San Diego County Traffic Advisory Committee

Committee Secretary
5469 Kearny Villa Road #201, M.S. 0-338
San Diego, California 92123-1159
(858) 874-4030

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 Safety Council
San Diego County Sheriff's Department

October 12, 2012

To: Each Member of the San Diego County Traffic Advisory Committee

From: Secretary

MEETING NOTICE

Attached is the preliminary agenda for the Traffic Advisory Committee meeting to be held **in two weeks** on Friday, October 26, 2012. The meeting will begin at 9:00 AM at the **Department of the Sheriff, Room 2, 9621 Ridgehaven Court in San Diego. (NOTE: Please park in the parking structure)**

KENTON R. JONES, Secretary
San Diego County Traffic Advisory Committee

KRJ:mr-l

Attachment

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

October 26, 2012

AGENDA

I. Call to Order / Roll Call
II. Pledge of Allegiance
III. Approval of Minutes from September 14, 2012
IV. Items for Review

SUBJECT		LOCATION	AREA	PLANNING/ SPONSOR GROUP
SUPERVISORIAL DISTRICT 2				
A.	THROUGH HIGHWAY	ALPINE HEIGHTS ROAD	ALPINE	ALPINE
B.	RADAR RECERTIFICATION	JACKSON HILL DRIVE	EL CAJON	LAKESIDE
C1.	SPEED ZONE EXTENSION	QUAIL CANYON ROAD	BLOSSOM VALLEY	LAKESIDE
C2.	RADAR RECERTIFICATION	QUAIL CANYON ROAD	BLOSSOM VALLEY	LAKESIDE
D.	RADAR RECERTIFICATION	WINTER GARDENS BLVD/SECOND STREET	LAKESIDE/EL CAJON	LAKESIDE
SUPERVISORIAL DISTRICT 5				
A.	INTERSECTION REVIEW	SUNSET ROAD AND VESPER ROAD	VALLEY CENTER	VALLEY CENTER
B.	RADAR RECERTIFICATION	VIA DE LA VALLE	RHO SANTA FE	SAN DIEGUITO
C.	RADAR RECERTIFICATION	SUN VALLEY ROAD	RHO SANTA FE	SAN DIEGUITO
D.	ROADWAY OPERATIONS	CALAVO DRIVE	SAN MARCOS	N/A

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2014 **Item 2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Through Highway

LOCATION: Alpine Heights Road from South Grade Road to End, (a distance of 1.35 miles) ALPINE (Thos. Bros. 1253-J1) Alpine Community Planning Group.

INITIATED BY: DPW-Traffic Engineering

REQUEST: Review for Through Highway Designation

PROBLEM AS STATED BY REQUESTER:

The establishment of a Through Highway assigns right-of-way to motorists traveling on a road carrying a high volume of daily traffic. Typically, the flow of traffic is improved on a road designated as a Through Highway because all intersecting roads are regulated by stop controls or traffic signals.

A Through Highway, as defined by Section 600 of the California Vehicle Code, may be considered on a road carrying predominantly through traffic when one of the following conditions exists:

- 2,000 or more vehicles a day travel on the proposed Through Highway.
- On roads where the daily traffic volume is at least 1,000 vehicles and any one of the following conditions exists:
    - Is a regularly scheduled public transit route.
    - Is a logical extension of an existing Through Highway.
    - Serves as a Residential Collector route or is identified as a Circulation Element road on the County General Plan.
- 50% or more of the intersections between the limits of the proposed Through Highway are currently controlled with stop signs or traffic signals.

Alpine Heights Road has an average daily traffic volume of 3,000 vehicles a day and a preliminary review of the roadway's existing operating conditions support the designation of a Through Highway.

DATA:

Existing Traffic Devices

Alpine Heights Road is a striped two-lane roadway that measures approximately 23 to 31 feet wide. This roadway is unclassified on the County General Plan Mobility Element Network. The road is posted 45 MPH/Radar Certified from South Grade Road easterly 3,000 feet, beyond it is an unposted roadway.

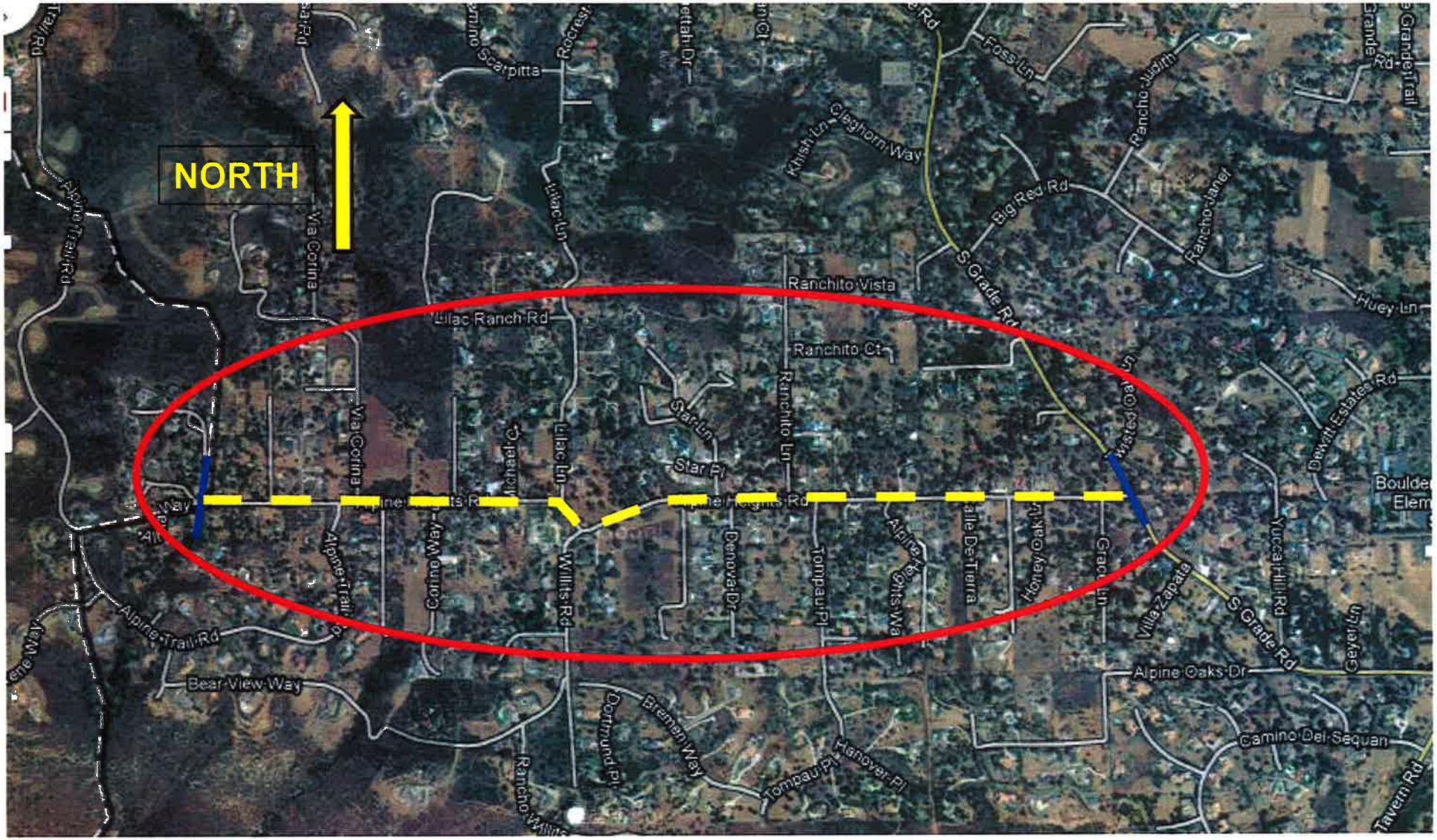
Average Daily Traffic Volumes	6/11	10/06	1/98
Alpine Heights Road:			
W/o South Grade	3,010*		2,390*
E/o Tompau Pl		1,780*	

* Two-way count

Collision Data

There have been seven reported collisions, three of which involved injury, along this segment of roadway in the last five years (04-30-07 to 04-30-12).

Alpine Heights Road



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	October 26, 2012	**Item 2-B**
SUPERVISORIAL DISTRICT:	2	
SUBJECT:	Radar Recertification	
LOCATION:	Jackson Hill Drive from Pepper Drive northerly to the End (0.6 miles), EL CAJON (Thos. Bros. 1252-B1) Lakeside Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 40 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Jackson Hill Drive is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Jackson Hill Drive is a striped two-lane roadway between 21 feet and 33 feet wide. There is edge-striping along both sides of the roadway. The road is unclassified on the County General Plan Mobility Element Network. The road is posted 40 MPH/Radar Enforced.

Average Daily Traffic Volumes	**10/12**	**01/06**	**04/02**
Jackson Hill Drive:			
N/o Jackson Hill Court	2,500* (est)	2,170*	
N/o Pepper Drive			2,440*

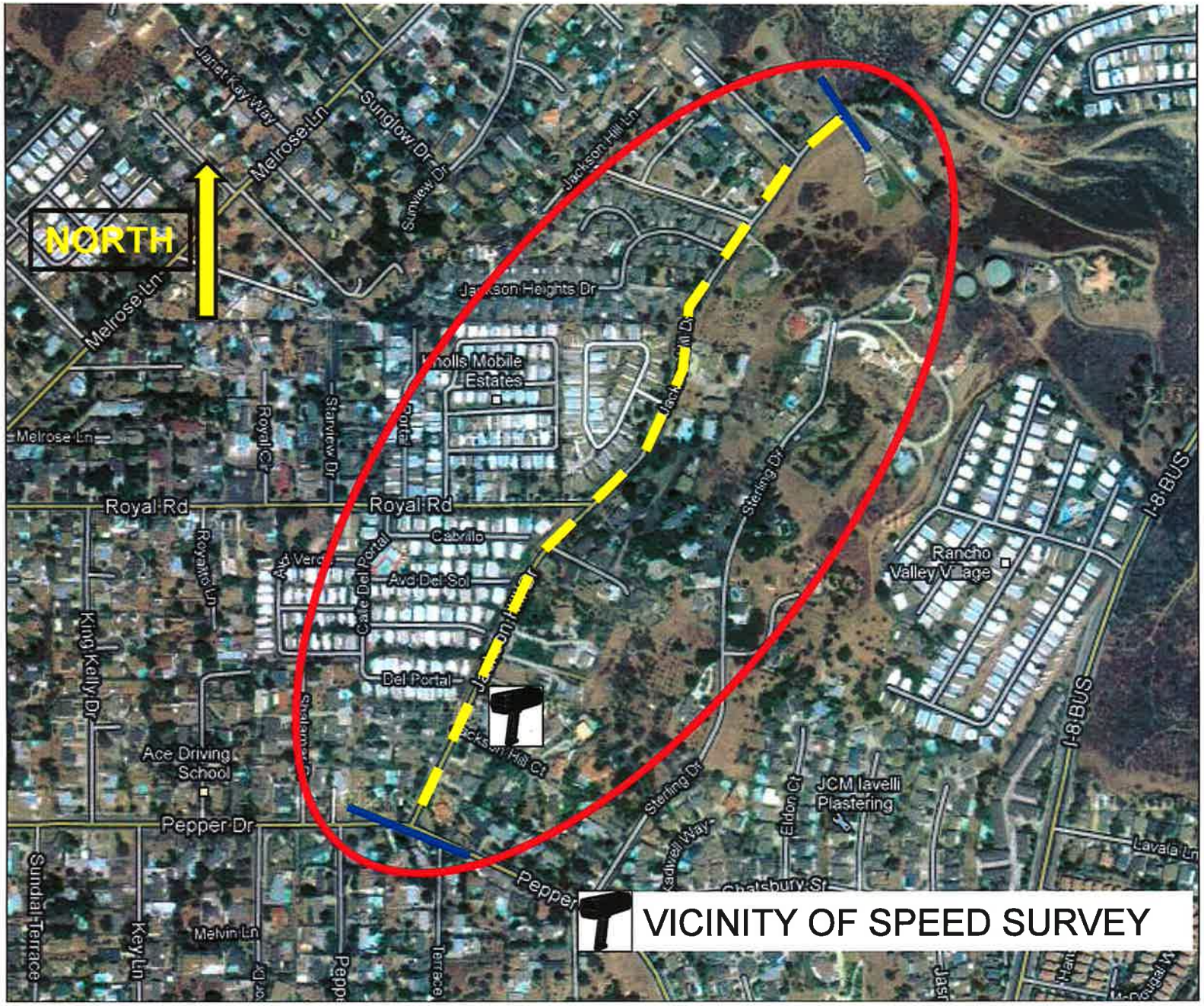
* Two-way count

Spot Speed Data		**85th Percentile**	**10 MPH Pace**	**% in Pace**
Jackson Hill Drive:				
200' N/o Jackson Hill Ct	(2012)	43.5 MPH	32-41	63.7%
	(2005)	40.5 MPH	32-41	68.5%

