1,500' S/o Alpine Blvd (2017)	45.0 MPH	37-46	86.0%

#### **Collision Data**

There have been eight reported collisions along this segment of roadway, three of which involved injury, in a five year, six month period (1-1-12 to 6-30-17). These collisions result in a segment accident rate of 0.62 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2-lane roads with speeds between 45 and 55 mile per hour.



# Spot Speed Study

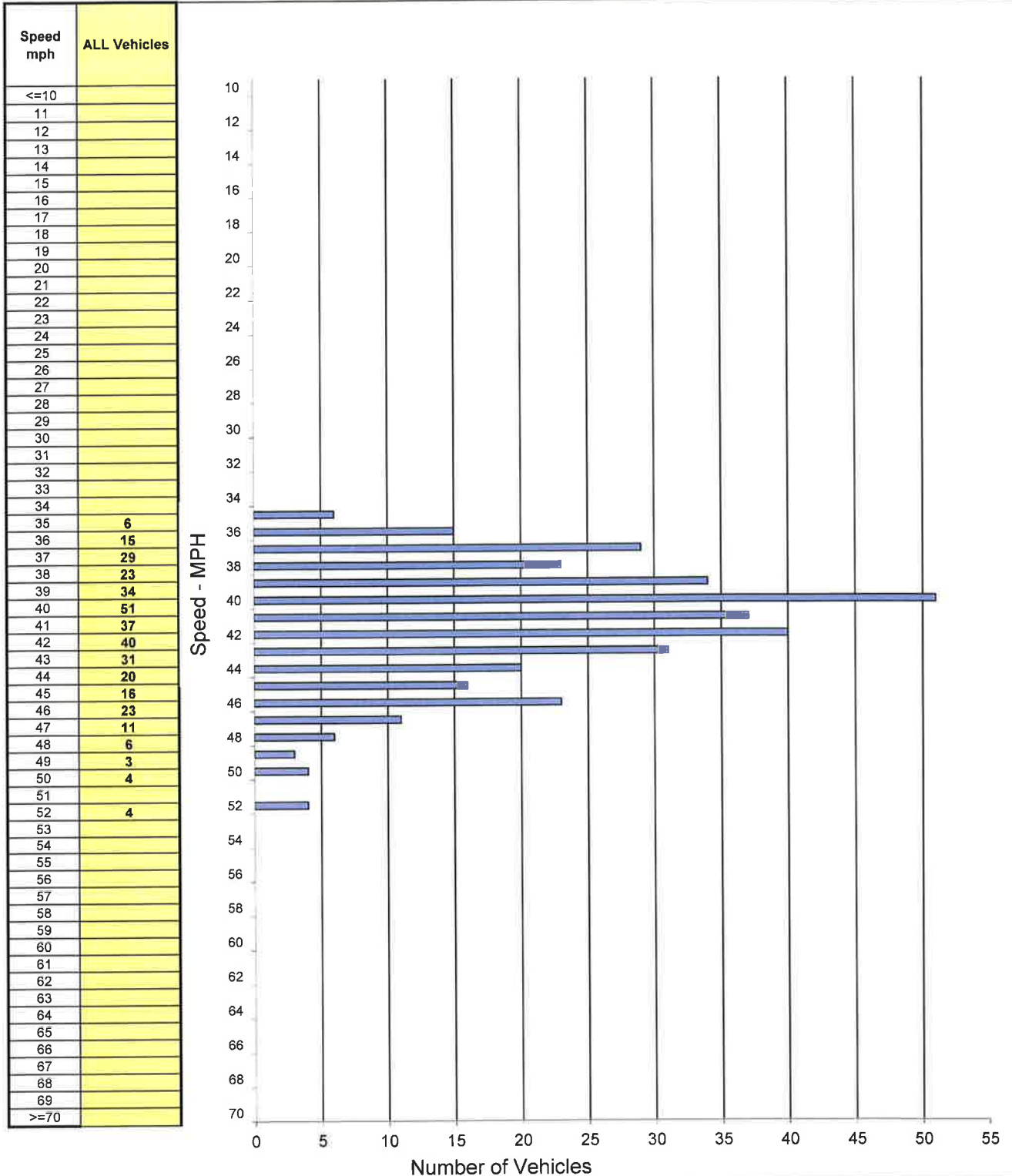
Prepared by: National Data & Surveying Services

## City of Alpine

DATE: 5/18/2017  
TIME: 13:00-15:00

Location: Arnold Way 1,500' S/O Alpine Blvd  
Posted Speed: 40 MPH Clear/Dry Project #: 17-4189-003

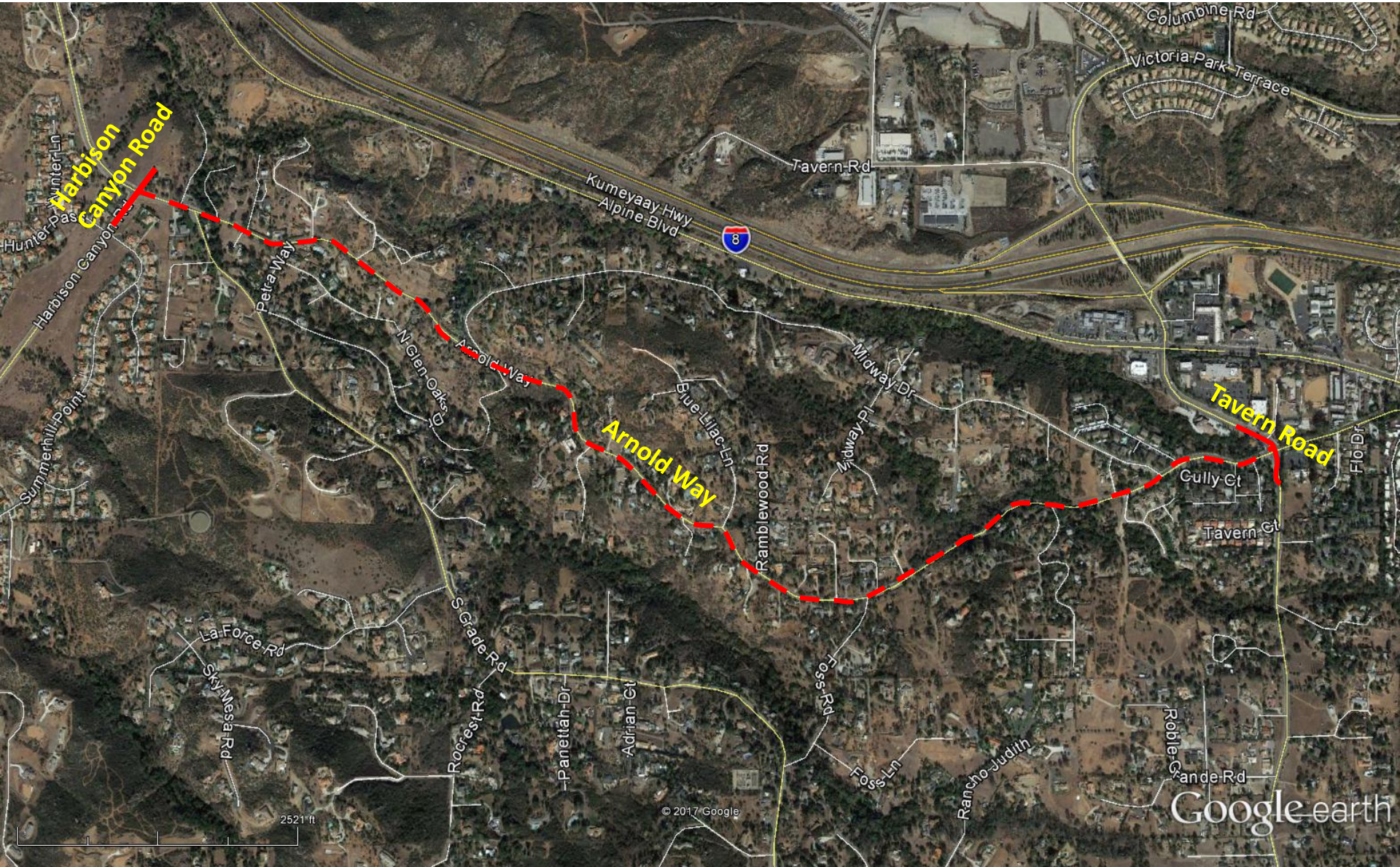
### Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	353	35 - 52	41 mph	45 mph	37 - 46	304	86%	5% / 21	8% / 28



# 2-C. Speed Limit/Radar Certification Arnold Way from Harbison Canyon Road to Tavern Road (2.32 miles)





## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017 **Item 2-C**

**SUPERVISORIAL DISTRICT:** 2

**SUBJECT:** Speed Limit/Radar Certification

**LOCATION:** Arnold Way from Harbison Canyon Road to Tavern Road  
(2.32 miles) ALPINE (Thos. Bros. 1233-F5)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Speed Limit Review

### **PROBLEM AS STATED BY REQUESTER:**

Arnold Way from Harbison Canyon Road to Tavern Road is a Through Highway and has an unposted 55 MPH statewide maximum speed limit. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 40 MPH.

### **DATA:**

#### **Existing Traffic Devices**

Arnold Way is a striped two-lane roadway that varies from 24 to 52 feet wide. The intersection of Harbison Canyon Road is stop controlled and the intersection of Tavern Road on the eastern end of this segment is signalized. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

#### **Average Daily Traffic Volumes** **9/17**

Arnold Way:	
@ 70' E/o Alpine View Road	2250

<b><u>Speed Data</u></b>	<b><u>85th Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Arnold Way:			
1,200' E/o Petra Way (2017)	42.0 MPH	33-42	88.0%

#### **Collision Data**

There have been twenty reported collisions along this segment of roadway, eight of which involved injury, in a five year, six month period (1-1-12 to 6-30-17). These collisions result in a segment accident rate of 1.91 collisions per million vehicle miles. The statewide average is 2.39 collisions per million vehicle miles for similar suburban 2-lane roads with speed less than 45 mile per hour.



# VOLUME

Arnold Way 70' E/O Alpine View Rd

Day: Tuesday  
Date: 3/21/2017

City: Alpine  
Project #: CA17\_4070\_001

DAILY TOTALS					NB	SB	EB		WB		Total		
					0	0					2,250		
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	0	0	0	2	2		12:00	0	0	11	15	26	
00:15	0	0	2	0	2		12:15	0	0	17	11	28	
00:30	0	0	1	0	1		12:30	0	0	17	13	30	
00:45	0	0	0	3	2	4	12:45	0	0	12	57	69	
01:00	0	0	0	1	1		13:00	0	0	13	16	29	
01:15	0	0	0	2	2		13:15	0	0	10	23	33	
01:30	0	0	1	1	2		13:30	0	0	20	22	42	
01:45	0	0	1	2	1	5	13:45	0	0	17	60	77	
02:00	0	0	0	0	0		14:00	0	0	14	27	41	
02:15	0	0	2	0	2		14:15	0	0	34	21	55	
02:30	0	0	0	1	1		14:30	0	0	24	49	73	
02:45	0	0	1	3	1	2	14:45	0	0	25	97	121	
03:00	0	0	1	0	1		15:00	0	0	107	16	123	
03:15	0	0	2	0	2		15:15	0	0	26	12	38	
03:30	0	0	1	0	1		15:30	0	0	22	17	39	
03:45	0	0	1	5	0	5	15:45	0	0	22	177	199	
04:00	0	0	0	0	0		16:00	0	0	30	27	57	
04:15	0	0	0	1	1		16:15	0	0	28	22	50	
04:30	0	0	0	0	0		16:30	0	0	30	18	48	
04:45	0	0	1	1	1	2	16:45	0	0	31	119	150	
05:00	0	0	0	3	3		17:00	0	0	17	15	32	
05:15	0	0	2	3	5		17:15	0	0	28	18	46	
05:30	0	0	3	6	9		17:30	0	0	19	14	33	
05:45	0	0	5	10	6	18	17:45	0	0	29	93	122	
06:00	0	0	8	12	20		18:00	0	0	21	14	35	
06:15	0	0	5	16	21		18:15	0	0	17	11	28	
06:30	0	0	9	10	19		18:30	0	0	21	11	32	
06:45	0	0	4	26	18	56	18:45	0	0	17	76	93	
07:00	0	0	7	22	29		19:00	0	0	31	10	41	
07:15	0	0	1	17	18		19:15	0	0	24	6	30	
07:30	0	0	7	31	38		19:30	0	0	10	8	18	
07:45	0	0	11	26	22	92	19:45	0	0	11	76	87	
08:00	0	0	8	17	25		20:00	0	0	8	8	16	
08:15	0	0	14	28	42		20:15	0	0	4	5	9	
08:30	0	0	22	56	78		20:30	0	0	5	5	10	
08:45	0	0	30	74	48	149	20:45	0	0	5	22	27	
09:00	0	0	31	20	51		21:00	0	0	2	3	5	
09:15	0	0	59	12	71		21:15	0	0	6	2	8	
09:30	0	0	17	14	31		21:30	0	0	1	6	7	
09:45	0	0	16	123	7	53	21:45	0	0	5	14	19	
10:00	0	0	23	11	34		22:00	0	0	1	0	1	
10:15	0	0	15	17	32		22:15	0	0	1	1	2	
10:30	0	0	6	10	16		22:30	0	0	1	1	2	
10:45	0	0	10	54	14	52	22:45	0	0	3	6	9	
11:00	0	0	15	8	23		23:00	0	0	2	2	4	
11:15	0	0	15	11	26		23:15	0	0	2	3	5	
11:30	0	0	12	14	26		23:30	0	0	1	0	1	
11:45	0	0	13	55	15	48	23:45	0	0	0	5	5	
TOTALS	382				481	863	TOTALS	802				585	1387
SPLIT %	44.3%				55.7%	38.4%	SPLIT %	57.8%				42.2%	61.6%

