REVISED *

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

January 25, 2013

AGENDA

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

SUBJECT		LOCATION	AREA	PLANNING/ SPONSOR GROUP
SUPERVISORIAL DISTRICT 2				
A.	RADAR RECERTIFICATION	SOUTH GRADE ROAD	ALPINE	ALPINE
B.	RADAR RECERTIFICATION	CONRAD DRIVE	CASA DE ORO	VALLE DE ORO
C.	RADAR RECERTIFICATION	JAMACHA BOULEVARD	SPRING VALLEY	SPRING VALLEY
SUPERVISORIAL DISTRICT 5				
A.	SIGNALIZATION	HARRAH'S CASINO DWY @ VALLEY CENTER RD	PALA-PAUMA *	PALA-PAUMA *
B.	ALL-WAY STOP	ASH STREET AND LEHNER AVENUE	ESCONDIDO	HIDDEN MEADOWS
C.	INTERSECTION CONTROLS	4S RANCH PARKWAY	4S RANCH	SAN DIEGUITO
D.	TIME-LIMIT PARKING	PASEO DELICIAS	RANCHO SANTA FE	SAN DIEGUITO

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 25, 2013 **Item 2-A**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: South Grade Road from a point 2,000 feet south of the south line of Via Viejas southeasterly to the east line of Tavern Road (0.8 miles), ALPINE (Thos. Bros. 1254-A2-B2) Alpine Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 45 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

South Grade Road 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

South Grade Road is a striped two-lane Through Highway that varies between 26 and 55 feet wide. There is edge-striping along both sides of the roadway. The road is posted 45 MPH/Radar Enforced. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes	12/12	11/03	05/97	07/95
South Grade Road:				
S/o Eltinge Drive	2,760*	4,540*	1,680*	
S/o Alpine Boulevard		5,710		3,280*

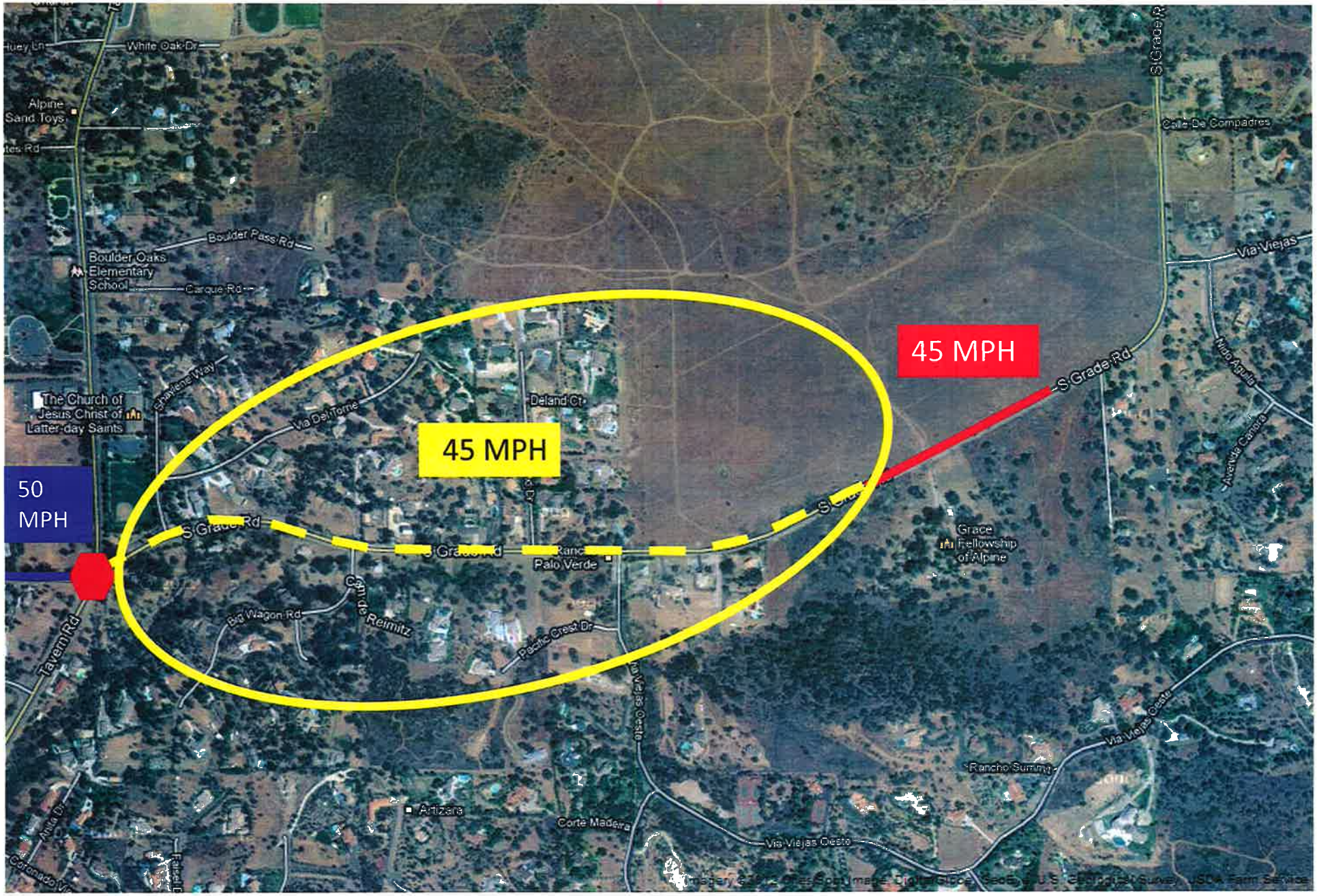
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
South Grade Road:				
300' W/o Deland Drive	(2012)	51.5 MPH	42-51	68.0%
	(2005)	47.6 MPH	39-48	68.0%
	(1996)	50.9 MPH	40-49	64.7%