Collision Data

There have been no reported collisions along this segment of roadway in the last two years (02-29-10 to 02-29-12).

Jackson Hill Drive



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Jackson HIll Drive 200' N/o Jackson Hill Ct

DATE: 9/18/12 TIME START: 10 am TIME END: noon WEATHER: clear ROAD TYPE: good

DIRECTION: xbt SPEED LIMIT: 40mph OBSERVER: contractor CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					|0---------5--------10--------15--------20--------
22	1	22	1	0.3	|*
23	2	46	3	0.9	|**
24	1	24	4	1.3	|*
25	2	50	6	1.9	|**
26	3	78	9	2.8	|**
27	1	27	10	3.1	|*
28	5	140	15	4.7	|****
29	5	145	20	6.3	|****
30	10	300	30	9.4	|*******
31	6	186	36	11.3	|****
32	14	448	50	15.6	|*********
33	16	528	66	20.6	|**********
34	16	544	82	25.6	|**********
35	25	875	107	33.4	|**********
36	25	900	132	41.3	|**********
37	15	555	147	45.9	|**********
38	15	570	162	50.6	|**********
39	25	975	187	58.4	|**********
40	32	1280	219	68.4	|**********
41	21	861	240	75.0	|**********
42	11	462	251	78.4	|*******
43	15	645	266	83.1	|**********
44	11	484	277	86.6	|*******
45	11	495	288	90.0	|*******
46	10	460	298	93.1	|*******
47	10	470	308	96.3	|*******
48	2	96	310	96.9	|**
49	4	196	314	98.1	|***
50	1	50	315	98.4	|*
51	0	0	315	98.4	|*
52	2	104	317	99.1	|**
53	1	53	318	99.4	|*
54	1	54	319	99.7	|*
55	1	55	320	100.0	|*
					|0---------5--------10--------15--------20--------
	320	12178			

AVERAGE SPEED = 38
50th PERCENTILE = 37.8
85th PERCENTILE = 43.5
90th PERCENTILE = 45
95th PERCENTILE = 46.6

PACE = 32 - 41
% IN PACE = 63.7
VEHICLES IN PACE = 204

SAMPLE VARIANCE = 32.59875
STANDARD DEVIATION = 5.709532
RANGE 1*S = 67.5
RANGE 2*S = 95.3125
RANGE 3*S = 100

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT:
1. Speed Zone Extension
2. Radar Recertification

LOCATION: Quail Canyon Road from Blossom Valley Road easterly to Espinoza Road, BLOSSOM VALLEY (TB 1232-G4) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST:
1. Extend Existing 40 mph Speed Limit
2. Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

1. As a result of recent development, Quail Canyon Road has been extended an additional 0.7 miles to Espinoza Road. This portion of roadway is due to be accepted into the County-Maintained Road System. A preliminary review indicates similar operating conditions exist along this extension in support of extending the 40 MPH posted speed limit to formalize the existing driving pattern.

2. Quail Canyon Road from Blossom Valley Road easterly to a point 470 feet east of Tombstone Creek Road is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

DATA:

Existing Traffic Devices

Quail Canyon Road is a striped two-lane residential-in-nature roadway that measures 40 feet in width. This roadway is classified as a Light Collector on the County General Plan Mobility Element Network. It is posted 40 MPH/Radar Enforced from Blossom Valley Road easterly to a point 470 feet east of Tombstone Creek Road; beyond to Espinoza Road it is an unposted roadway.

Average Daily Traffic Volumes	10/12	4/01	5/99
Quail Canyon Road:			
N/o Blossom Valley Road	2,150* (est.)	1,650*	1,560*

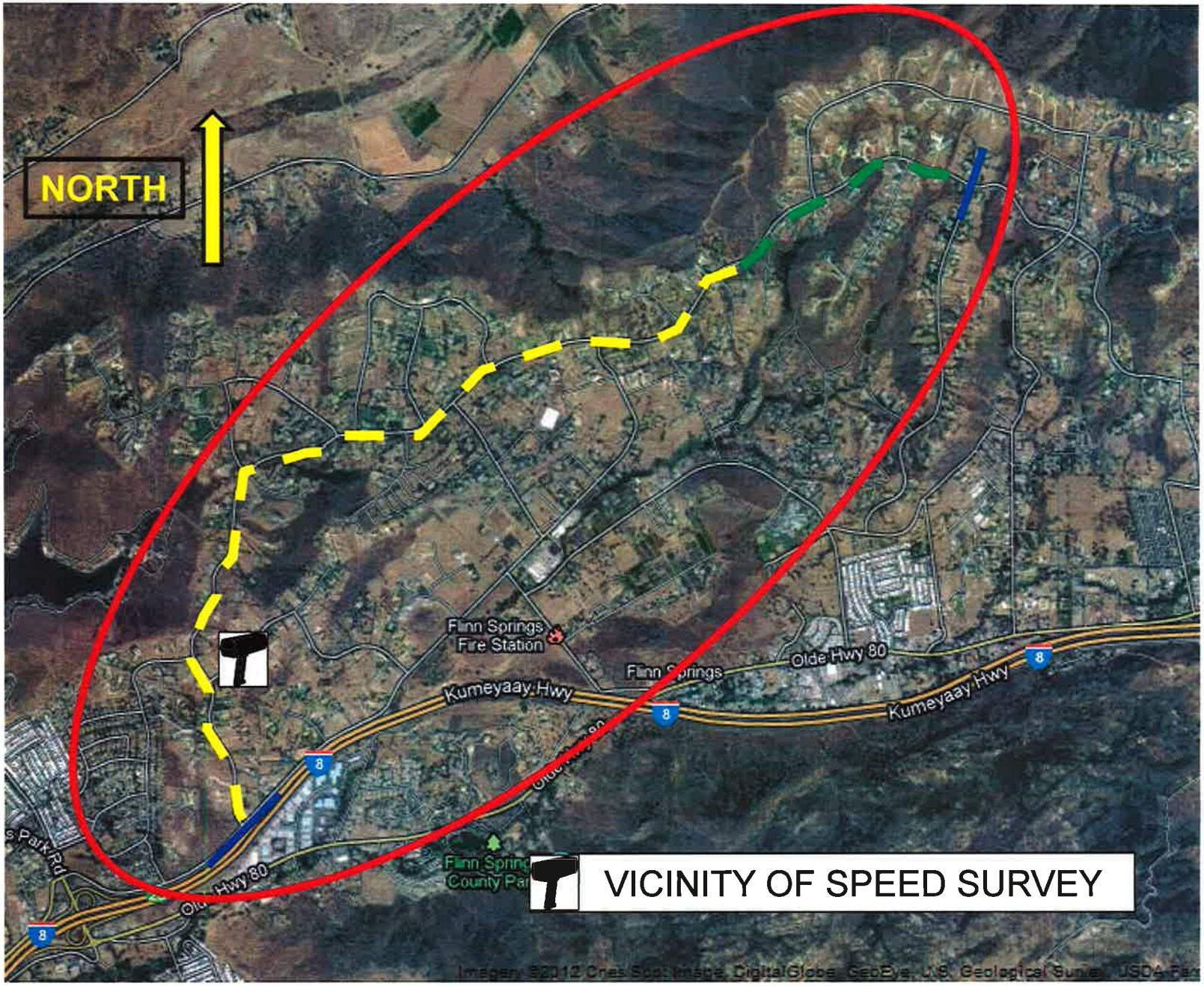
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Quail Canyon Road:				
300' E/o Crest Hills Rd	(2012)	46.2 MPH	33-42	59.6%
100' S/o Palomino Ridge Drive	(2012)	41.0 MPH	32-41	67.6%
	(2006)	42.5 MPH	31-40	58.8%

Collision Data

There have been five reported collisions, one of which involved injury, from Blossom Valley Road easterly to a point 470 feet east of Tombstone Creek Road, in the last two years (02-29-10 to 02-29-12).

Quail Canyon Road



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Quail canyon rd 300 ft e/o Crest Hills Rd

DATE: 10-16-2012 TIME START: 9:40 am TIME END: 11:15 am WEATHER: clear ROAD TYPE:

DIRECTION: eb wb SPEED LIMIT: 40 mph OBSERVER: Marie CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					|0---------5--------10--------15--------20--------
30	1	30	1	1.8	|****
31	1	31	2	3.5	|****
32	1	32	3	5.3	|****
33	1	33	4	7.0	|****
34	2	68	6	10.5	|********
35	5	175	11	19.3	|**********
36	5	180	16	28.1	|**********
37	2	74	18	31.6	|********
38	5	190	23	40.4	|**********
39	1	39	24	42.1	|****
40	6	240	30	52.6	|**********
41	5	205	35	61.4	|**********
42	2	84	37	64.9	|********
43	1	43	38	66.7	|****
44	2	88	40	70.2	|********
45	4	180	44	77.2	|**********
46	4	184	48	84.2	|**********
47	2	94	50	87.7	|********
48	3	144	53	93.0	|**********
49	1	49	54	94.7	|****
50	0	0	54	94.7	|*
51	1	51	55	96.5	|****
52	2	104	57	100.0	|********
53	0	0	57	100.0	|*
					|0---------5--------10--------15--------20--------
	57	2318			

AVERAGE SPEED = 40.6
50th PERCENTILE = 39.7
85th PERCENTILE = 46.2
90th PERCENTILE = 47.4
95th PERCENTILE = 50.1

PACE = 33 - 42
% IN PACE = 59.6
VEHICLES IN PACE = 34

SAMPLE VARIANCE = 29.69043
STANDARD DEVIATION = 5.448893
RANGE 1*S = 64.91229
RANGE 2*S = 96.49122
RANGE 3*S = 100

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Quail canyon rd 300 ft e/o Crest Hills Rd