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	1,184	1,066	2,250
AM Peak Hour	08:30	08:15	08:30	PM Peak Hour	14:15	14:00	14:15		
AM Pk Volume	142	152	278	PM Pk Volume	190	121	300		
Pk Hr Factor	0.602	0.679	0.891	Pk Hr Factor	0.444	0.617	0.610		
7 - 9 Volume	100	241	341	4 - 6 Volume	212	146	358		
7 - 9 Peak Hour	08:00	08:00	08:00	4 - 6 Peak Hour	16:00	16:00	16:00		
7 - 9 Pk Volume	74	149	223	4 - 6 Pk Volume	119	90	209		
Pk Hr Factor	0.617	0.665	0.715	Pk Hr Factor	0.960	0.833	0.917		

# Spot Speed Study

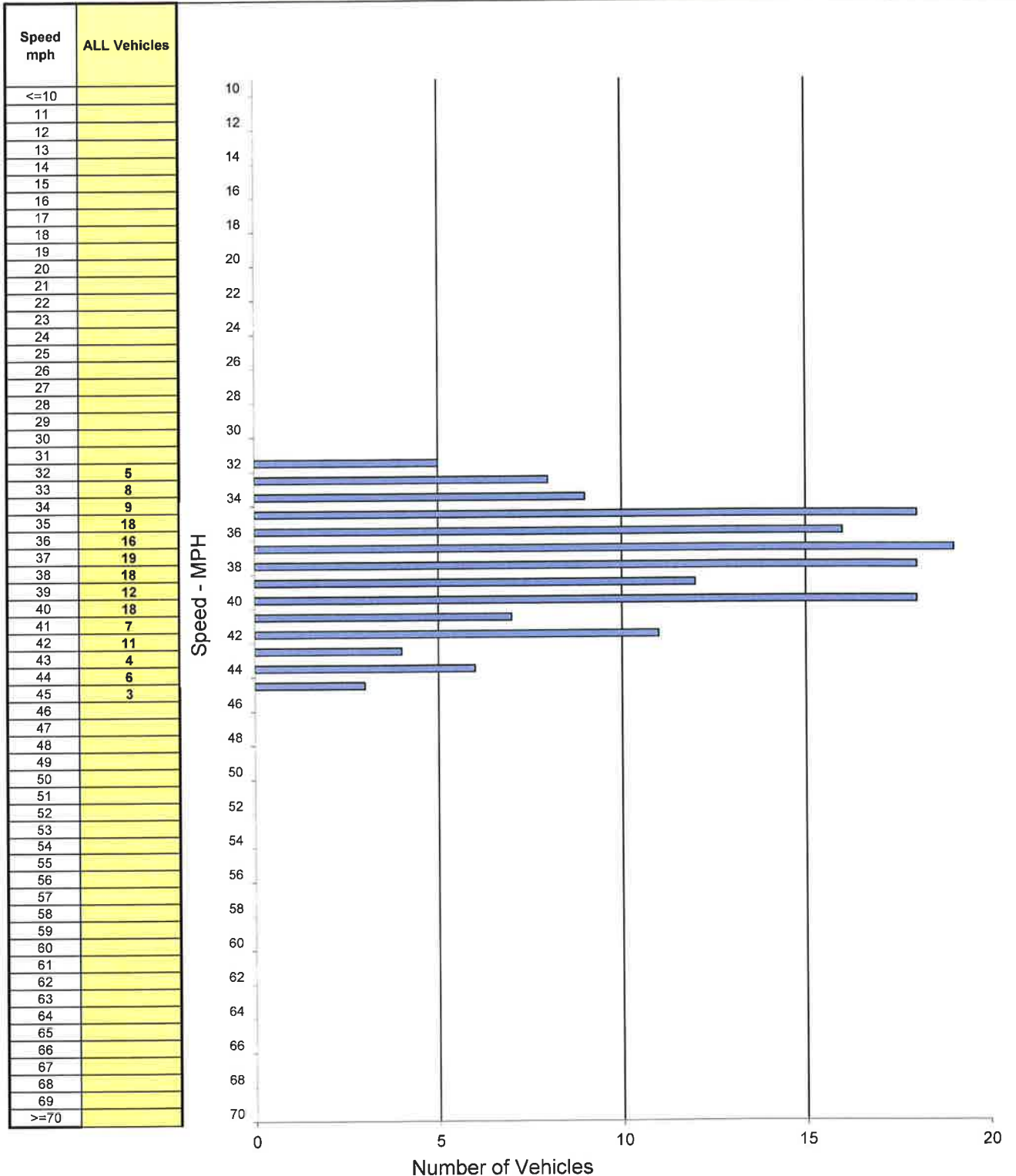
Prepared by: National Data & Surveying Services

City of Alpine

DATE: 5/18/2017  
TIME: 09:00-11:00

Location: Arnold Way 1,200' E/O Petra Way  
Posted Speed: 40 MPH Clear/Dry Project #: 17-4189-001

## Eastbound & Westbound Spot Speeds

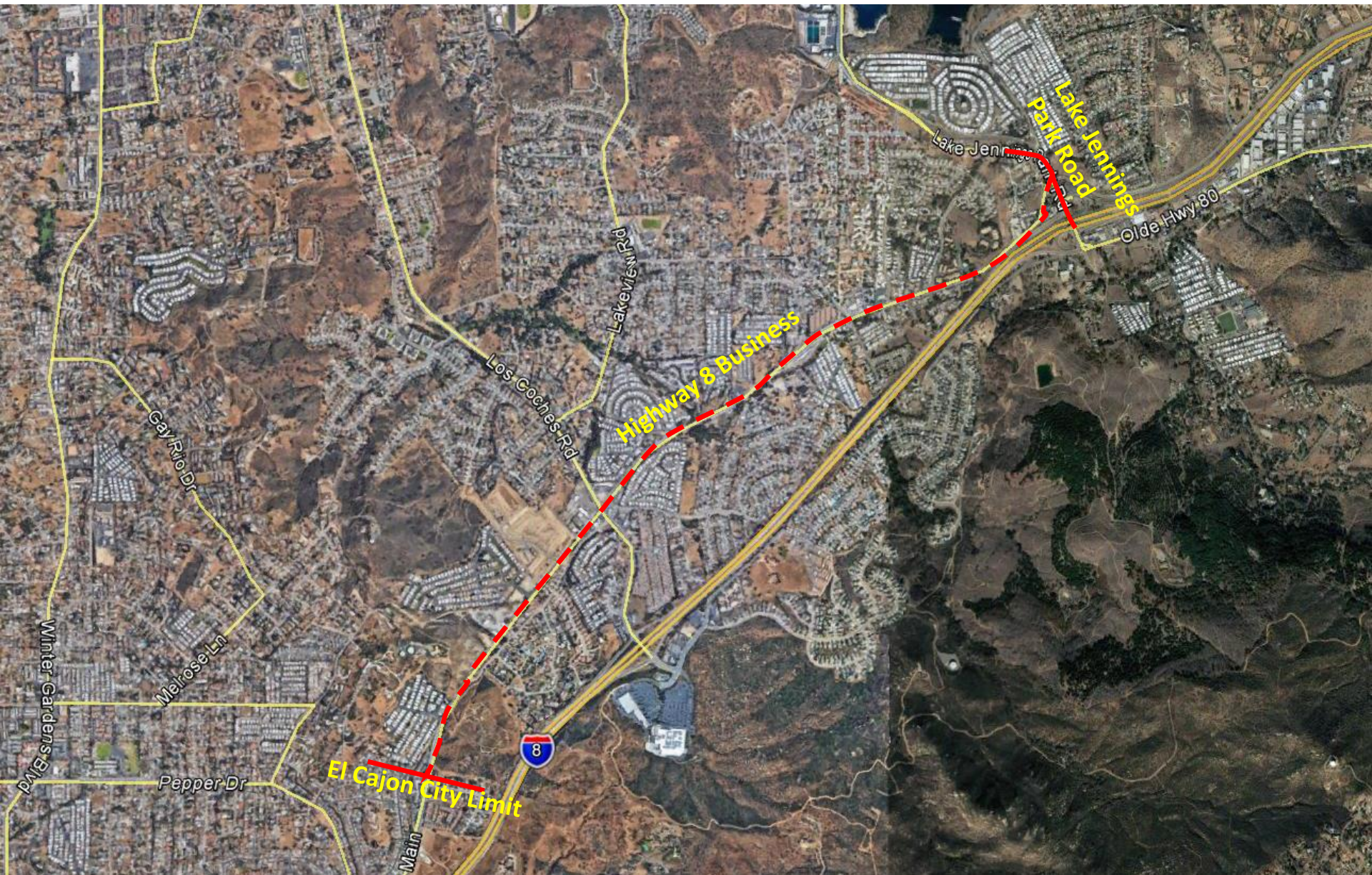


SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	154	32 - 45	38 mph	42 mph	33 - 42	136	88%	3% / 5	9% / 13



# 2-D. Radar Recertification

## Highway 8 Business from El Cajon City Limit to Lake Jennings Park Road (2.62 miles)





## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017 **Item 2-D**

**SUPERVISORIAL DISTRICT:** 2

**SUBJECT:** Radar Recertification

**LOCATION:** Highway 8 Business from the El Cajon City Limit to Lake Jennings Park Road (2.62 miles) LAKESIDE (Thos. Bros. 1252-C1)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Radar Recertification

### **PROBLEM AS STATED BY REQUESTER:**

Highway 8 Business from the El Cajon City Limit to Lake Jennings Park Road is posted 50 MPH Radar Enforced. Preliminary review of prevailing speeds and roadway conditions could support radar recertification.

### **DATA:**

#### **Existing Traffic Devices**

Highway 8 Business is a striped two-lane Through Highway that varies from 32 feet to 87 feet wide. There are bike lanes on each side of the roadway. The road is classified as a Boulevard on the County General Plan Mobility Element Network. The road is posted 50 MPH/Radar Enforced.

<b><u>Average Daily Traffic Volumes</u></b>	<b><u>3/17</u></b>	<b><u>10/10</u></b>	<b><u>11/03</u></b>
Highway 8 Business:			
E/o El Cajon City Limit	7,480	11,730	13,010
W/o East Lakeview Road		7,230	7,950

<b><u>Speed Data</u></b>		<b><u>85<sup>th</sup> Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Highway 8 Business:				
1,900' W/o Los Coches Rd	(2017)	55.0 MPH	46-55	89.0%
	(2010)	56.2 MPH	46-55	59.8%
960' E/o Los Coches Rd	(2017)	52.0 MPH	45-54	84.0%
	(2010)	49.8 MPH	41-50	60.4%
@ Lake Valley Rd	(2017)	53.0 MPH	44-53	89.0%
	(2010)	49.7 MPH	39-48	55.6%

**Highway 8 Business**

2

**Item 2-D**

<b><u>Speed Data</u></b>		<b>85<sup>th</sup> <u>Percentile</u></b>	<b>10 MPH <u>Pace</u></b>	<b>% in <u>Pace</u></b>
Highway 8 Business:				
Speed Zone	(2017)	53.0 MPH	46-55	85.0%

**Collision Data**

There have been 65 reported collisions along this segment of roadway, 31 of which involved injury and 1 fatality in the last five year, seven months (1-1-12 to 7-30-17). These collisions result in a segment accident rate of 1.63 collisions per million vehicle miles. The statewide average is 1.32 collisions per million vehicle miles for similar suburban 2 lane- roads with speeds between 45 and 55 mile per hour.