Collision Data

There have been nine reported collisions along this segment of roadway in the last five years (09-30-07 to 10-01-12, two of which involved injuries.

South Grade Road



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

South Grade Road 300 feet w/o Deland Drive

DATE: 11-16-2012 TIME START: 9:45 am TIME END: 10:45 am WEATHER: clear ROAD TYPE: good

DIRECTION: xbt SPEED LIMIT: 45 MPH OBSERVER: Johnson CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0---------5--------10--------15--------20--------
35	1	35	1	0.8	**
36	0	0	1	0.8	*
37	1	37	2	1.7	**
38	0	0	2	1.7	*
39	3	117	5	4.2	******
40	5	200	10	8.4	*********
41	3	123	13	10.9	******
42	9	378	22	18.5	**********
43	10	430	32	26.9	**********
44	7	308	39	32.8	**********
45	6	270	45	37.8	**********
46	6	276	51	42.9	**********
47	7	329	58	48.7	**********
48	9	432	67	56.3	**********
49	12	588	79	66.4	**********
50	9	450	88	73.9	**********
51	8	408	96	80.7	**********
52	9	468	105	88.2	**********
53	3	159	108	90.8	******
54	2	108	110	92.4	****
55	0	0	110	92.4	*
56	5	280	115	96.6	*********
57	1	57	116	97.5	**
58	1	58	117	98.3	**
59	1	59	118	99.2	**
60	0	0	118	99.2	*
61	1	61	119	100.0	**
					0---------5--------10--------15--------20--------
	119	5631			

AVERAGE SPEED = 47.3
50th PERCENTILE = 47.1
85th PERCENTILE = 51.5
90th PERCENTILE = 52.7
95th PERCENTILE = 55.6

PACE = 42 - 51
% IN PACE = 69.7
VEHICLES IN PACE = 83

SAMPLE VARIANCE = 24.72776
STANDARD DEVIATION = 4.972701
RANGE 1*S = 69.7479
RANGE 2*S = 95.79832
RANGE 3*S = 100

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	January 25, 2013	**Item 2-B**
SUPERVISORIAL DISTRICT:	2	
SUBJECT:	Radar Recertification	
LOCATION:	Conrad Drive from the north line of Vista del Sol northerly to the south line of Resmar Road (0.7 miles), MOUNT HELIX (Thos. Bros. 1254-A2-B2) Valle de Oro Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Radar Recertification of the Existing 40 MPH Speed Limit	