DATE: 10-16-2012 TIME START: 9:40 am TIME END: 11:15 am WEATHER: clear ROAD TYPE:

DIRECTION: eb wb SPEED LIMIT: 40 mph OBSERVER: Marie CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					|0---------5--------10--------15--------20--------
30	1	30	1	1.8	|****
31	1	31	2	3.5	|****
32	1	32	3	5.3	|****
33	1	33	4	7.0	|****
34	2	68	6	10.5	|********
35	5	175	11	19.3	|**********
36	5	180	16	28.1	|**********
37	2	74	18	31.6	|********
38	5	190	23	40.4	|**********
39	1	39	24	42.1	|****
40	6	240	30	52.6	|**********
41	5	205	35	61.4	|**********
42	2	84	37	64.9	|********
43	1	43	38	66.7	|****
44	2	88	40	70.2	|********
45	4	180	44	77.2	|**********
46	4	184	48	84.2	|**********
47	2	94	50	87.7	|********
48	3	144	53	93.0	|**********
49	1	49	54	94.7	|****
50	0	0	54	94.7	|*
51	1	51	55	96.5	|****
52	2	104	57	100.0	|********
53	0	0	57	100.0	|*
					|0---------5--------10--------15--------20--------
	57	2318			

AVERAGE SPEED = 40.6
50th PERCENTILE = 39.7
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95th PERCENTILE = 50.1

PACE = 33 - 42
% IN PACE = 59.6
VEHICLES IN PACE = 34

SAMPLE VARIANCE = 29.69043
STANDARD DEVIATION = 5.448893
RANGE 1*S = 64.91229
RANGE 2*S = 96.49122
RANGE 3*S = 100

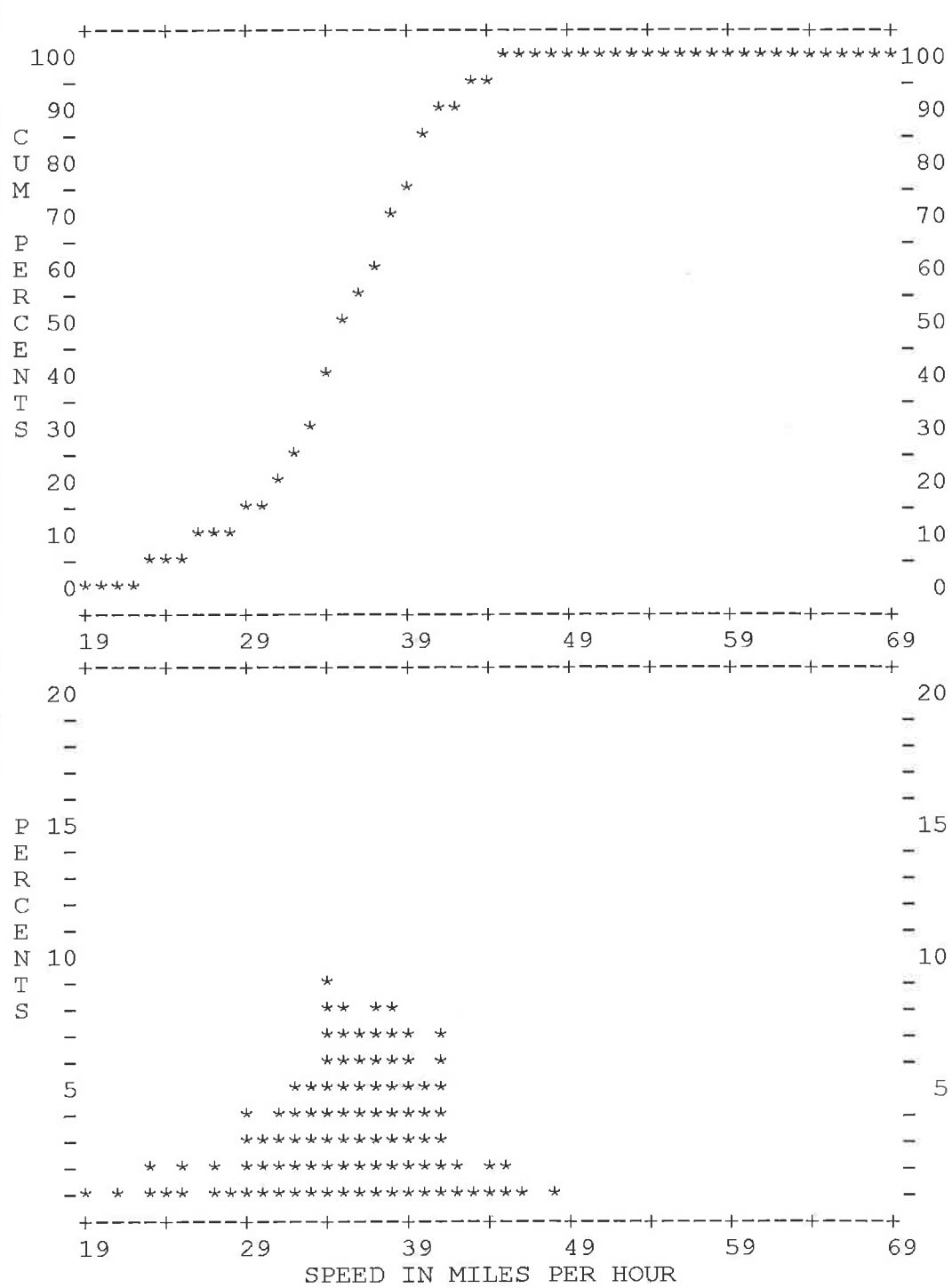
Bather Belrose Boje, Inc. SPEEDPLOT Program

STREET..... 0 Blk. Quail Canyon Rd 100' South of Palomino R
LIMITS..... to

DIRECTION(S).....NBSB
DATE.....09.05.12
TIME.....10am
POSTED SPEED LIMIT....30

50TH PERCENTILE SPEED.....36
85TH PERCENTILE SPEED.....41
10 MPH PACE SPEED.....32 through 41
PERCENT IN PACE SPEED..... 67.6
PERCENT OVER PACE SPEED.....10.7
PERCENT UNDER PACE SPEED.....21.7
RANGE OF SPEEDS.....19 to 48
VEHICLES OBSERVED..... 253
AVERAGE SPEED.....35.4

SPEED	NO.	PCT.	CUM. PCT.
19	3	1.2	1.2
20	0	0.0	1.2
21	2	0.8	2.0
22	1	0.4	2.4
23	4	1.6	4.0
24	2	0.8	4.7
25	6	2.4	7.1
26	1	0.4	7.5
27	6	2.4	9.9
28	3	1.2	11.1
29	9	3.6	14.6
30	7	2.8	17.4
31	11	4.3	21.7
32	12	4.7	26.5
33	12	4.7	31.2
34	22	8.7	39.9
35	20	7.9	47.8
36	18	7.1	54.9
37	19	7.5	62.5
38	20	7.9	70.4
39	18	7.1	77.5
40	13	5.1	82.6
41	17	6.7	89.3
42	6	2.4	91.7
43	3	1.2	92.9
44	6	2.4	95.3
45	6	2.4	97.6
46	3	1.2	98.8
47	0	0.0	98.8
48	3	1.2	100.0



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 2-D**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Winter Gardens Boulevard/Second Street from Woodside Avenue southerly to the El Cajon City Limit (2.8 miles), EL CAJON/LAKESIDE (Thos. Bros. 1232-A1) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 45 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Winter Gardens Boulevard/Second Street is posted 45 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 45 MPH speed limit.

Existing Traffic Devices

Winter Gardens Boulevard/Second Street is a striped two-lane Through Highway between 60 feet and 82 feet wide. There is a two-way left turn lane separating both directions of travel. There are five signalized intersections along this segment of roadway. There are bike lanes along 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.

Average Daily Traffic Volumes	04/12	09/05
Winter Gardens Blvd/Second St:		
@ Winter Gardens Drive	16,510*	
S/o Rockcrest Road		15,280*
N/o Lemon Crest Drive		15,540*

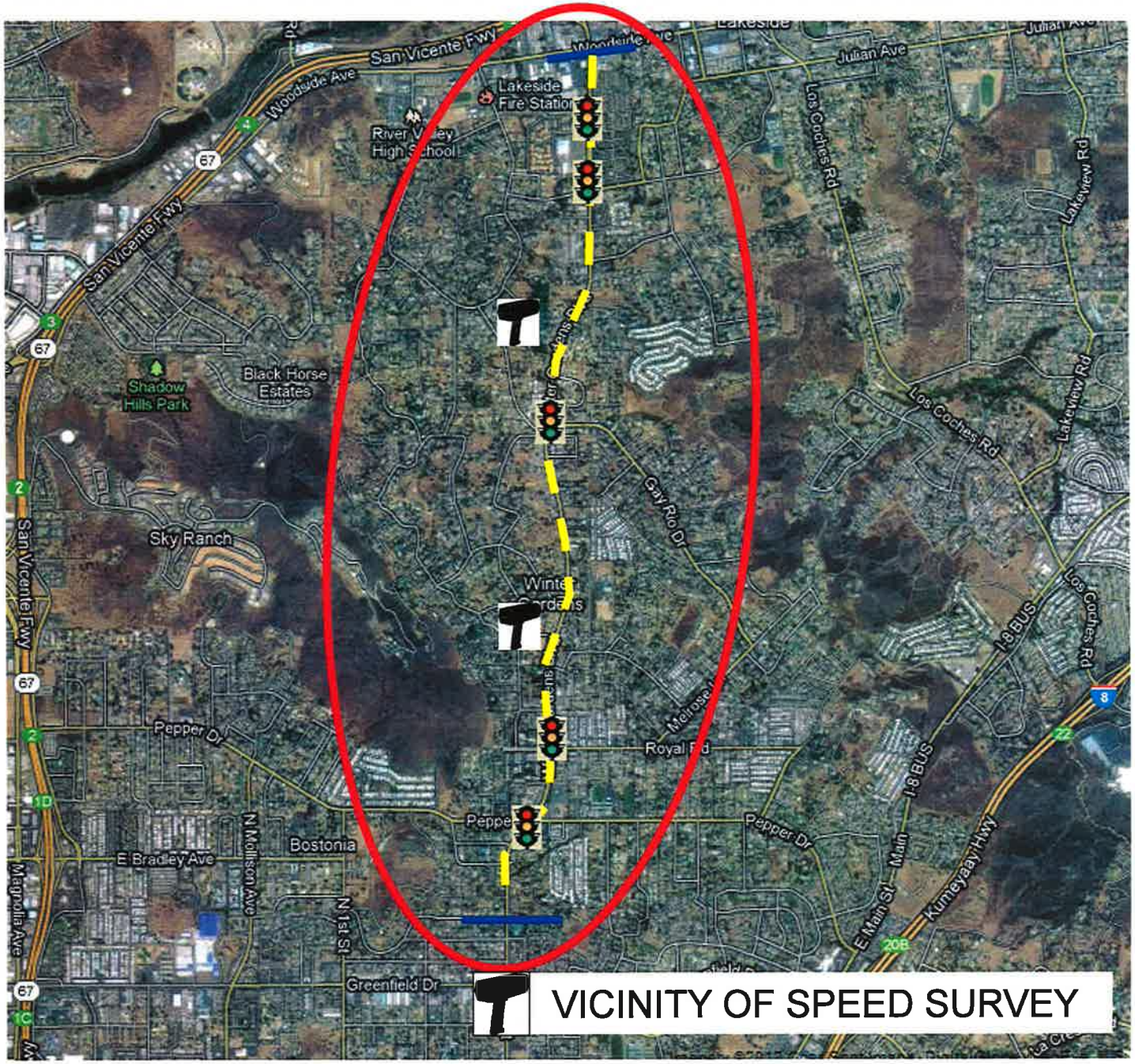
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Winter Gardens Blvd/Second St:				
100' N/o Sapota Drive	(2012)	46.0 MPH	37-46	68.8%
	(2005)	50.5 MPH	39-48	62.0%
210' N/o Rockcrest Rd	(2012)	45.0 MPH	37-46	71.1%
	(2005)	47.3 MPH	38-47	73.9%

Collision Data

There have been 108 reported collisions, 41 of which involved injury, along this segment of roadway, in the last two years (02-29-10 to 02-29-12).