Prepared by NDS/ATD

**VOLUME**

Hwy 8 Business E/O El Cajon City Limit

Day: Tuesday  
Date: 3/14/2017City: Lakeside  
Project #: CA17\_4074\_010

DAILY TOTALS					NB	SB	EB		WB		Total			
					0	0	4,109		3,373		7,482			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL			
00:00			8	5	13	12:00			56	46	102			
00:15			7	4	11	12:15			50	49	99			
00:30			6	2	8	12:30			70	50	120			
00:45			3	24	3	12:45			71	247	48	119	440	
01:00			6	3	9	13:00			63	49	112			
01:15			3	6	9	13:15			57	32	89			
01:30			5	3	8	13:30			70	59	129			
01:45			1	15	2	13:45			64	254	47	187	111	441
02:00			4	2	6	14:00			65	71	136			
02:15			4	5	9	14:15			70	65	135			
02:30			2	1	3	14:30			83	58	141			
02:45			2	12	1	14:45			113	331	53	247	166	578
03:00			3	1	4	15:00			111	53	164			
03:15			2	6	8	15:15			86	73	159			
03:30			3	3	6	15:30			100	59	159			
03:45			3	11	2	15:45			107	404	58	243	165	647
04:00			4	6	10	16:00			98	42	140			
04:15			2	10	12	16:15			96	67	163			
04:30			5	13	18	16:30			103	49	152			
04:45			3	14	10	16:45			111	408	58	216	169	624
05:00			8	21	29	17:00			100	52	152			
05:15			11	21	32	17:15			97	55	152			
05:30			17	39	56	17:30			72	61	133			
05:45			18	54	26	17:45			78	347	52	220	130	567
06:00			22	40	62	18:00			86	56	142			
06:15			25	34	59	18:15			95	50	145			
06:30			29	51	80	18:30			70	50	120			
06:45			42	118	35	18:45			94	345	47	203	141	548
07:00			33	89	122	19:00			58	41	99			
07:15			51	69	120	19:15			48	41	89			
07:30			54	82	136	19:30			60	35	95			
07:45			50	188	70	19:45			49	215	32	149	81	364
08:00			45	64	109	20:00			50	20	70			
08:15			47	77	124	20:15			57	23	80			
08:30			56	57	113	20:30			46	26	72			
08:45			50	198	53	20:45			29	182	16	85	45	267
09:00			35	66	101	21:00			34	34	68			
09:15			30	44	74	21:15			24	30	54			
09:30			36	44	80	21:30			29	28	57			
09:45			45	146	48	21:45			34	121	13	105	47	226
10:00			41	53	94	22:00			23	10	33			
10:15			42	41	83	22:15			25	11	36			
10:30			37	50	87	22:30			13	10	23			
10:45			45	165	38	22:45			11	72	5	36	16	108
11:00			55	45	100	23:00			9	6	15			
11:15			50	43	93	23:15			14	3	17			
11:30			46	39	85	23:30			10	5	15			
11:45			51	202	46	23:45			3	36	2	16	5	52
TOTALS			1147	1473	2620	TOTALS			2962	1900	4862			
SPLIT %			43.8%	56.2%	35.0%	SPLIT %			60.9%	39.1%	65.0%			

DAILY TOTALS					NB	SB	EB	WB	Total
					0	0	4,109	3,373	7,482
AM Peak Hour	11:45	07:00	07:00	PM Peak Hour	16:30	14:00	14:45		
AM Pk Volume	227	310	498	PM Pk Volume	411	247	648		
Pk Hr Factor	0.811	0.871	0.915	Pk Hr Factor	0.926	0.870	0.976		
7 - 9 Volume	386	561	947	4 - 6 Volume	755	436	1191		
7 - 9 Peak Hour	07:15	07:00	07:00	4 - 6 Peak Hour	16:30	16:15	16:15		
7 - 9 Pk Volume	200	310	498	4 - 6 Pk Volume	411	226	636		
Pk Hr Factor	0.926	0.871	0.915	Pk Hr Factor	0.926	0.843	0.941		



# Spot Speed Study

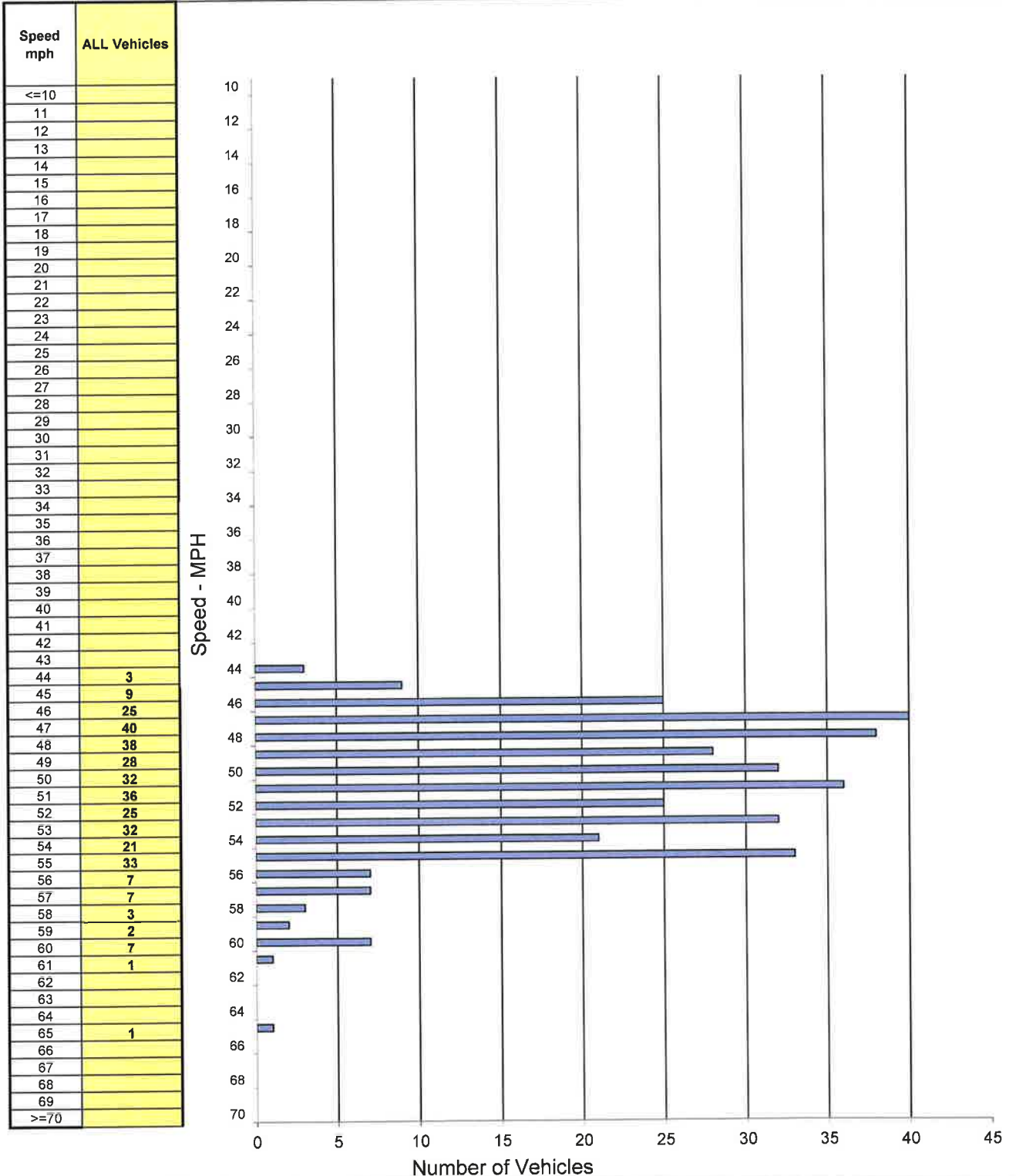
Prepared by: National Data & Surveying Services

## City of Lakeside

DATE: 3/8/2017  
TIME: 09:00-11:00

Location: Hwy 8 Business 1900' W/O Los Coches Rd  
Posted Speed: 50 MPH  
Project #: 17-4077-003

### Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	350	44 - 65	50 mph	55 mph	46 - 55	310	89%	3% / 12	8% / 28

# Spot Speed Study

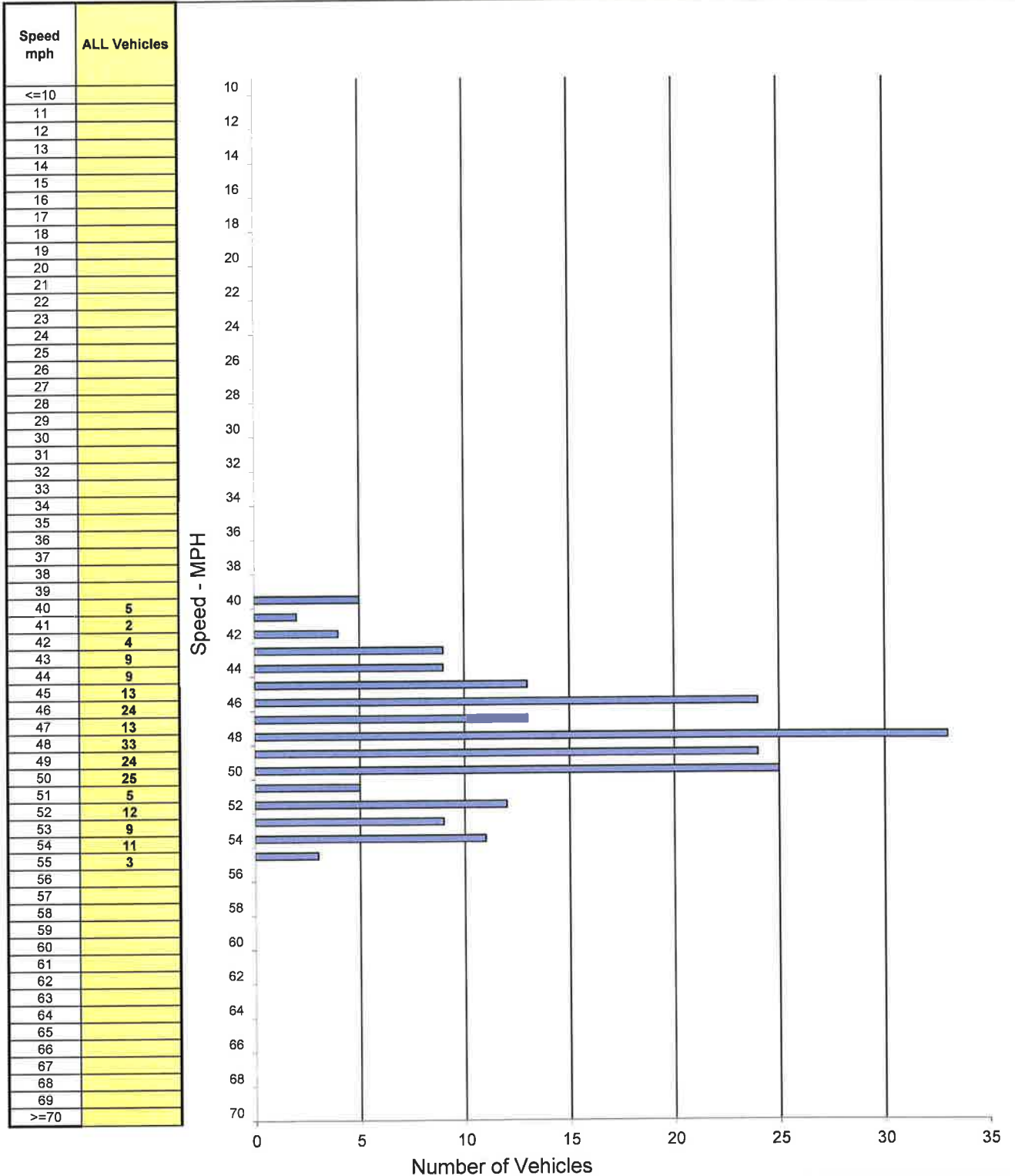
Prepared by: National Data & Surveying Services