PROBLEM AS STATED BY REQUESTER:

Conrad 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

Conrad Drive is a striped two-lane Through Highway that measures 26 feet wide. There is edge-striping along both sides of the roadway. The road is posted 40 MPH/Radar Enforced. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes	**12/12**	**11/03**	**08/96**
Conrad Drive:			
N/o Edgar Place	1,630*	2,190*	
N/o Estrella Drive			2,630*

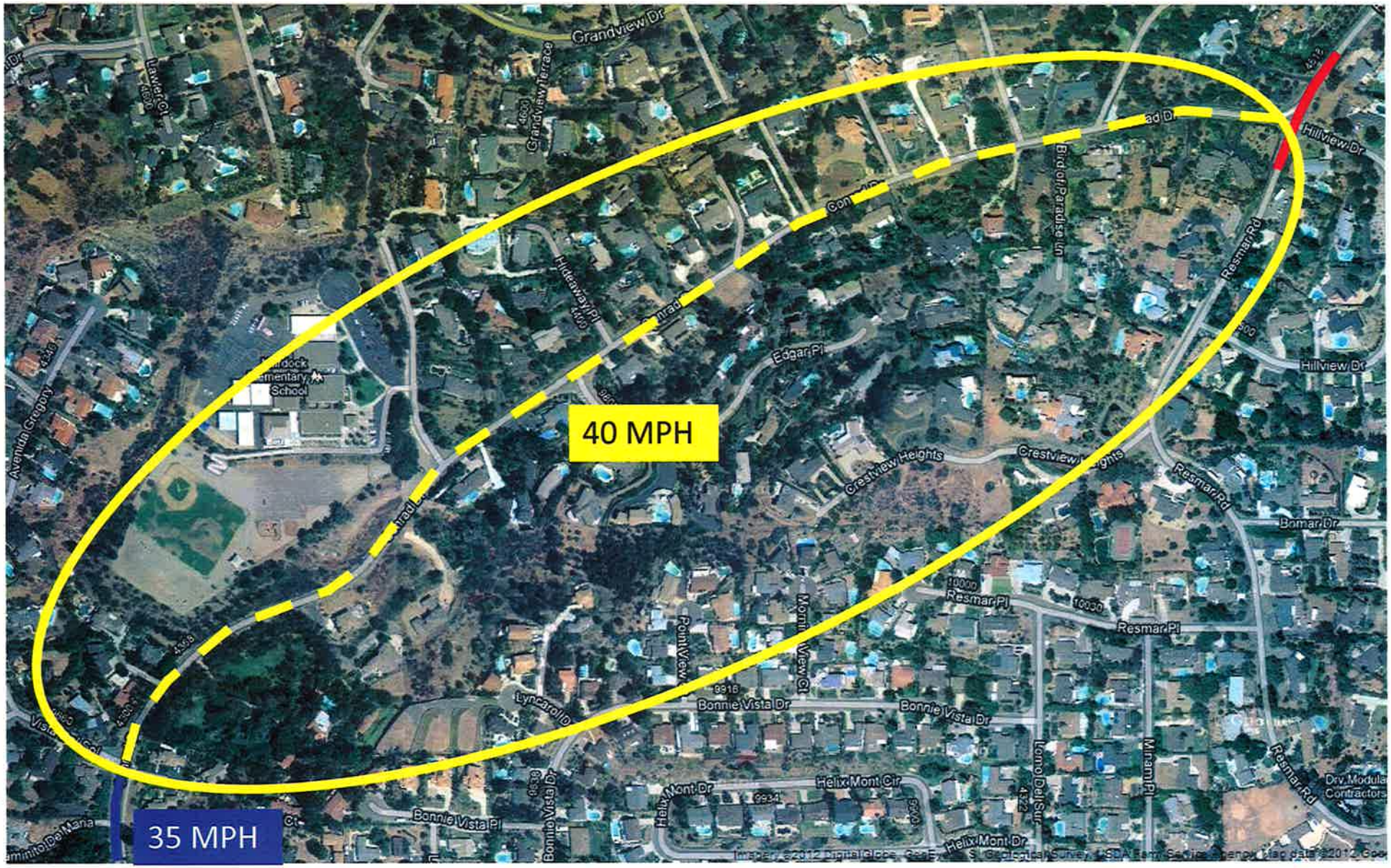
* Two-way count

Spot Speed Data		**85th Percentile**	**10 MPH Pace**	**% in Pace**
Conrad Drive:				
840' N/o Edgar Place	(2012)	44.9 MPH	34-43	68.5%
	(2005)	45.2 MPH	36-45	72.3%
	(1996)	43.0 MPH	35-44	80.0%

Collision Data

There have been three reported collisions along this segment of roadway in the last five years (09-30-07 to 10-01-12).

Conrad Drive



RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Conrad Drive 840 feet N/o Edgar Place

DATE: 11-16-2012 TIME START: 11:30 AM TIME END: 12:45 PM WEATHER: clear ROAD TYPE:

DIRECTION: SBT/NBT SPEED LIMIT: OBSERVER: Tricia CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					|0---------5--------10--------15--------20--------
31	2	62	2	1.9	|****
32	0	0	2	1.9	|*
33	5	165	7	6.5	|**********
34	4	136	11	10.2	|********
35	8	280	19	17.6	|**********
36	4	144	23	21.3	|********
37	3	111	26	24.1	|******
38	11	418	37	34.3	|**********
39	10	390	47	43.5	|**********
40	8	320	55	50.9	|**********
41	11	451	66	61.1	|**********
42	8	336	74	68.5	|**********
43	7	301	81	75.0	|**********
44	4	176	85	78.7	|********
45	7	315	92	85.2	|**********
46	3	138	95	88.0	|******