Winter Gardens Blvd/Second Street



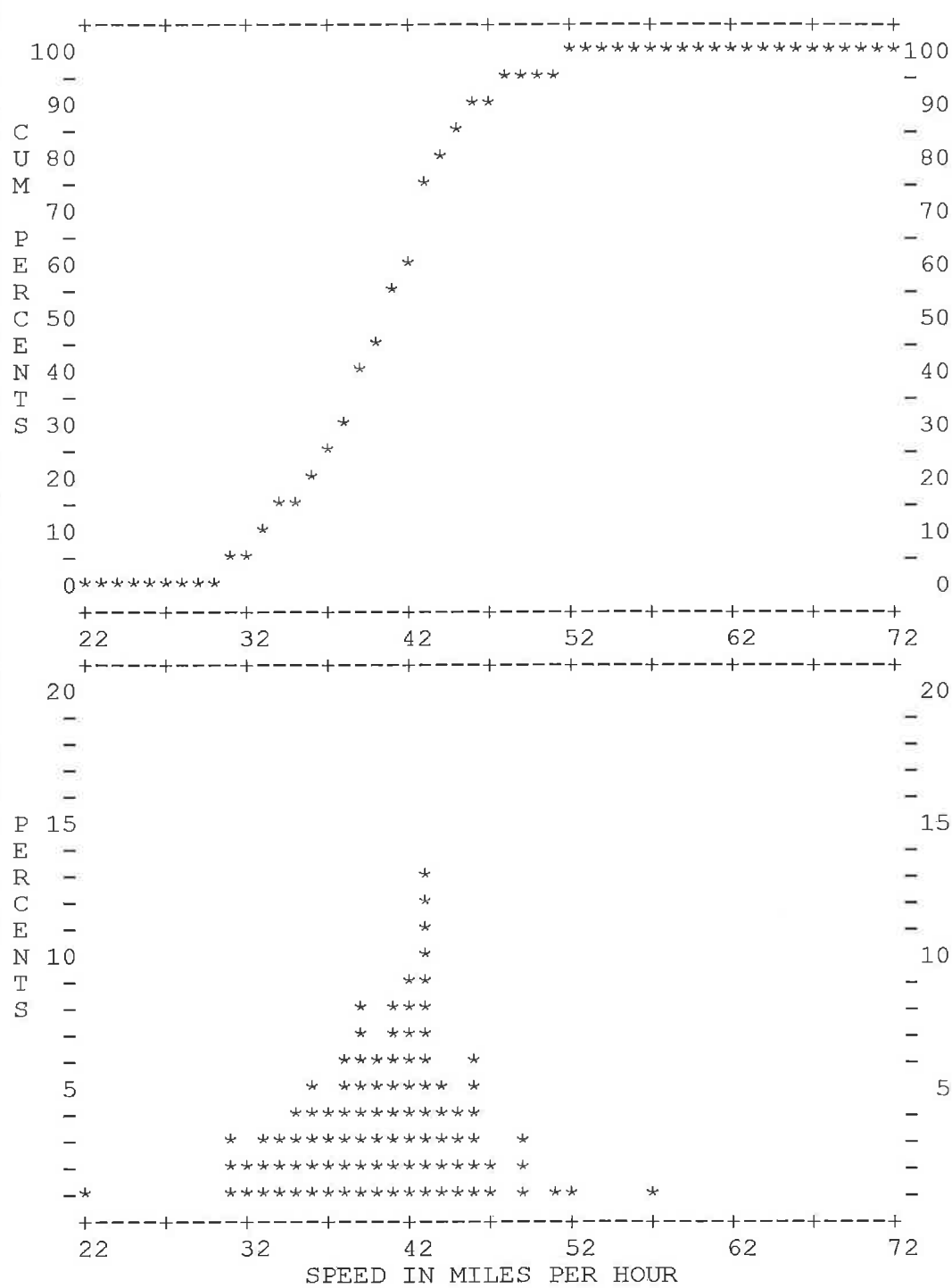
Bather Belrose Boje, Inc. SPEEDPLOT Program

STREET..... 0 Blk. Winter Gardens 100' North of Sapota Dr.
LIMITS..... to

DIRECTION(S).....NBSB
DATE.....9.6.12
TIME.....12pm
POSTED SPEED LIMIT....45

50TH PERCENTILE SPEED.....41
85TH PERCENTILE SPEED.....46
10 MPH PACE SPEED.....37 through 46
PERCENT IN PACE SPEED..... 68.8
PERCENT OVER PACE SPEED..... 9.5
PERCENT UNDER PACE SPEED.....21.7
RANGE OF SPEEDS.....22 to 57
VEHICLES OBSERVED..... 221
AVERAGE SPEED.....40.6

SPEED	NO.	PCT.	CUM. PCT.
22	2	0.9	0.9
23	0	0.0	0.9
24	1	0.5	1.4
25	0	0.0	1.4
26	0	0.0	1.4
27	0	0.0	1.4
28	0	0.0	1.4
29	1	0.5	1.8
30	1	0.5	2.3
31	6	2.7	5.0
32	4	1.8	6.8
33	7	3.2	10.0
34	7	3.2	13.1
35	8	3.6	16.7
36	11	5.0	21.7
37	9	4.1	25.8
38	13	5.9	31.7
39	17	7.7	39.4
40	14	6.3	45.7
41	18	8.1	53.8
42	19	8.6	62.4
43	29	13.1	75.6
44	11	5.0	80.5
45	9	4.1	84.6
46	13	5.9	90.5
47	4	1.8	92.3
48	1	0.5	92.8
49	7	3.2	95.9
50	1	0.5	96.4
51	2	0.9	97.3
52	2	0.9	98.2
53	1	0.5	98.6
54	1	0.5	99.1
55	0	0.0	99.1
56	0	0.0	99.1
57	2	0.9	100.0



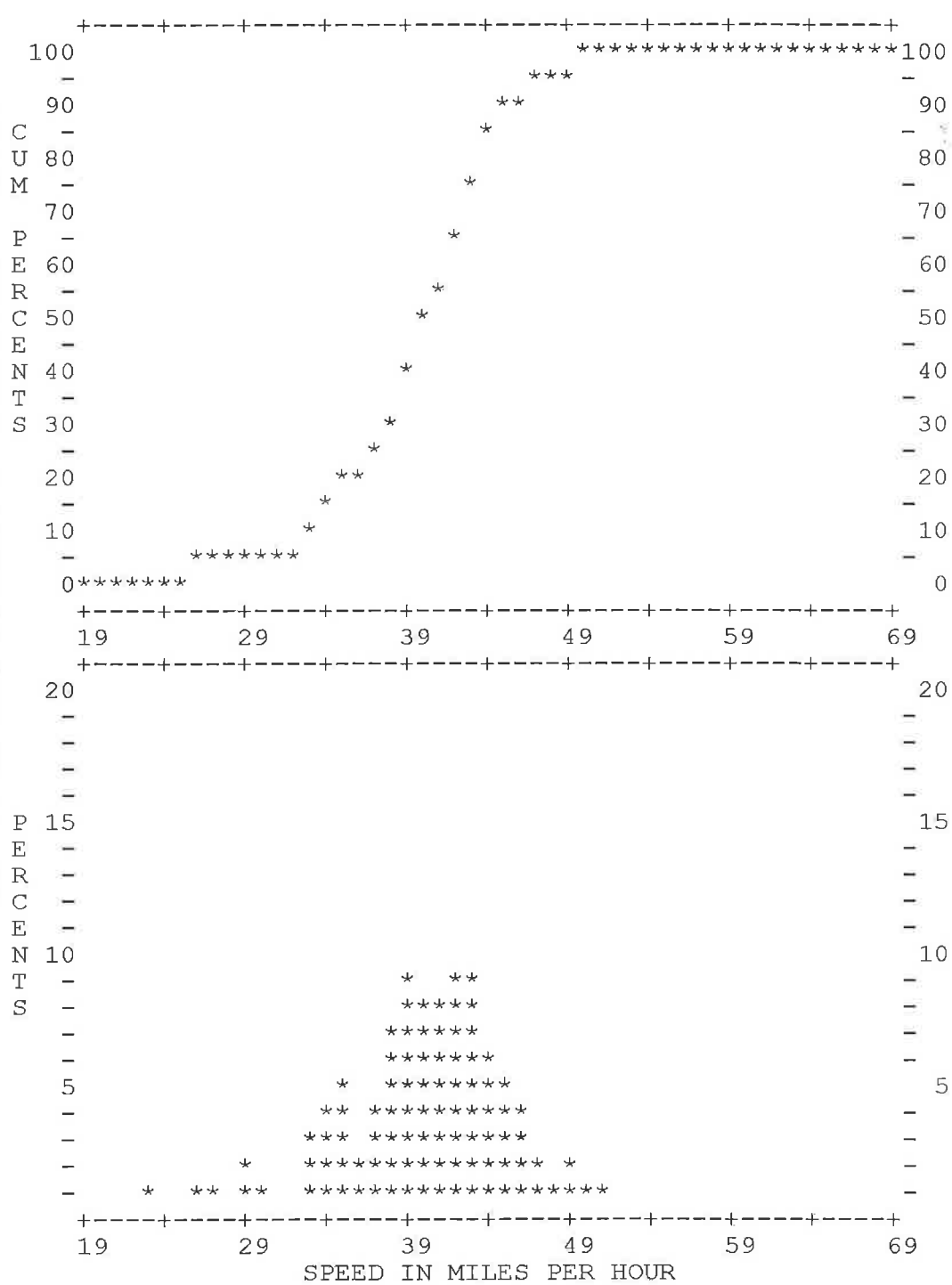
Bather Belrose Boje, Inc. SPEEDPLOT Program

STREET..... 0 Blk. Winter Gardens 200' North of Rockcrest
LIMITS..... to

DIRECTION(S).....NBSB
DATE.....9.6.12
TIME.....9am
POSTED SPEED LIMIT....45

50TH PERCENTILE SPEED.....41
85TH PERCENTILE SPEED.....45
10 MPH PACE SPEED.....37 through 46
PERCENT IN PACE SPEED..... 71.1
PERCENT OVER PACE SPEED..... 7.8
PERCENT UNDER PACE SPEED.....21.1
RANGE OF SPEEDS.....19 to 53
VEHICLES OBSERVED..... 232
AVERAGE SPEED.....40.0

SPEED	NO.	PCT.	CUM. PCT.
19	1	0.4	0.4
20	0	0.0	0.4
21	0	0.0	0.4
22	0	0.0	0.4
23	2	0.9	1.3
24	0	0.0	1.3
25	1	0.4	1.7
26	2	0.9	2.6
27	2	0.9	3.4
28	0	0.0	3.4
29	5	2.2	5.6
30	2	0.9	6.5
31	0	0.0	6.5
32	1	0.4	6.9
33	7	3.0	9.9
34	10	4.3	14.2
35	11	4.7	19.0
36	5	2.2	21.1
37	9	3.9	25.0
38	17	7.3	32.3
39	22	9.5	41.8
40	18	7.8	49.6
41	18	7.8	57.3
42	22	9.5	66.8
43	22	9.5	76.3
44	15	6.5	82.8
45	12	5.2	87.9
46	10	4.3	92.2
47	5	2.2	94.4
48	2	0.9	95.3
49	5	2.2	97.4
50	3	1.3	98.7
51	2	0.9	99.6
52	0	0.0	99.6
53	1	0.4	100.0



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 5-A**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Intersection Review

LOCATION: Sunset Road and Vesper Road, VALLEY CENTER (Thos. Bros. 1091-B1) Valley Center Community Planning Group

INITIATED BY: Valley Center Community Planning Group

REQUEST: Review for Regulatory Control

PROBLEM AS STATED BY REQUESTER:

At the August 13, 2012 Valley Center Community Planning Group meeting, a request by residents on Sunset Road was presented for the establishment of an all-way stop control at the intersection of Sunset Road and Vesper Road. The Group recommended this matter be forwarded to the Traffic Advisory Committee (Vote: 12-0-1-2).