## City of Lakeside

DATE: 3/8/2017  
TIME: 13:00-15:00

Location: Hwy 8 Business 960' E/O Los Coches Rd  
Posted Speed: 50 MPH Good Project #: 17-4077-002

### Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	201	40 - 55	48 mph	52 mph	45 - 54	169	84%	14% / 29	2% / 3

# Spot Speed Study

Prepared by: National Data & Surveying Services

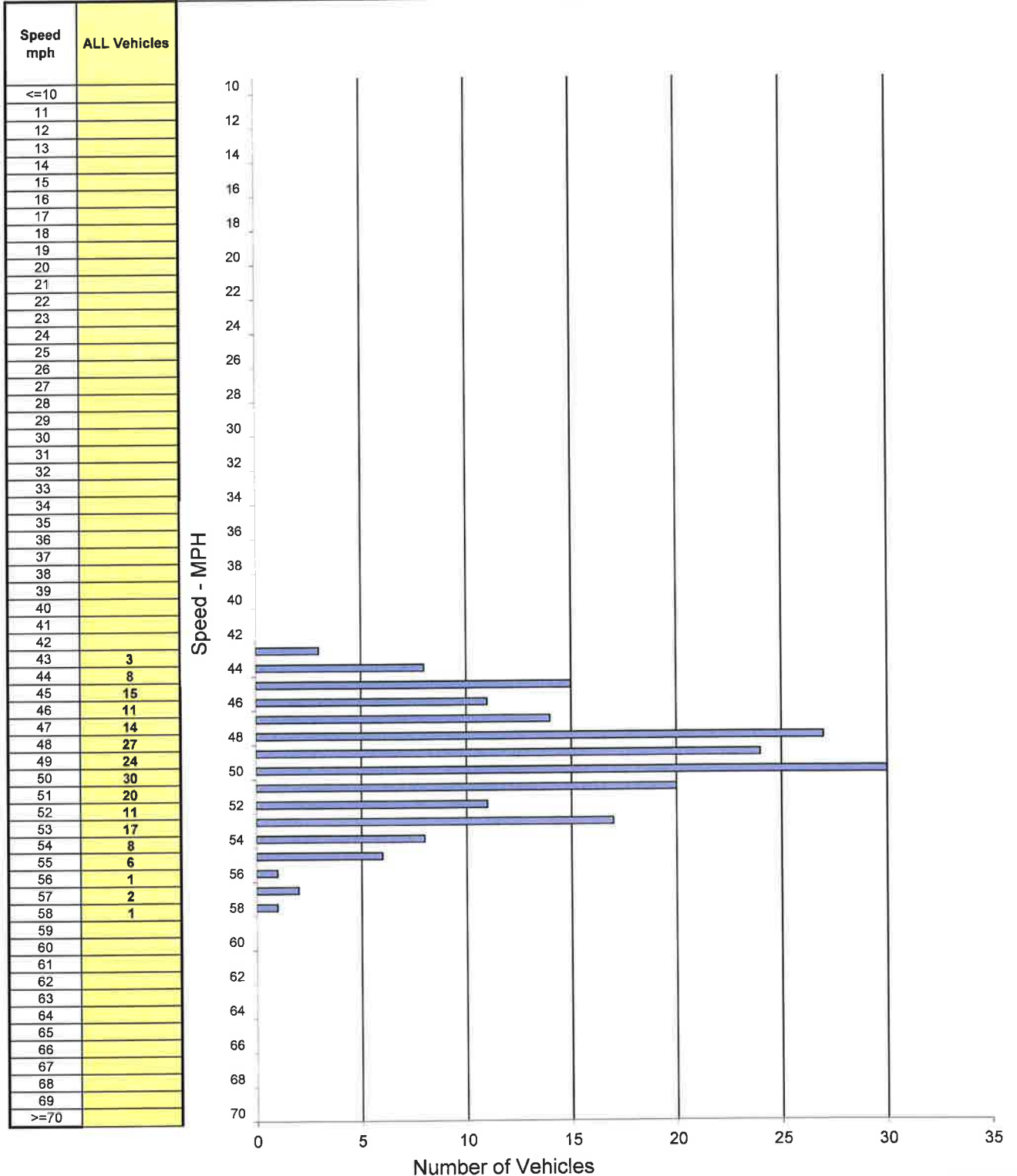
## City of Lakeside

DATE: 3/8/2017  
TIME: 11:00-13:00

Location: Hwy 8 Business & Lake Valley Rd  
Posted Speed: 50 MPH

Project #: 17-4077-001

### Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	198	43 - 58	49 mph	53 mph	44 - 53	177	89%	1% / 3	10% / 18



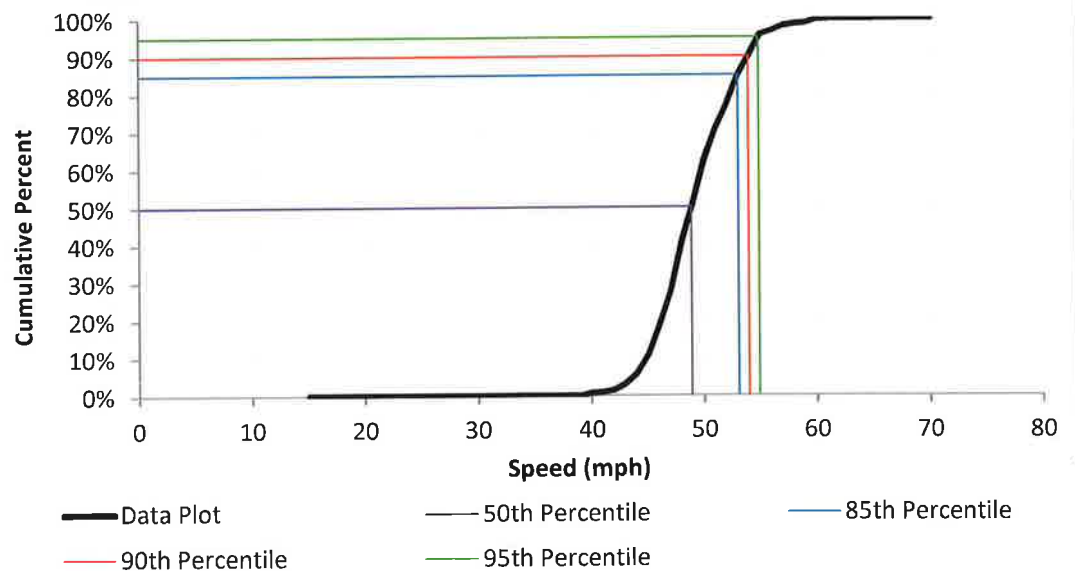
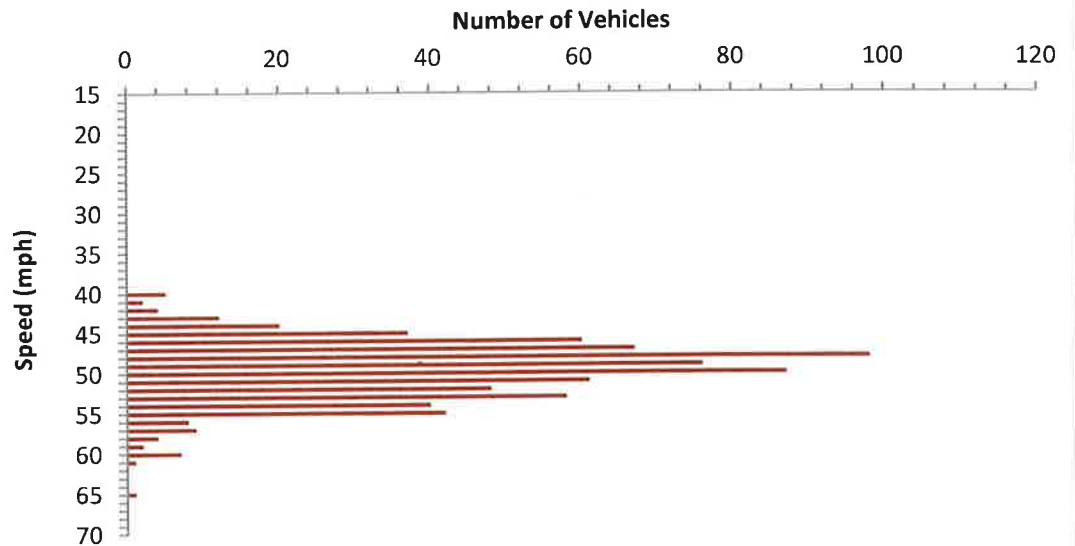


# RADAR SPEED SURVEY

## SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

<b>Road Name:</b>	Highway 8 Business	<b>From:</b>	El Cajon City Limit	<b>To:</b>	Lake Jennings Park Rd
<b>Position:</b>	0	<b>Direction:</b>	EB/WB		
<b>Date:</b>	3/1/2017	<b>Weather:</b>	Clear	<b>Project Number:</b>	0
<b>Time Start:</b>	12:00 AM	<b>Road Condition:</b>	Dry	<b>Observer:</b>	Contractor
<b>Time End:</b>	12:00 AM	<b>Posted Speed:</b>	50 MPH	<b>Calibration Test:</b>	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	5	0.7%
41	2	0.9%
42	4	1.5%
43	12	3.1%
44	20	5.7%
45	37	10.7%
46	60	18.7%
47	67	27.6%
48	98	40.7%
49	76	50.9%
50	87	62.5%
51	61	70.6%
52	48	77.0%
53	58	84.8%
54	40	90.1%
55	42	95.7%
56	8	96.8%
57	9	98.0%
58	4	98.5%
59	2	98.8%
60	7	99.7%
61	1	99.9%
62		
63		
64		
65	1	100.0%
66		
67		
68		
69		
70		
<b>Total</b>	<b>749</b>	



### DATA ANALYSIS

Average Speed	49.7	Range	40 - 65
50th Percentile	48.9	10 mph Pace	46 - 55
85th Percentile	53.0	Number in Pace	637
90th Percentile	54.0	Percent in Pace	85%
95th Percentile	54.9		



### 3-A. Speed Limit/Radar Certification Bear Valley Parkway from State Route 78 to Escondido City Limit/Boyle Ave (0.93 miles)





## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017 **Item 3-A**

**SUPERVISORIAL DISTRICT:** 3

**SUBJECT:** Speed Limit/Radar Certification

**LOCATION:** Bear Valley Parkway from State Route 78 to the Escondido City Limit (near Boyle Avenue) (0.93 miles)  
ESCONDIDO (Thos. Bros. 1130-D4)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Speed Limit Review

### **PROBLEM AS STATED BY REQUESTER:**

Bear Valley Parkway from State Route 78 northerly to the southernmost Escondido City Limit has recently gone through a Capitol Improvement Project which changed the operational usage on this segment. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 50 MPH.

### **DATA:**

#### **Existing Traffic Devices**

Bear Valley Parkway from State Route 78 to the Escondido City limit is a Through Highway and was established as a 40 MPH segment in 1977. This segment is a newly reconstructed striped four-lane roadway that measures 91-101 feet wide. It is separated by both a planted median and a painted median. It has turn pockets, painted edge lines and bike lanes. The road is classified as a Major Road on the County General Plan Mobility Element Network.

#### **Average Daily Traffic Volumes** **3/17**

Bear Valley Parkway:  
N/o SR 78 18,850

<b><u>Speed Data</u></b>		<b><u>85th Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Bear Valley Parkway:				
1,100 ft S/o Idaho Av	(2017)	55.0 MPH	46-55	74.0%
1,200 ft N/o Idaho Av	(2017)	54.0 MPH	45-54	77.0%
Speed Zone	(2017)	54.2 MPH	45-54	75.0%

#### **Collision Data**

There has been less than one year of reported collision data on this suburban divided 4-lane road with speeds less than or equal 55 mile per hour.



**VOLUME**

Bear Valley Pkwy N/O SR 78

Day: Tuesday  
Date: 3/7/2017City: Escondido  
Project #: CA17\_4073\_001

DAILY TOTALS					NB	SB	EB		WB		Total
					9,283	9,569					0
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	24	12			36	12:00	110	68			178
00:15	24	7			31	12:15	94	100			194
00:30	15	12			27	12:30	105	107			212
00:45	21	84	8	39	29 123	12:45	118	427	120	395	238 822
01:00	8	9			17	13:00	116	97			213
01:15	9	18			27	13:15	118	120			238
01:30	7	10			17	13:30	130	122			252
01:45	2	26	8	45	10 71	13:45	116	480	105	444	221 924
02:00	13	10			23	14:00	136	133			269
02:15	5	9			14	14:15	154	147			301
02:30	8	8			16	14:30	140	158			298
02:45	11	37	7	34	18 71	14:45	150	580	165	603	315 1183
03:00	2	20			22	15:00	237	101			338
03:15	2	9			11	15:15	182	137			319
03:30	6	23			29	15:30	209	135			344
03:45	2	12	28	80	30 92	15:45	217	845	120	493	337 1338
04:00	5	32			37	16:00	237	128			365
04:15	5	45			50	16:15	223	138			361
04:30	6	83			89	16:30	201	135			336
04:45	9	25	66	226	75 251	16:45	261	922	125	526	386 1448
05:00	10	86			96	17:00	236	135			371
05:15	20	111			131	17:15	245	142			387
05:30	33	214			247	17:30	234	145			379
05:45	30	93	207	618	237 711	17:45	211	926	133	555	344 1481
06:00	45	219			264	18:00	221	120			341
06:15	52	304			356	18:15	225	116			341
06:30	66	296			362	18:30	173	99			272
06:45	81	244	304	1123	385 1367	18:45	186	805	101	436	287 1241
07:00	74	238			312	19:00	188	103			291
07:15	108	163			271	19:15	153	108			261
07:30	118	202			320	19:30	143	71			214
07:45	96	396	229	832	325 1228	19:45	136	620	71	353	207 973
08:00	101	200			301	20:00	112	64			176
08:15	102	193			295	20:15	128	55			183
08:30	130	190			320	20:30	111	66			177
08:45	100	433	161	744	261 1177	20:45	114	465	42	227	156 692
09:00	71	130			201	21:00	108	45			153
09:15	91	145			236	21:15	98	58			156
09:30	76	126			202	21:30	103	36			139
09:45	84	322	122	523	206 845	21:45	68	377	23	162	91 539
10:00	82	118			200	22:00	82	48			130
10:15	102	128			230	22:15	67	31			98
10:30	91	113			204	22:30	47	25			72
10:45	68	343	93	452	161 795	22:45	53	249	30	134	83 383
11:00	108	117			225	23:00	38	15			53
11:15	125	118			243	23:15	45	20			65
11:30	94	108			202	23:30	38	23			61
11:45	90	417	107	450	197 867	23:45	34	155	17	75	51 230
TOTALS	2432	5166			7598	TOTALS	6851	4403			11254
SPLIT %	32.0%	68.0%			40.3%	SPLIT %	60.9%	39.1%			59.7%

DAILY TOTALS					NB	SB	EB	WB	Total
					9,283	9,569	0	0	18,852
AM Peak Hour	08:00	06:15							
AM Pk Volume	433	1142							
Pk Hr Factor	0.833	0.939							
7 - 9 Volume	829	1576							
7 - 9 Peak Hour	08:00	07:00							
7 - 9 Pk Volume	433	832							
Pk Hr Factor	0.833	0.874							
PM Peak Hour	16:45	14:00							
PM Pk Volume	976	603							
Pk Hr Factor	0.935	0.914							
4 - 6 Volume	1848	1081							
4 - 6 Peak Hour	16:45	17:00							
4 - 6 Pk Volume	976	555							
Pk Hr Factor	0.935	0.957							

# Spot Speed Study

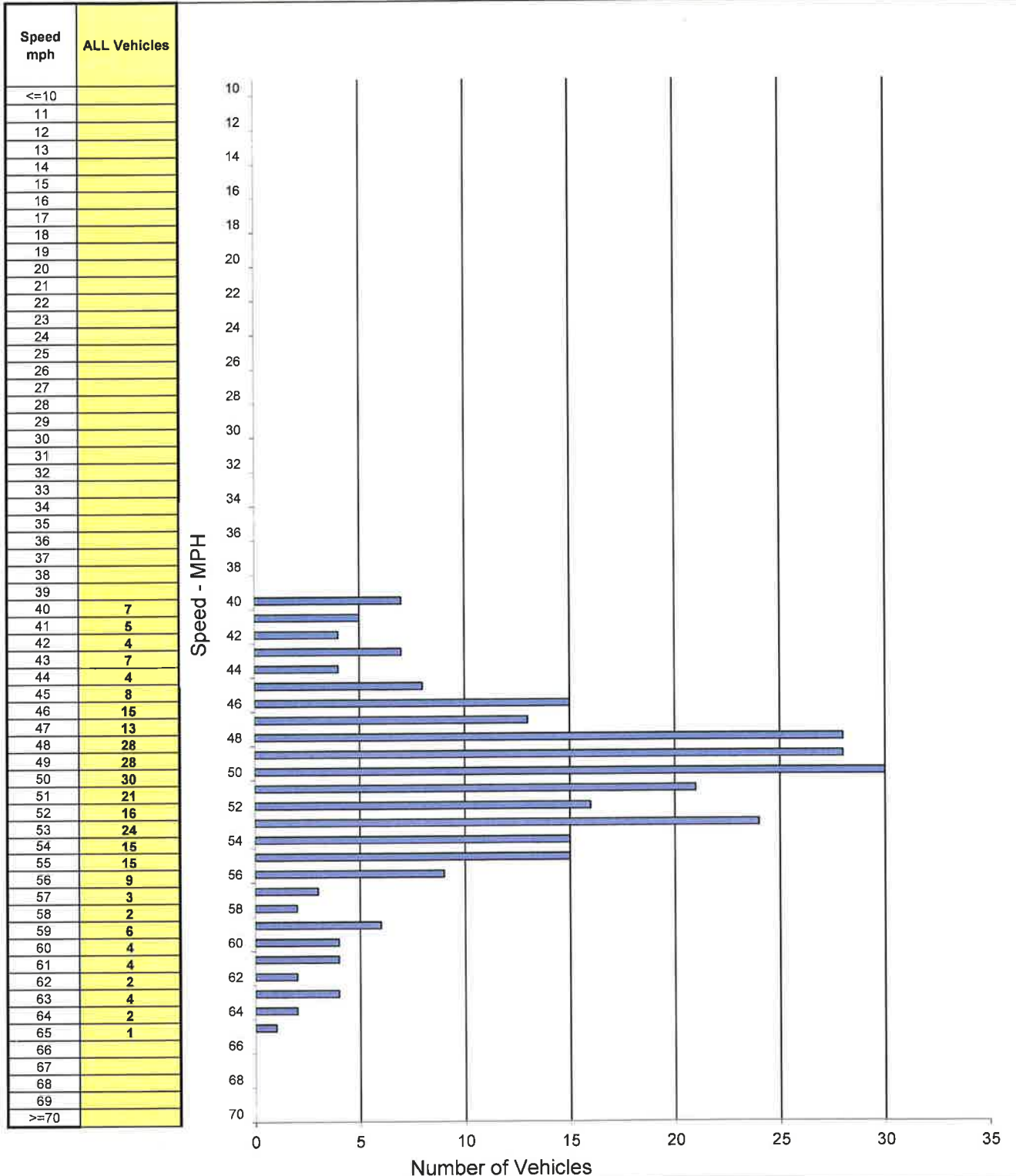
Prepared by: National Data & Surveying Services

## City of Escondido

DATE: 3/9/2017  
TIME: 09:00-11:00

Location: Bear Valley Pkwy 1100' S/O Idaho Ave  
Posted Speed: None Clear/Dry Project #: 17-4071-001

### Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	277	40 - 65	50 mph	55 mph	46 - 55	205	74%	12% / 35	14% / 37

# Spot Speed Study

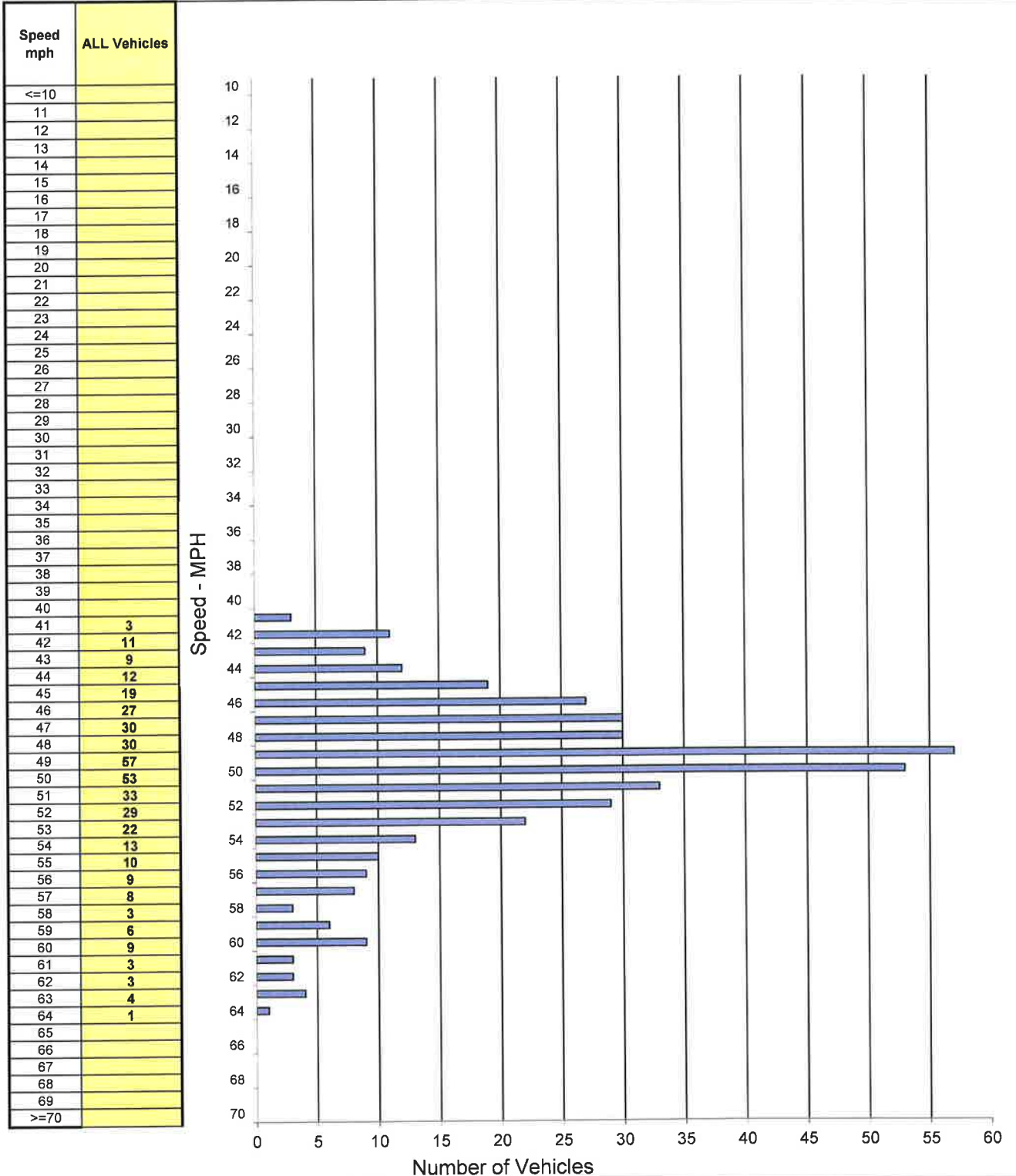
Prepared by: National Data & Surveying Services

## City of Escondido

DATE: 3/9/2017  
TIME: 11:00-13:00

Location: Bear Valley Pkwy 1200' N/O Idaho Ave  
Posted Speed: None Clear/Dry Project #: 17-4072-001

### Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	404	41 - 64	50 mph	54 mph	45 - 54	313	77%	8% / 35	14% / 56