Subsequently, DPW-Traffic Engineering Service Request Group reviewed and determined none of the statewide guidelines for justification of an all-way stop control are met. They respectfully forwarded a recommendation for your review to formalize the predominate flow of traffic through the intersection and consider the establishment of stop controls on the southbound and westbound approaches.

Existing Traffic Devices

(NOTE: The east-to-southbound and north-to-westbound turning movements form the predominate flow through the intersection.)

Sunset Road, south leg, is a striped two-lane roadway measuring 34 feet in width. The north leg is an unpaved private road that measures 21 feet wide. The road is unclassified on the County General Plan Mobility Element Network. The road is unposted.

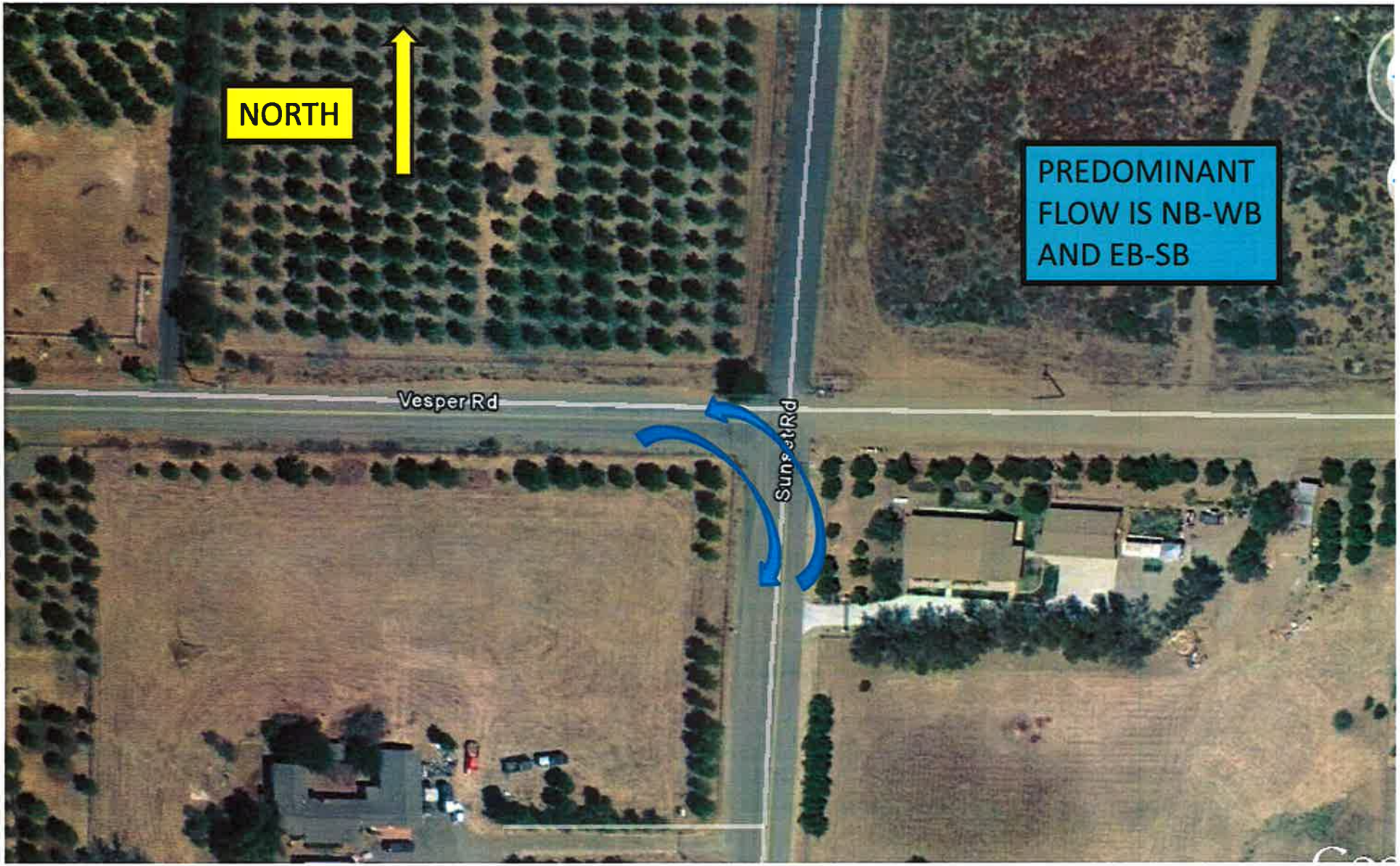
Vesper Road, west leg, is a striped two-lane roadway measuring 33 feet in width. The east leg is an unstriped private road that measures 24 feet wide. The road is unclassified on the County General Plan Mobility Element Network. The road is unposted.

Average Daily Traffic Volumes	**09/12**
Sunset Road:	
N/o Vesper Road	270 SB
S/o Vesper Road	360 NB
Vesper Road	
E/o Sunset Road	150 WB
W/o Sunset Road	370 EB

Collision Data

There has been one reported non-injury collision at this intersection in the last five years (02-29-07 to 02-29-12). It involved a southbound motorist who violated the right-of-way of an eastbound vehicle.

VESPER ROAD @ SUNSET ROAD



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Via de La Valle from the San Diego City Limit northerly to Paseo Delicias (3.55 miles), RANCHO SANTA FE (Thos. Bros. 1188-C1) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 45 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Via de La Valle is posted 45 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 45 MPH speed limit.

Existing Traffic Devices

Via de La Valle is a striped two-lane Through Highway between 28 feet and 66 feet wide. There are two sections with a two-way left-turn lane separating both directions of travel. There is edge-striping along both sides of the roadway. The road is classified as a Community Collector on the County General Plan Mobility Element Network. The road is posted 45 MPH/Radar Enforced.

Average Daily Traffic Volumes	10/12	11/05	01/98
Via de La Valle:			
N/o San Diego City Limit	15,500* (est)	14,700*	15,860*
S/o Paseo Delicias	13,000* (est)	12,390*	13,800*

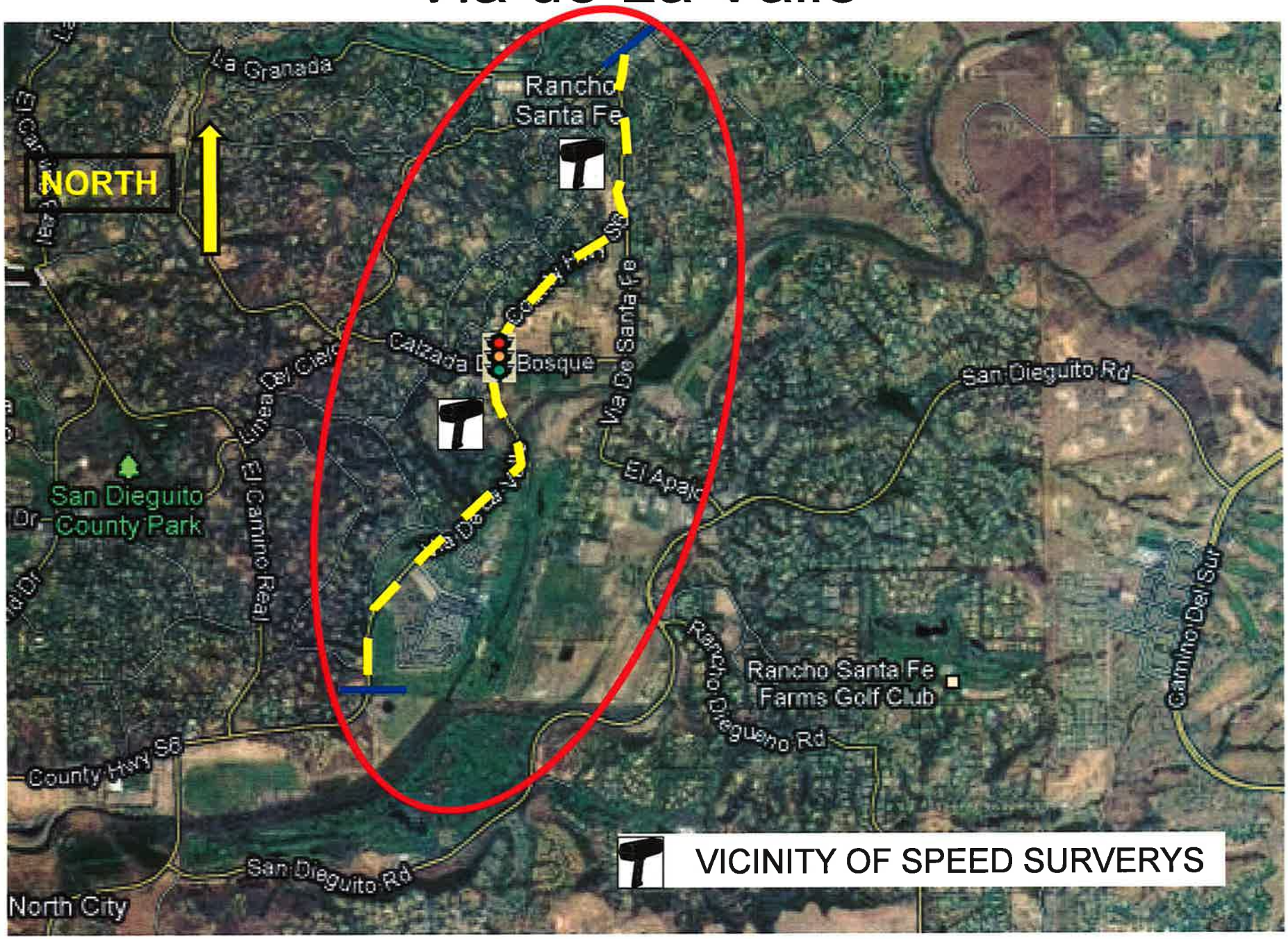
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Via de La Valle:				
800' S/o Calzada Del Bosque	(2012)	45.0 MPH	36-45	67.0%
	(2005)	47.7 MPH	39-48	70.8%
1,500' N/o Via de Santa Fe	(2012)	47.5 MPH	39-48	76.4%
	(2005)	46.5 MPH	36-45	67.3%

Collision Data

There have been 22 reported collisions, ten of which involved injury, along this segment of roadway, in the last two years (02-29-10 to 02-29-12).