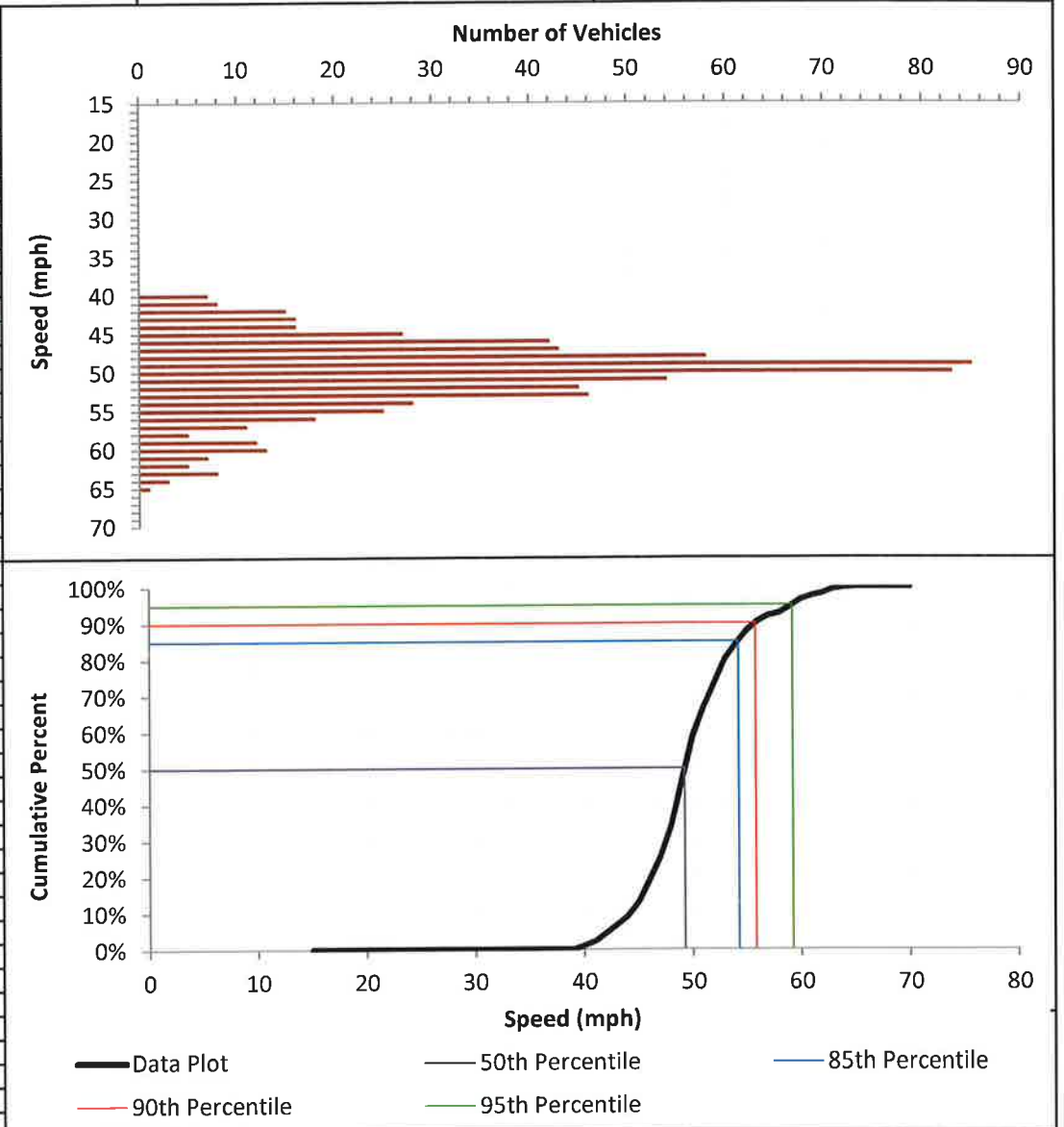


# RADAR SPEED SURVEY

## SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

<b>Road Name:</b>	Bear Valley Pkwy	<b>From:</b>	SR 78	<b>To:</b>	Escondido City Limit (near Boy
<b>Position:</b>	Segment Speed Zone	<b>Direction:</b>	NB/SB		
<b>Date:</b>	3/1/2017	<b>Weather:</b>	Clear	<b>Project Number:</b>	0
<b>Time Start:</b>	12:00 AM	<b>Road Condition:</b>	Dry	<b>Observer:</b>	Contractor
<b>Time End:</b>	12:00 AM	<b>Posted Speed:</b>	50 MPH	<b>Calibration Test:</b>	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	7	1.0%
41	8	2.2%
42	15	4.4%
43	16	6.8%
44	16	9.1%
45	27	13.1%
46	42	19.2%
47	43	25.6%
48	58	34.1%
49	85	46.5%
50	83	58.7%
51	54	66.7%
52	45	73.3%
53	46	80.0%
54	28	84.1%
55	25	87.8%
56	18	90.5%
57	11	92.1%
58	5	92.8%
59	12	94.6%
60	13	96.5%
61	7	97.5%
62	5	98.2%
63	8	99.4%
64	3	99.9%
65	1	100.0%
66		
67		
68		
69		
70		
Total	681	

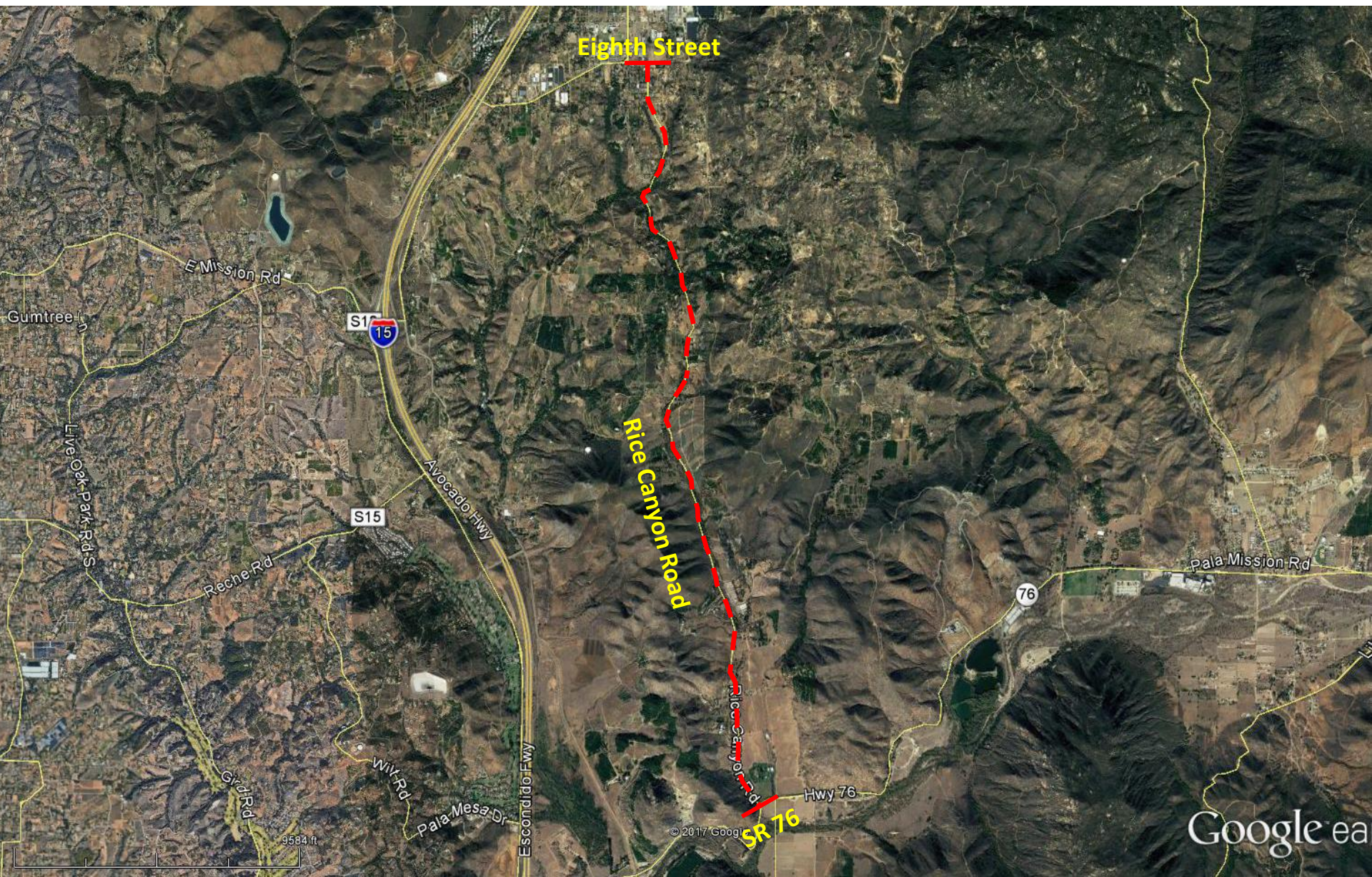


### DATA ANALYSIS

Average Speed	50.3	Range	40 - 65
50th Percentile	49.3	10 mph Pace	45 - 54
85th Percentile	54.2	Number in Pace	511
90th Percentile	55.8	Percent in Pace	75%
95th Percentile	59.2		



# 5-A. Speed Limit/Radar Certification Rice Canyon Road from SR-76 to Eighth Street (5.06 miles)





## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017

**Item 5-A**

**SUPERVISORIAL DISTRICT:** 5

**SUBJECT:** Speed Limit/Radar Certification

**LOCATION:** Rice Canyon Road from Highway 76 to Eighth Street  
(5.06 miles) FALLBROOK/RAINBOW/PALA PAUMA  
(Thos. Bros. 1029-B7)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** Speed Limit Review

### **PROBLEM AS STATED BY REQUESTER:**

Rice Canyon Road from State Route 76 to Eighth Street. Preliminary review of prevailing speeds and roadway conditions could support a formal speed limit posting of 35 MPH.

### **DATA:**

#### **Existing Traffic Devices**

Rice Canyon Road from State Route 76 northerly to Eighth Street is curvilinear throughout this unposted segment that varies from 20 to 24 feet wide. This segment is centerline striped, posted with curve advisory warning signs and is stop controlled for southbound traffic at SR76 and for northbound traffic at Rainbow Heights Road. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

#### **Average Daily Traffic Volumes** 9/17

Rice Canyon Road:  
@ 405' S/o Moon Ridge Rd 1,346

<b><u>Speed Data</u></b>		<b><u>85th Percentile</u></b>	<b><u>10 MPH Pace</u></b>	<b><u>% in Pace</u></b>
Rice Canyon Road:				
405' S/o Moon Ridge Rd	(2017)	38.0 MPH	29-38	76.0%
420' N/o Clearwater Rd	(2017)	39.0 MPH	25-34	64.0%
Speed Zone	(2017)	37.8 MPH	27-36	76.0%

#### **Collision Data**

There have been 38 reported collisions, 18 of which involved injuries and 1 that involved a fatality along this segment of roadway, in a five year, seven month period (1-1-12 to 7-30-17). These collisions result in a segment accident rate of 2.74 collisions per million vehicle miles. The statewide average is 1.4 collisions per million vehicle miles for similar urban 2-lane roads with speeds less than 55 mile per hour.



Prepared by NDS/ATD  
Prepared by National Data & Surveying Services

**VOLUME**

Rice Canyon Rd 405' S/O Moon Ridge Rd

Day: Thursday  
Date: 8/3/2017

City: Fallbrook  
Project #: CA17\_4263\_001

DAILY TOTALS					NB	SB	EB				WB	Total
					1,139	207	0				0	1,346
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
0:00	0	0	0	0	33	12:00	2	4	0	0	6	
0:15	0	0	0	0		12:15	5	3	0	0	8	
0:30	1	2	0	0		12:30	7	7	0	0	14	
0:45	0	1	0	2		12:45	1	15	4	18	533	
1:00	0	0	0	0		13:00	5	2	0	0	7	
1:15	0	0	0	0	123	13:15	4	6	0	0	10	
1:30	0	1	0	0		13:30	2	1	0	0	3	
1:45	0	0	1	0		13:45	2	13	1	10	323	
2:00	1	0	0	0		14:00	2	1	0	0	3	
2:15	0	0	0	0		14:15	6	1	0	0	7	
2:30	0	0	0	0	124	14:30	3	6	0	0	9	
2:45	0	1	0	0		14:45	4	15	1	9	524	
3:00	0	0	0	0		15:00	11	2	0	0	13	
3:15	0	0	0	0		15:15	31	6	0	0	37	
3:30	0	0	0	0		15:30	40	4	0	0	44	
3:45	0	0	0	0	173	15:45	75	157	4	16	232	
4:00	0	0	0	0		16:00	82	5	0	0	87	
4:15	1	0	0	0		16:15	85	7	0	0	92	
4:30	0	0	0	0		16:30	75	2	0	0	77	
4:45	0	1	0	0		16:45	93	335	3	17	448	
5:00	1	1	0	0	15	17:00	86	6	0	0	92	
5:15	1	1	0	0		17:15	86	3	0	0	89	
5:30	5	3	0	0		17:30	109	3	0	0	112	
5:45	3	10	0	5		17:45	75	356	0	12	443	
6:00	2	2	0	0		18:00	71	6	0	0	77	
6:15	2	7	0	0	22	18:15	21	1	0	0	22	
6:30	0	3	0	0		18:30	18	0	0	0	18	
6:45	0	4	6	18		18:45	12	122	1	8	143	
7:00	1	4	0	0		19:00	11	2	0	0	13	
7:15	3	6	0	0		19:15	4	0	0	0	4	
7:30	2	3	0	0	28	19:30	6	2	0	0	8	
7:45	6	12	3	16		19:45	2	23	2	6	33	
8:00	1	2	0	0		20:00	9	1	0	0	10	
8:15	4	2	0	0		20:15	2	3	0	0	5	
8:30	11	5	0	0		20:30	3	3	0	0	6	
8:45	2	18	1	10	23	20:45	1	15	2	9	28	
9:00	4	1	0	0		21:00	2	3	0	0	5	
9:15	0	8	0	0		21:15	2	1	0	0	3	
9:30	3	2	0	0		21:30	2	0	0	0	2	
9:45	2	9	3	14		21:45	3	9	0	4	16	
10:00	1	2	0	0	19	22:00	3	0	0	0	3	
10:15	1	2	0	0		22:15	0	4	0	0	4	
10:30	2	5	0	0		22:30	0	0	0	0	0	
10:45	3	7	3	12		22:45	0	3	1	5	9	
11:00	2	4	0	0		23:00	0	0	0	0	0	
11:15	3	4	0	0	24	23:15	1	3	0	0	4	
11:30	3	2	0	0		23:30	0	0	0	0	0	
11:45	4	12	2	12		23:45	0	1	0	3	4	
TOTALS	75	90				165	TOTALS	1064	117			1181
SPLIT %	45.5%	54.5%				12.3%	SPLIT %	90.1%	9.9%			87.7%

DAILY TOTALS					NB	SB	EB	WB	Total
					1,139	207	0	0	1,346
AM Peak Hour	7:45	6:15	7:45	PM Peak Hour	16:45	15:30	16:45		
AM Pk Volume	22	20	34	PM Pk Volume	374	20	389		
Pk Hr Factor	0.500	0.714	0.531	Pk Hr Factor	0.858	0.714	0.868		
7 - 9 Volume	30	26	56	4 - 6 Volume	691	29	720		
7 - 9 Peak Hour	7:45	7:00	7:45	4 - 6 Peak Hour	16:45	16:15	16:45		
7 - 9 Pk Volume	22	16	34	4 - 6 Pk Volume	374	18	389		
Pk Hr Factor	0.500	0.667	0.531	Pk Hr Factor	0.858	0.643	0.868		

# Spot Speed Study

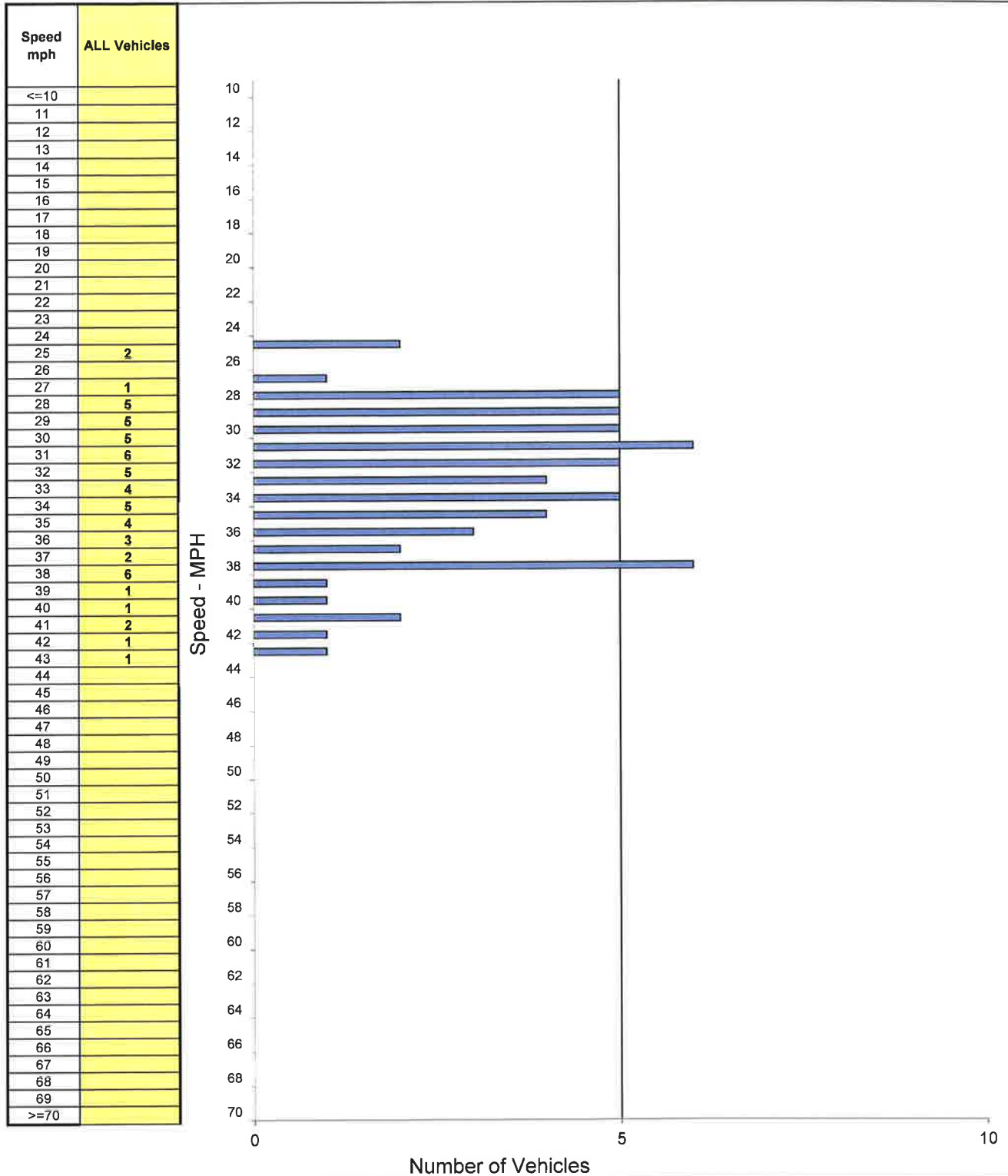
Prepared by: National Data & Surveying Services

## City of Fallbrook

DATE: 8/3/2017  
TIME: 11:00-13:00

Location: Rice Canyon Rd 405' S/O Moon Ridge Rd  
Posted Speed: None Clear/Dry Project #: 17-4264-003

### Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	59	25 - 43	33 mph	38 mph	29 - 38	45	76%	13% / 8	11% / 6

# Spot Speed Study

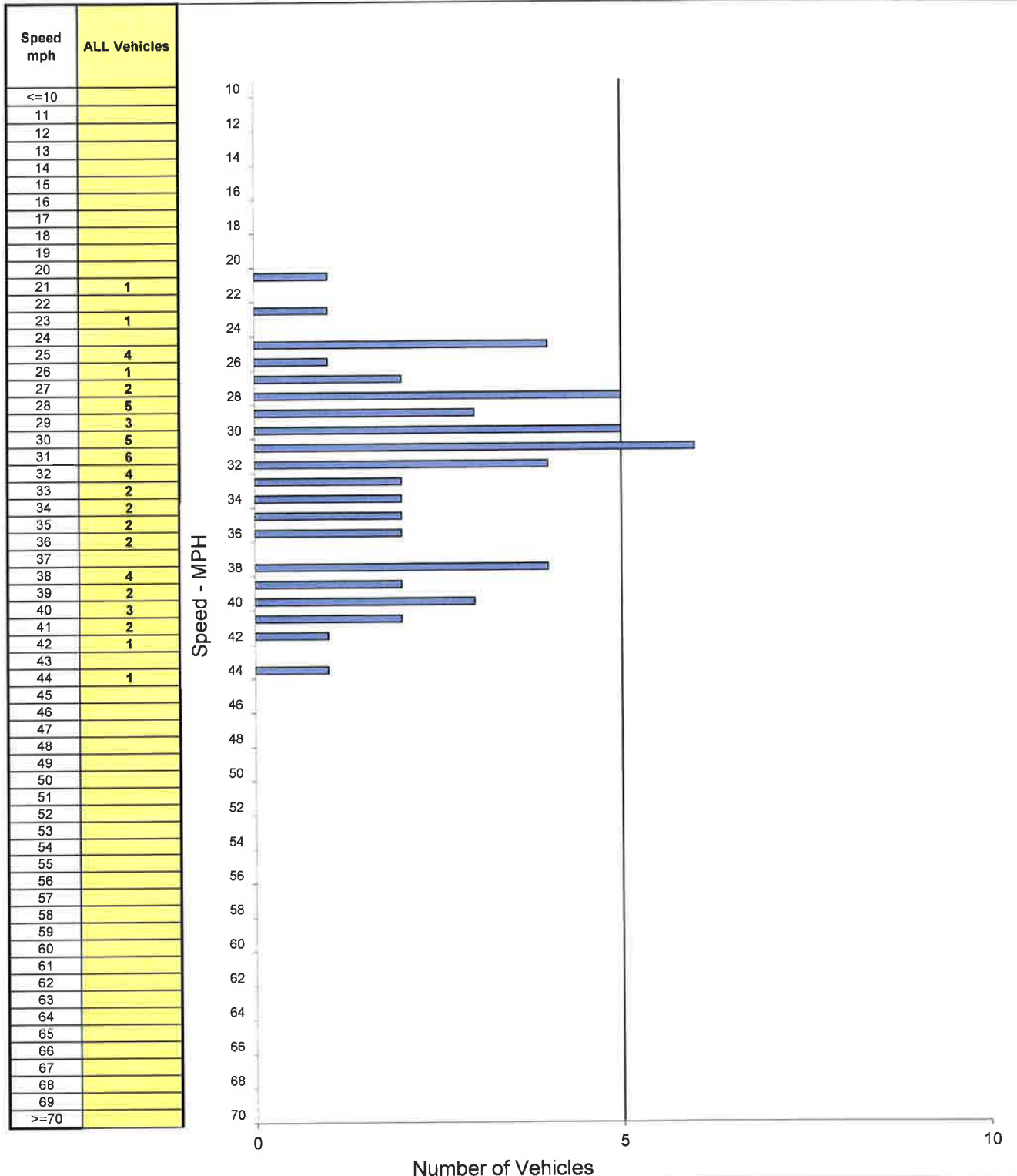
Prepared by: National Data & Surveying Services

## City of Fallbrook

DATE: 8/3/2017  
TIME: 09:00-11:00

Location: Rice Canyon Rd 420' N/O Clearwater Rd  
Posted Speed: None Clear/Dry Project #: 17-4264-002

### Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	53	21 - 44	31 mph	39 mph	25 - 34	34	64%	3% / 2	33% / 17