Via de La Valle



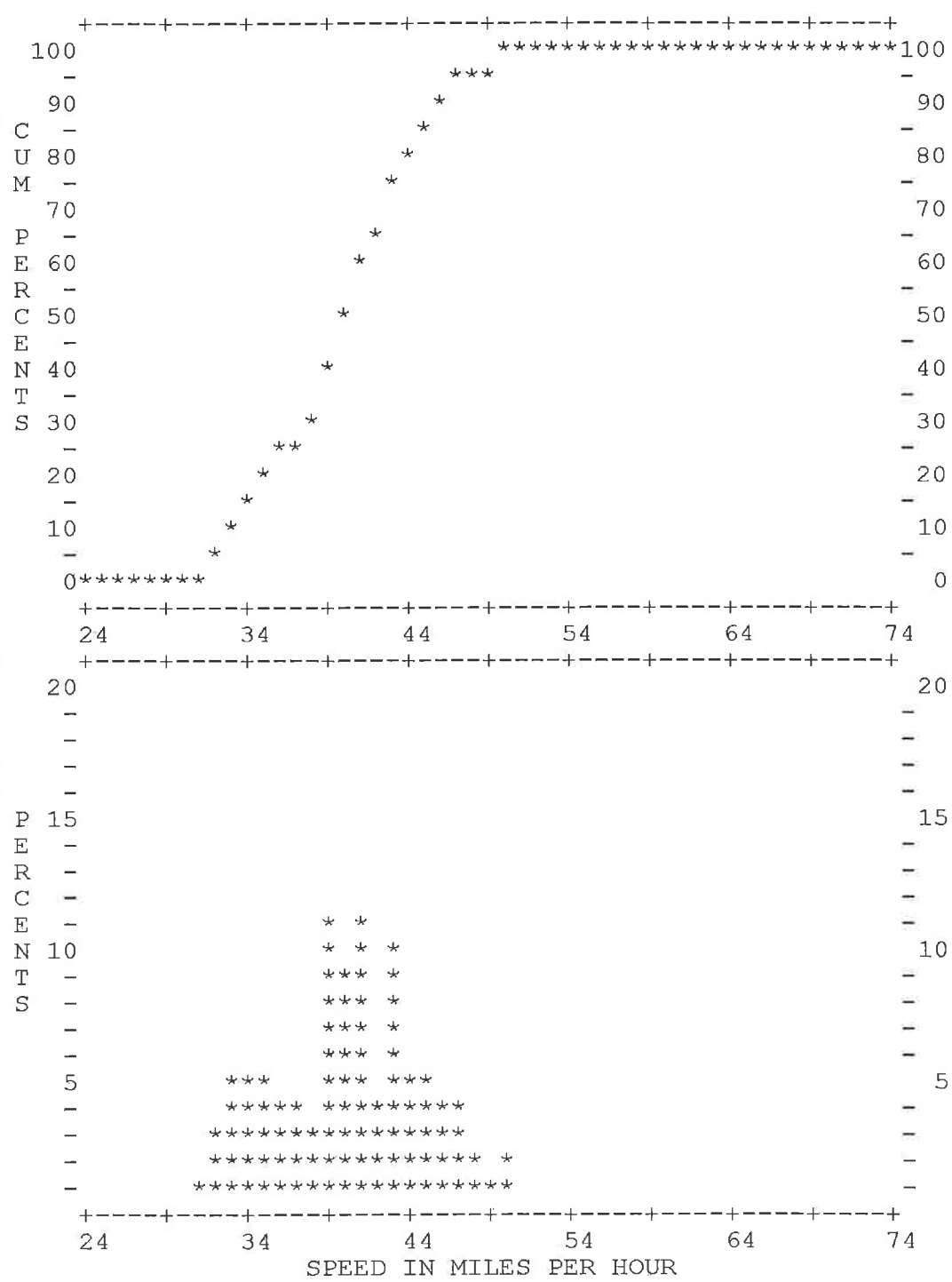
Bather Belrose Boje, Inc. SPEEDPLOT Program

STREET..... 0 Blk. ViaDeLaValle 800' South of CalzadaDelBos
LIMITS..... to

DIRECTION(S).....NBSB
DATE.....9.12.12
TIME.....12PM
POSTED SPEED LIMIT....45

50TH PERCENTILE SPEED.....40
85TH PERCENTILE SPEED.....45
10 MPH PACE SPEED.....36 through 45
PERCENT IN PACE SPEED..... 67.0
PERCENT OVER PACE SPEED.....14.0
PERCENT UNDER PACE SPEED.....19.1
RANGE OF SPEEDS.....24 to 55
VEHICLES OBSERVED..... 215
AVERAGE SPEED.....40.3

SPEED	NO.	PCT.	CUM. PCT.
24	1	0.5	0.5
25	0	0.0	0.5
26	0	0.0	0.5
27	0	0.0	0.5
28	0	0.0	0.5
29	0	0.0	0.5
30	1	0.5	0.9
31	2	0.9	1.9
32	7	3.3	5.1
33	10	4.7	9.8
34	10	4.7	14.4
35	10	4.7	19.1
36	8	3.7	22.8
37	9	4.2	27.0
38	7	3.3	30.2
39	24	11.2	41.4
40	20	9.3	50.7
41	24	11.2	61.9
42	9	4.2	66.0
43	21	9.8	75.8
44	11	5.1	80.9
45	11	5.1	86.0
46	8	3.7	89.8
47	9	4.2	94.0
48	5	2.3	96.3
49	2	0.9	97.2
50	4	1.9	99.1
51	0	0.0	99.1
52	1	0.5	99.5
53	0	0.0	99.5
54	0	0.0	99.5
55	1	0.5	100.0



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Via de la Valle 1500 N/o Via de Santa Fe

DATE: 9/12/12 TIME START: 2:30 pm TIME END: WEATHER: clear ROAD TYPE: good

DIRECTION: xbt SPEED LIMIT: 45 mph OBSERVER: contractor CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0---------5--------10--------15--------20--------
29	3	87	3	1.1	***
30	3	90	6	2.3	***
31	0	0	6	2.3	*
32	0	0	6	2.3	*
33	1	33	7	2.7	*
34	2	68	9	3.4	**
35	5	175	14	5.3	****
36	5	180	19	7.2	****
37	2	74	21	8.0	**
38	12	456	33	12.5	**********
39	13	507	46	17.5	**********
40	17	680	63	24.0	**********
41	21	861	84	31.9	**********
42	24	1008	108	41.1	**********
43	26	1118	134	51.0	**********
44	17	748	151	57.4	**********
45	16	720	167	63.5	**********
46	22	1012	189	71.9	**********
47	24	1128	213	81.0	**********
48	21	1008	234	89.0	**********
49	10	490	244	92.8	********
50	5	250	249	94.7	****
51	6	306	255	97.0	*****
52	4	208	259	98.5	****
53	3	159	262	99.6	***
54	1	54	263	100.0	*
					0---------5--------10--------15--------20--------
	263	11420			

AVERAGE SPEED = 43.4
50th PERCENTILE = 42.9
85th PERCENTILE = 47.5
90th PERCENTILE = 48.2
95th PERCENTILE = 50.1

PACE = 39 - 48
% IN PACE = 76.4
VEHICLES IN PACE = 201

SAMPLE VARIANCE = 21.51968
STANDARD DEVIATION = 4.638931
RANGE 1*S = 76.42586
RANGE 2*S = 95.05704
RANGE 3*S = 98.85931

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 5-C**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Sun Valley Road from Lomas Santa Fe Drive southerly to El Camino Real (1.1 miles), RANCHO SANTA FE (Thos. Bros. 1168-A7) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 40 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Sun Valley Road is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Sun Valley Road is a striped two-lane Through Highway between 24 feet and 40 feet wide. Sun Valley Road is stop controlled at Ladera Sarina, then continues easterly to El Camino Real. The road is unclassified on the County General Plan Mobility Element Network. The road is posted 40 MPH/Radar Enforced.

Average Daily Traffic Volumes	10/12	04/02
Sun Valley Road:		
S/o Lomas Santa Fe Drive	2,200* (est)	1,780*

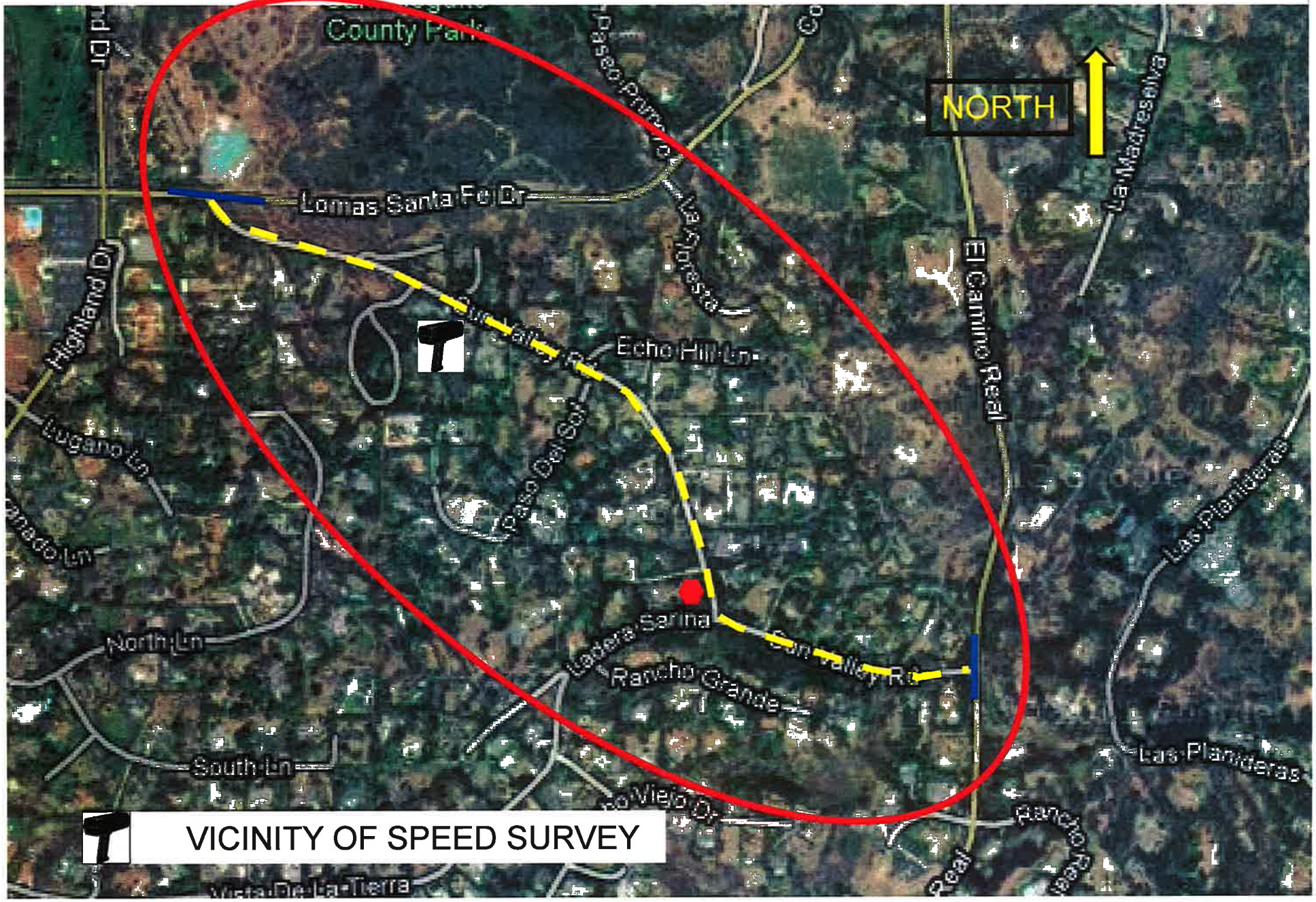
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Sun Valley Road:				
400' E/o Sun Valley Ln	(2012)	42.0 MPH	31-40	66.1%
	(2005)	44.7 MPH	36-45	73.0%

Collision Data

There has been one reported injury collision along this segment of roadway in the last two years (02-29-10 to 02-29-12). It involved a southbound motorist who lost control and ran-off the roadway.

Sun Valley Road



Bather Belrose Boje, Inc. SPEEDPLOT Program

STREET..... 0 Blk. SunValleyRd 400' East of SunValleyLn

LIMITS..... to

DIRECTION(S).....EBWB

DATE.....9.12.12

TIME.....9AM

POSTED SPEED LIMIT....35

50TH PERCENTILE SPEED.....37

85TH PERCENTILE SPEED.....42

10 MPH PACE SPEED.....31 through 40

PERCENT IN PACE SPEED..... 66.1

PERCENT OVER PACE SPEED.....20.4

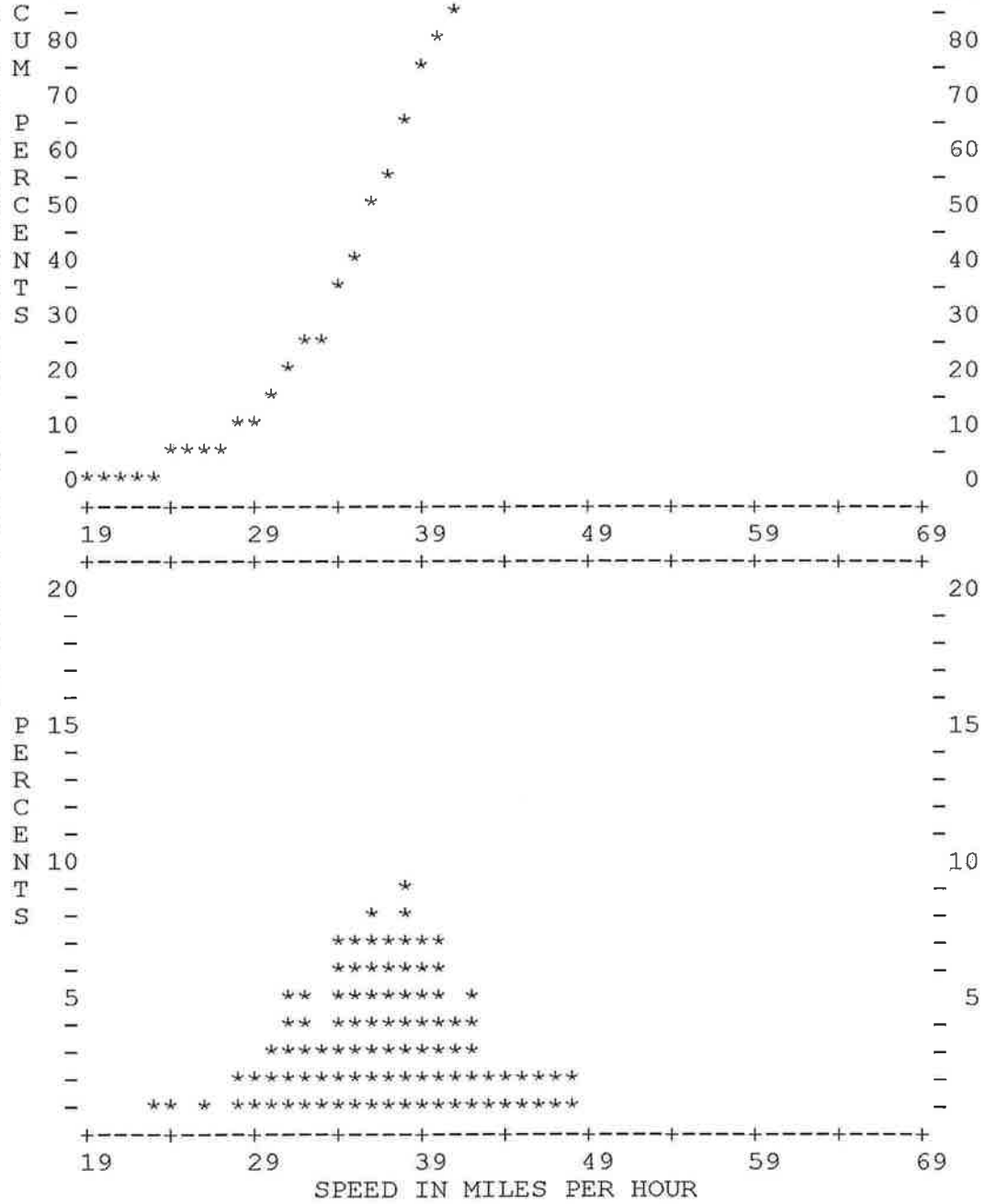
PERCENT UNDER PACE SPEED.....13.5

RANGE OF SPEEDS.....19 to 49

VEHICLES OBSERVED..... 245

AVERAGE SPEED.....36.3

SPEED	NO.	PCT.	CUM. PCT.
19	1	0.4	0.4
20	1	0.4	0.8
21	0	0.0	0.8
22	0	0.0	0.8
23	3	1.2	2.0
24	3	1.2	3.3
25	1	0.4	3.7
26	3	1.2	4.9
27	1	0.4	5.3
28	6	2.4	7.8
29	6	2.4	10.2
30	8	3.3	13.5
31	13	5.3	18.8
32	12	4.9	23.7
33	8	3.3	26.9
34	18	7.3	34.3
35	16	6.5	40.8
36	20	8.2	49.0
37	18	7.3	56.3
38	23	9.4	65.7
39	18	7.3	73.1
40	16	6.5	79.6
41	10	4.1	83.7
42	12	4.9	88.6
43	6	2.4	91.0
44	4	1.6	92.7
45	4	1.6	94.3
46	5	2.0	96.3
47	4	1.6	98.0
48	4	1.6	99.6
49	1	0.4	100.0



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: October 26, 2012 **Item 5-D**

SUPERVISORIAL DISTRICT: 5

SUBJECT: Roadway Operations

LOCATION: Calavo Drive from Nordahl Road easterly to Deodar Road (0.46 miles), SAN MARCOS (Thos. Bros. 1109-E7)

INITIATED BY: DPW Traffic Engineering

REQUEST: Review Roadway Operations

PROBLEM AS STATED BY REQUESTER:

Traffic Engineering staff and residents of Calavo Drive have engaged in several community meetings to address speed concerns and unreasonable motorist behavior, specifically at the vertical crest where motorists are thrill-seeking and causing distress for residents.

Existing Traffic Devices

Calavo Drive is a striped two-lane roadway that measures approximately 22 feet in width. The road is unclassified on the County General Plan Mobility Element Network. The road is unposted.

Average Daily Traffic Volumes	08/12	08/02
Calavo Drive:		
E/o Nordahl Road	360*	
@ Deodar Road		150*

* Two-way count

Speed Data		85th Percentile	10 MPH Pace	% in Pace
Calavo Drive:				
E/o Nordahl Road	(2012)	37.4 MPH	27-37	59.7%
W/o Deodar Road		41.4 MPH	30-40	57.9%

Collision Data

There has been one reported injury collision and one reported fatality collision along this roadway in the last five years (01-01-07 to 07-31-12).

County of San Diego

DEPARTMENT OF PUBLIC WORKS

COUNTY ENGINEER
COUNTY ROAD COMMISSIONER
COUNTY SURVEYOR
COUNTY AIRPORTS
FLOOD CONTROL
WASTEWATER MANAGEMENT

INTRA - MEMO

DATE: October 10, 2012

TO: File 1207-07R Calavo Drive

FROM: Giselle Finley

SUBJECT: Calavo Drive follow up meeting on 10/09/12

Staff arranged a follow up meeting, met with residents along Calavo Drive and provided feedback regarding their identified concerns. 6 of the 13 property owners were present and two County staff members, Murali Pasumarthi and Giselle Finley. The following information was provided:

- Church conditioning-The church was conditioned in 2006 for frontage improvements including installation of sidewalk and widening to accommodate an 8' parking and 12' through lane along Calavo Drive and Deodar Drive, and installation of lighting. The church was conditioned to install 72 parking spaces onsite. The project is not finalized and Land Development is awaiting final plan submittal. Once improvements are installed, DPW will evaluate the safety considerations of allowing on-street parking and may consider if deemed necessary to prohibit on street parking.

- Rezoning of parcels- The General Plan Update reclassified the community to allow denser units per acre. The area is designated as Village Residential and was vetted through public input and approved by the Board of Supervisors. Staff provided residents Bob Citrano's contact information for more detailed information on how roads are designated.

- Motorcycle testing along Calavo Drive- Staff contacted Yamaha North County and Escondido Cycle Center requesting removal of Calavo Drive from their test drive route. Residents indicated a noticeable drop in the testing of motorcycles along the road.

- Signal timing modification at Nordahl Rd/Rocksprings Dr- Signal timing was modified and monitored routinely. Residents indicated improved signal operations and reduced queuing as a result. Staff indicated once construction is complete along the SR-78, signal timing would be re-evaluated and adjusted as needed.

- Increase RPMs along centerline- RPM installations will be reduced to 12' spacing throughout the centerline and the addition of raised white bots dots across the road at the proposed speed hump locations.

- Speed limit posting- The minimum volume threshold of 2000 vehicles was not met along the Calavo Drive. Staff indicated it would be difficult to set a speed limit and get enforcement with volumes of less than 400 daily vehicles. Staff recommended tabling the speed limit issue until traffic calming is installed and follow up speed measurement can be taken to determine if there is a reduction in overall speed.

- Obtain speed/volume data- Data was obtained after school resumed on August 22, 2012 indicating an 85th percentile speed of 37 mph south of Nordahl Road and 41 mph north of Deodar Road. Staff indicated overall speeding is not problematic but there are some motorists that choose to drive unreasonably along the road.

- Determine if Calavo Drive is a "Safe Routes to School"-staff informed residents that neither the Escondido nor San Marcos Unified School districts have Calavo Drive designated as a "Safe Routes to School" road. Residents indicated presence of pedestrians along the road, but realized the school was not directing them to this route and the County is unable to eliminate the presence of pedestrians if they choose to walk along Calavo Drive.

- Nordahl Road widening- There are no proposed improvement plans on the 5-year work program or Private Land Development projects that address widening along Nordahl Road.