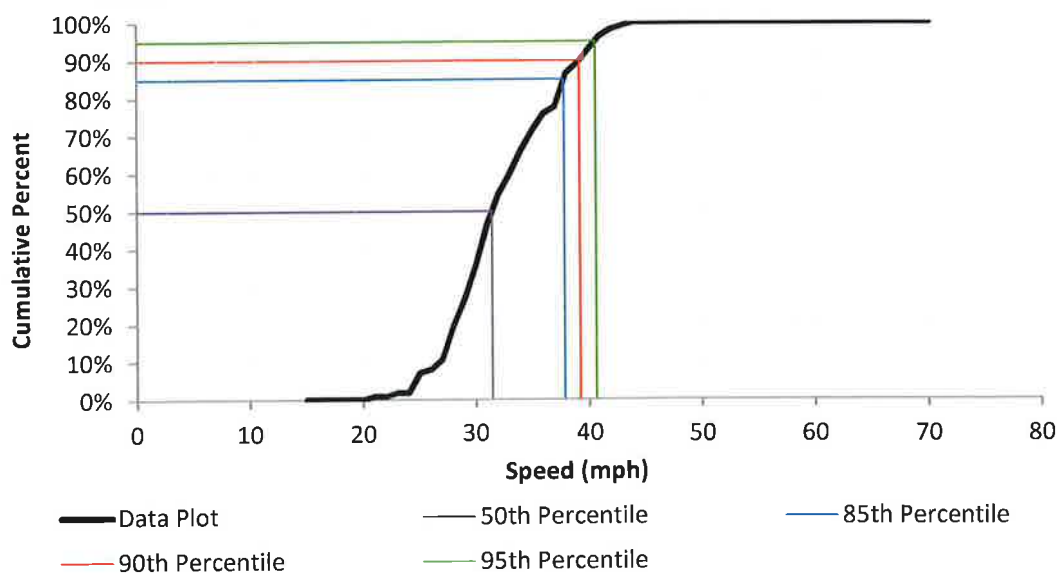
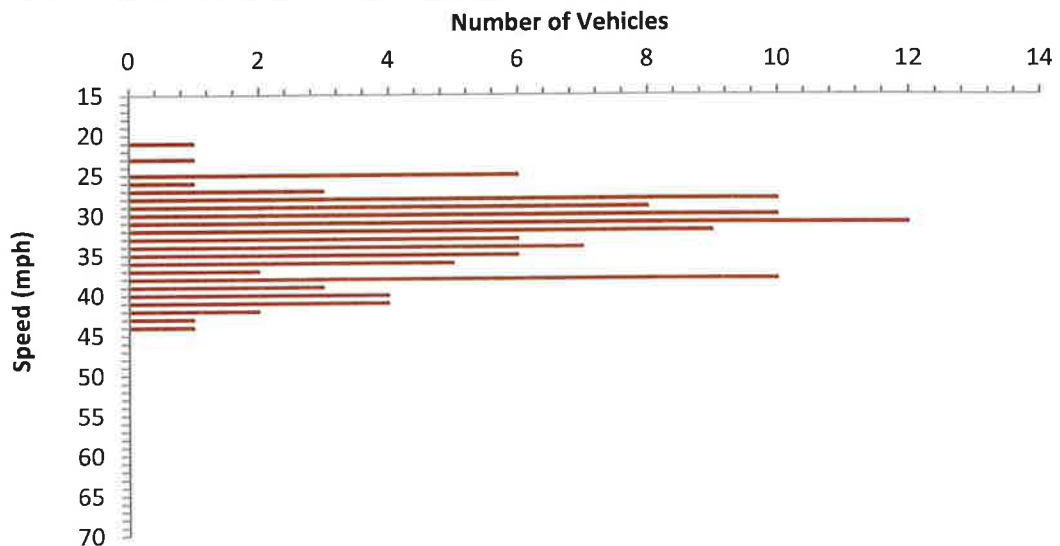


# RADAR SPEED SURVEY

## SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

<b>Road Name:</b>	Rice Canyon Road	<b>From:</b>	Hwy 76	<b>To:</b>	Eighth Street
<b>Position:</b>	Segment Speed Zone	<b>Direction:</b>	NB/SB		
<b>Date:</b>	8/1/2017	<b>Weather:</b>	Clear	<b>Project Number:</b>	0
<b>Time Start:</b>	12:00 AM	<b>Road Condition:</b>	Dry	<b>Observer:</b>	Contractor
<b>Time End:</b>	12:00 AM	<b>Posted Speed:</b>	0	<b>Calibration Test:</b>	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21	1	0.9%
22		
23	1	1.8%
24		
25	6	7.1%
26	1	8.0%
27	3	10.7%
28	10	19.6%
29	8	26.8%
30	10	35.7%
31	12	46.4%
32	9	54.5%
33	6	59.8%
34	7	66.1%
35	6	71.4%
36	5	75.9%
37	2	77.7%
38	10	86.6%
39	3	89.3%
40	4	92.9%
41	4	96.4%
42	2	98.2%
43	1	99.1%
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		
<b>Total</b>	<b>112</b>	



### DATA ANALYSIS

Average Speed	32.7	Range	21 - 44
50th Percentile	31.4	10 mph Pace	27 - 36
85th Percentile	37.8	Number in Pace	76
90th Percentile	39.2	Percent in Pace	68%
95th Percentile	40.6		

## 5-B. Intersection Control Rice Canyon Road at Rainbow Heights Road





## SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

**COMMITTEE REPORT OF:** October 27, 2017

**Item 5-B**

**SUPERVISORIAL DISTRICT:** 5

**SUBJECT:** Intersection Control

**LOCATION:** Rice Canyon Road at Rainbow Heights Road  
RAINBOW (Thos. Bros. 998-J5)

**INITIATED BY:** DPW Traffic Engineering

**REQUEST:** All-Way Stop Control

### **PROBLEM AS STATED BY REQUESTER:**

Motorists are using Rice Canyon Road as a means of circumventing traffic backup on I-15 during the heavy commute hours. During those times many drivers ignore the currently posted stop control putting all motorists in danger.

### **Existing Traffic Devices**

Rice canyon Road is a striped two-lane roadway that intersects Rainbow Heights Road, runs north/south and measures 24 feet wide. It is stop controlled in the northbound direction at Rainbow Heights Road. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

Rainbow Heights Road is a striped two-lane roadway that tees into Rice Canyon Road from the east. It measures 20 feet wide and is striped for a through movement onto Rice Canyon Road northbound. This roadway is unclassified on the County General Plan Mobility Element Network.

### **Average Daily Traffic Volumes Approach**

Rice Canyon Road

**8/17**

1,004 SB

823 NB

Rainbow Heights Road

1,068 WB

### **Collisions**

There have been two reported collisions at this intersection, neither of which involved injury in the last 5 year 7 month period, 1-1-12 to 7-30-17. These collisions result in an intersection accident rate of 0.34 collisions per million vehicle entering. The statewide average is 0.16 collisions per million vehicle entering for similar intersection.





# County of San Diego

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

## COUNTY TRAFFIC ENGINEER RECOMMENDATION.

Date: October 13, 2017

Item Title: All-way stop control

Location: Rice Canyon Road at Rainbow Heights Road

CTE Recommendation: Install all-way stop control *ZAO*

Conditions:

- Section 2B.07 "Multi-Way Stop Applications" of the California MUTCD, provides four optional criteria that may be considered in an engineering study when evaluating an intersection for an all-way stop control.
- Traffic volume counts were taken at all legs of the intersection and each leg has about the same amount of traffic entering the intersection. The all-way stop control is recommended and desired for a balanced intersection in approached traffic.
- A tee intersection is normally stop controlled at the stem of the tee. This is not the case in the existing condition of the intersection. This adds confusion to the motorists.
- Option C of Section 2B.07, lack of sight distance, indicates an all-way stop control may be considered when motorists are unable to see conflicting traffic to determine when it is safe to enter the intersection.
- Sight visibility is limited at the intersection for approaching motorists looking eastbound from Rice Canyon Road onto Rainbow Heights Road and approaching motorists looking southbound from Rainbow Heights

Road onto Rice Canyon Road. These Lines of sight cannot be accomplished by only trimming in the right of way.

- Therefore, an all-way stop at Rice Canyon Road and Rainbow Heights Road is recommended to mitigate for inadequate sight distance of the intersection.

**VOLUME**

Rainbow Heights Rd &amp; Rice Canyon Rd

Day: Tuesday  
Date: 8/29/2017City: Rainbow  
Project #: CA17\_4275\_002

DAILY TOTALS					NB	SB	EB					WB	Total
					823	1,004	0					1,068	2,895
AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00	2	0	0	0	2		12:00	6	15	0	17	38	
00:15	2	0	0	0	2		12:15	9	20	0	12	41	
00:30	8	0	0	6	14		12:30	8	11	0	15	34	
00:45	4	16	0	0	20	6	12:45	16	39	11	57	123	160
01:00	4	4	0	1	9		13:00	10	12	0	19	41	
01:15	0	1	0	1	2		13:15	10	21	0	18	49	
01:30	0	0	0	2	2		13:30	5	14	0	26	45	
01:45	0	4	0	5	9	18	13:45	0	25	10	57	92	153
02:00	0	0	0	0	0		14:00	15	14	0	17	46	
02:15	0	1	0	2	3		14:15	10	16	0	21	47	
02:30	0	0	0	0	0		14:30	13	18	0	27	58	
02:45	0	0	1	0	1	3	14:45	19	57	20	68	156	207
03:00	0	0	0	0	0		15:00	20	32	0	9	61	
03:15	0	0	0	0	0		15:15	15	17	0	10	42	
03:30	1	2	0	2	5		15:30	22	26	0	24	72	
03:45	2	3	0	2	7	2	15:45	28	85	18	93	224	240
04:00	2	0	0	2	4		16:00	19	27	0	12	58	
04:15	1	1	0	3	5		16:15	36	24	0	16	76	
04:30	1	0	0	1	2		16:30	34	33	0	15	82	
04:45	6	10	2	3	21	9	16:45	33	122	19	103	287	281
05:00	2	4	0	6	12		17:00	28	17	0	20	65	
05:15	7	2	0	4	13		17:15	8	31	0	9	48	
05:30	15	5	0	14	34		17:30	19	17	0	12	48	
05:45	18	42	11	22	93	48	17:45	27	82	17	82	208	214
06:00	15	9	0	13	37		18:00	14	17	0	15	46	
06:15	8	15	0	21	44		18:15	13	12	0	14	39	
06:30	15	13	0	25	53		18:30	12	13	0	11	36	
06:45	18	56	29	66	129	84	18:45	7	46	17	59	129	159
07:00	8	15	0	25	48		19:00	15	8	0	12	35	
07:15	8	16	0	18	42		19:15	8	12	0	16	36	
07:30	10	12	0	18	40		19:30	12	15	0	18	45	
07:45	12	38	11	54	115	83	19:45	12	47	15	50	124	150
08:00	23	11	0	25	59		20:00	7	11	0	4	22	
08:15	12	15	0	20	47		20:15	2	12	0	7	21	
08:30	10	16	0	14	40		20:30	0	7	0	8	15	
08:45	4	49	11	53	77	85	20:45	2	11	8	38	59	71
09:00	13	4	0	14	31		21:00	1	18	0	8	27	
09:15	10	9	0	14	33		21:15	2	9	0	2	13	
09:30	4	10	0	16	30		21:30	3	12	0	2	17	
09:45	2	29	13	36	60	66	21:45	0	6	11	50	67	71
10:00	2	14	0	20	36		22:00	2	5	0	0	7	
10:15	6	6	0	14	26		22:15	2	6	0	6	14	
10:30	8	7	0	12	27		22:30	2	1	0	3	6	
10:45	0	16	6	33	55	65	22:45	4	10	7	19	40	41
11:00	11	10	0	12	33		23:00	0	2	0	0	2	
11:15	10	8	0	19	37		23:15	0	3	0	0	3	
11:30	3	16	0	19	38		23:30	0	0	0	2	2	
11:45	6	30	13	47	96	66	23:45	0	1	6	0	7	8
TOTALS	293	322		525	1140		TOTALS	530	682		543	1755	
SPLIT %	25.7%	28.2%		46.1%	39.4%		SPLIT %	30.2%	38.9%		30.9%	60.6%	

DAILY TOTALS					NB	SB					Total
					823	1,004					2,895
AM Peak Hour	07:30	06:30	06:15	06:15			PM Peak Hour	16:15	16:00	12:45	16:15
AM Pk Volume	57	73	96	217			PM Pk Volume	131	103	83	288
Pk Hr Factor	0.620	0.629	0.960	0.753			Pk Hr Factor	0.910	0.780	0.798	0.878
7 - 9 Volume	87	107	168	362			4 - 6 Volume	204	185	106	495
7 - 9 Peak Hour	07:30	07:00	07:30	07:30			4 - 6 Peak Hour	16:15	16:00	16:15	16:15
7 - 9 Pk Volume	57	54	85	191			4 - 6 Pk Volume	131	103	64	288
Pk Hr Factor	0.620	0.844	0.850	0.809			Pk Hr Factor	0.910	0.780	0.800	0.878