- Traffic Calming- staff presented two options for traffic calming along Calavo Drive; the one-way option and speed humps. Staff indicated both were conceptual and final design would be completed once a preference determined. The residents in attendance indicated support of the speed humps over the one-way option. Staff indicated that prior to any installation; concurrence must be obtained from the Fire Marshal and 75% of residents along the road. Once concurrence is obtained the next step is review and possible recommendation through the Traffic Advisory Committee. The item would then be forwarded to the Board for review/approval. Staff provided a two pronged method for installation of the traffic devices. They are:

    - County completes the design and the project competes for funds
    - The residents complete the design, construction and installation through the curb grade process and relinquish to the County

  The residents understood the install options and process for review/approval of traffic calming measures. Staff indicated a poll letter would be forwarded to all affected property owners to vote on traffic calming options. Once the vote is finalized, staff would contact the Fire Marshal with the proposed traffic calming measures. If support is garnered from the Fire Marshal, staff would contact residents to determine which of the implementation methods for installation is preferred. County staff will complete the design and the plan would be forwarded to the TAC to begin the review/approval process.

Speed Statistics

SpeedStat-77
Site: 278.0EW
Description: **!CalavoDr_480ft_SO_NordahlRd_7day_SpdVol_(07-05-12)**
Filter time: **7:32 Friday, August 17, 2012 => 10:20 Saturday, September 01, 2012**
Scheme: Vehicle classification (Scheme F99)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(EW) Sp(5,100) Headway(>0)

Vehicles = 4037
Posted speed limit = 37 mph, Exceeding = 691 (17.12%), Mean Exceeding = 40.64 mph
Maximum = 57.9 mph, **Minimum** = 5.4 mph, **Mean** = 31.0 mph
85% Speed = 37.4 mph, **95% Speed** = 41.4 mph, **Median** = 31.5 mph
10 mph Pace = 27 - 37, **Number in Pace** = 2411 (59.72%)
Variance = 51.22, **Standard Deviation** = 7.16 mph

Speed Bins (Partial days)

Speed	Bin		Below		Above		Energy	vMult	n * vMult
0 - 5	0	0.0%	0	0.0%	4037	100.0%	0.00	0.00	0.00
5 - 10	16	0.4%	16	0.4%	4021	99.6%	0.00	0.00	0.00
10 - 15	112	2.8%	128	3.2%	3909	96.8%	0.00	0.00	0.00
15 - 20	228	5.6%	356	8.8%	3681	91.2%	0.00	0.00	0.00
20 - 25	334	8.3%	690	17.1%	3347	82.9%	0.00	0.00	0.00
25 - 30	867	21.5%	1557	38.6%	2480	61.4%	0.00	0.00	0.00
30 - 35	1341	33.2%	2898	71.8%	1139	28.2%	0.00	0.00	0.00
35 - 40	826	20.5%	3724	92.2%	313	7.8%	0.00	0.00	0.00
40 - 45	240	5.9%	3964	98.2%	73	1.8%	0.00	0.00	0.00
45 - 50	55	1.4%	4019	99.6%	18	0.4%	0.00	0.00	0.00
50 - 55	14	0.3%	4033	99.9%	4	0.1%	0.00	0.00	0.00
55 - 60	4	0.1%	4037	100.0%	0	0.0%	0.00	0.00	0.00
60 - 65	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
65 - 70	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
70 - 75	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
75 - 80	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
80 - 85	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
85 - 90	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
90 - 95	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00
95 - 100	0	0.0%	4037	100.0%	0	0.0%	0.00	0.00	0.00

Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

	Limit	Below		Above	
0	37 (PSL)	3346	82.9%	691	17.1%

Speed Statistics

SpeedStat-95
Site: 279.0EW
Description: **!CalavoDr_800ft_NO_DeodarRd_7day_SpdVol_(07-05-12)**
Filter time: **7:24 Friday, August 17, 2012 => 10:18 Saturday, September 01, 2012**
Scheme: Vehicle classification (Scheme F99)
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12 13) Dir(EW) Sp(5,100) Headway(>0)

Vehicles = 4003
Posted speed limit = 37 mph, Exceeding = 1461 (36.50%), Mean Exceeding = 42.02 mph
Maximum = 74.8 mph, **Minimum** = 5.5 mph, **Mean** = 34.6 mph
85% Speed = 41.4 mph, **95% Speed** = 46.3 mph, **Median** = 34.9 mph
10 mph Pace = 30 - 40, **Number in Pace** = 2316 (57.86%)
Variance = 63.00, **Standard Deviation** = 7.94 mph

Speed Bins (Partial days)

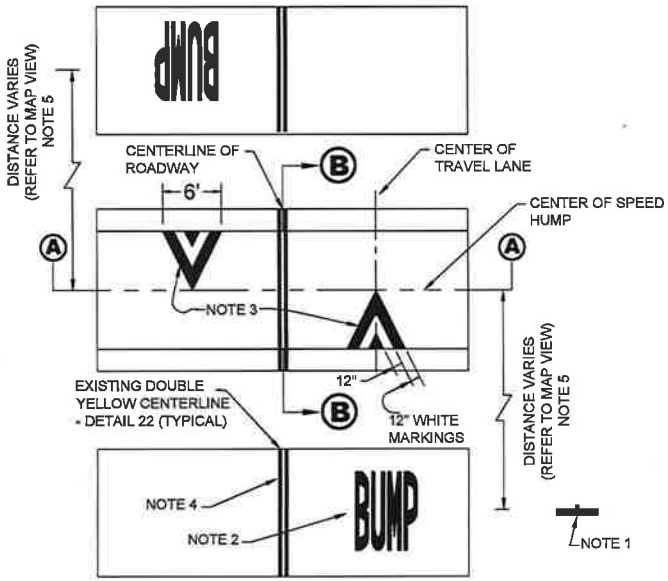
Speed	Bin		Below		Above		Energy	vMult	n * vMult
0 - 5	0	0.0%	0	0.0%	4003	100.0%	0.00	0.00	0.00
5 - 10	12	0.3%	12	0.3%	3991	99.7%	0.00	0.00	0.00
10 - 15	94	2.3%	106	2.6%	3897	97.4%	0.00	0.00	0.00
15 - 20	116	2.9%	222	5.5%	3781	94.5%	0.00	0.00	0.00
20 - 25	151	3.8%	373	9.3%	3630	90.7%	0.00	0.00	0.00
25 - 30	487	12.2%	860	21.5%	3143	78.5%	0.00	0.00	0.00
30 - 35	1153	28.8%	2013	50.3%	1990	49.7%	0.00	0.00	0.00
35 - 40	1151	28.8%	3164	79.0%	839	21.0%	0.00	0.00	0.00
40 - 45	568	14.2%	3732	93.2%	271	6.8%	0.00	0.00	0.00
45 - 50	177	4.4%	3909	97.7%	94	2.3%	0.00	0.00	0.00
50 - 55	51	1.3%	3960	98.9%	43	1.1%	0.00	0.00	0.00
55 - 60	23	0.6%	3983	99.5%	20	0.5%	0.00	0.00	0.00
60 - 65	11	0.3%	3994	99.8%	9	0.2%	0.00	0.00	0.00
65 - 70	7	0.2%	4001	100.0%	2	0.0%	0.00	0.00	0.00
70 - 75	2	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00
75 - 80	0	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00
80 - 85	0	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00
85 - 90	0	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00
90 - 95	0	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00
95 - 100	0	0.0%	4003	100.0%	0	0.0%	0.00	0.00	0.00

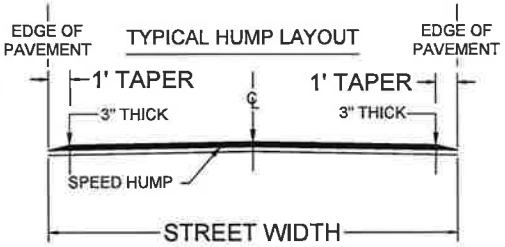
Total Speed Rating = 0.00
Total Moving Energy (Estimated) = 0.00

Speed limit fields (Partial days)

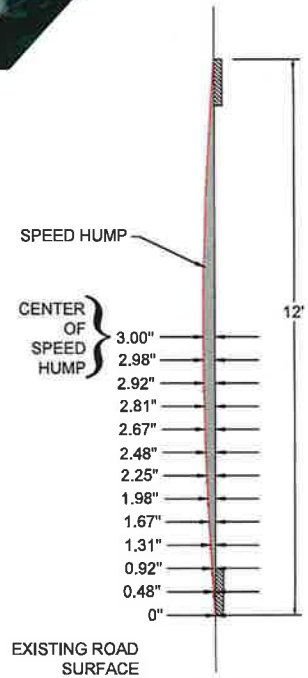
	Limit	Below		Above	
0	37 (PSL)	2542	63.5%	1461	36.5%

PLANS	BY	DATE
DESIGNED		
CHECKED		
DOCUMENTED		





CROSS-SECTION Ⓐ-Ⓐ



CROSS-SECTION Ⓑ-Ⓑ

NOTES:

1. INSTALL 30" x 30" W17-1 SIGN WHICH SHALL READ "SPEED BUMP". SIGN LAYOUT SHALL CONFORM WITH 2004 FHWA STANDARD HIGHWAY SIGNS BOOK AND ITS ASSOCIATED 2012 SUPPLEMENT. SIGN FILM USED ON SIGN SHALL BE TYPE IV (HIGH INTENSITY PRISMATIC) WITH PREMIUM CLEAR OVERLAY. SIGN SHALL BE INSTALLED ON 4" X 4" TREATED WOOD POSTS PER CALTRANS STANDARD PLANS RS1 AND RS2. BOTTOM OF SIGN SHALL BE AT LEAST 7' ABOVE THE ROADWAY SURFACE.
2. PAINT "BUMP" PAVEMENT MARKING ADJACENT TO W17-1 SIGN. LETTERING STYLE OF PAVEMENT MARKING SHALL CONFORM WITH 8' HIGH PAVEMENT MARKINGS IN CALTRANS STANDARD PLAN A24D AND A24E. ONE "BUMP" PAVEMENT MARKING IS 27 SQ. FT. IN AREA.
3. PAINT SPEED HUMP ARROW PAVEMENT MARKINGS IN CONFORMANCE WITH OPTION A OF FIGURE 3B-29 IN THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD). ONE SPEED HUMP ARROW (EACH SPEED HUMP HAS TWO) IS 17 SQ. FT. IN AREA.
4. PAINT CENTERLINE OVER SPEED HUMP TO MATCH EXISTING STRIPING.
5. HUMPS ARE SPACED APPROXIMATELY 500-700 FEET APART AT LOCATIONS NOT ALONG VERTICAL GRADE TO REDUCE SPEED ON FLAT SEGMENTS OF ROAD AND ARE 12' IN WIDTH

COUNTY OF SAN DIEGO
DEPARTMENT OF PUBLIC WORKS
5555 OVERLAND AVENUE, SAN DIEGO, CA 92123-1295

RECOMMENDED BY: _____ DATE _____
_____ DATE _____
APPROVED BY: _____ DATE _____

REVISIONS	BY	APPROVED	DATE

COORDINATE INDEX
_____ N. _____ E.
CONST. COMPL. _____
FIELD REVISIONS _____

CONCEPTUAL PLAN A
TRAFFIC CALMING ALONG CALAVO DR

SCALE: HOR. _____ VERT. _____
W.A. _____ R.S. _____
FILE NO. _____
SHEET ____ OF ____ SHEETS