47	3	141	98	90.7	|******
48	4	192	102	94.4	|********
49	3	147	105	97.2	|******
50	0	0	105	97.2	|*
51	0	0	105	97.2	|*
52	2	104	107	99.1	|****
53	0	0	107	99.1	|*
54	0	0	107	99.1	|*
55	1	55	108	100.0	|**
					|0---------5--------10--------15--------20--------
	108	4382			

AVERAGE SPEED = 40.5
50th PERCENTILE = 39.8
85th PERCENTILE = 44.9
90th PERCENTILE = 46.7
95th PERCENTILE = 48.2

PACE = 34 - 43
% IN PACE = 68.5
VEHICLES IN PACE = 74

SAMPLE VARIANCE = 23.1066
STANDARD DEVIATION = 4.806933
RANGE 1*S = 67.59259
RANGE 2*S = 97.22222
RANGE 3*S = 99.07408

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 25, 2013 **Item 2-C**

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Jamacha Boulevard from the west line of State Route 94 westerly to the east line of Sweetwater Springs Boulevard (1.5 miles), SPRING VALLEY (Thos. Bros. 1251-G-6&7) Spring Valley Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification of the Existing 50 MPH Speed Limit

PROBLEM AS STATED BY REQUESTER:

Jamacha Boulevard is posted 50 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 50 MPH speed limit.

Existing Traffic Devices

Jamacha Boulevard is a striped four-lane Through Highway that measures approximately 65 feet wide. There is a two-way left turn lane separating both directions of traffic west of Calavo Drive/Doubletree Road. There are bike lanes on each side of the road. The road is posted 50 MPH/Radar Enforced. The road is classified as a Major Road on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes	12/12	2/02	8/98
Jamacha Boulevard:			
W/o State Route 94	31,000* Estimate	23,840*	14,690*

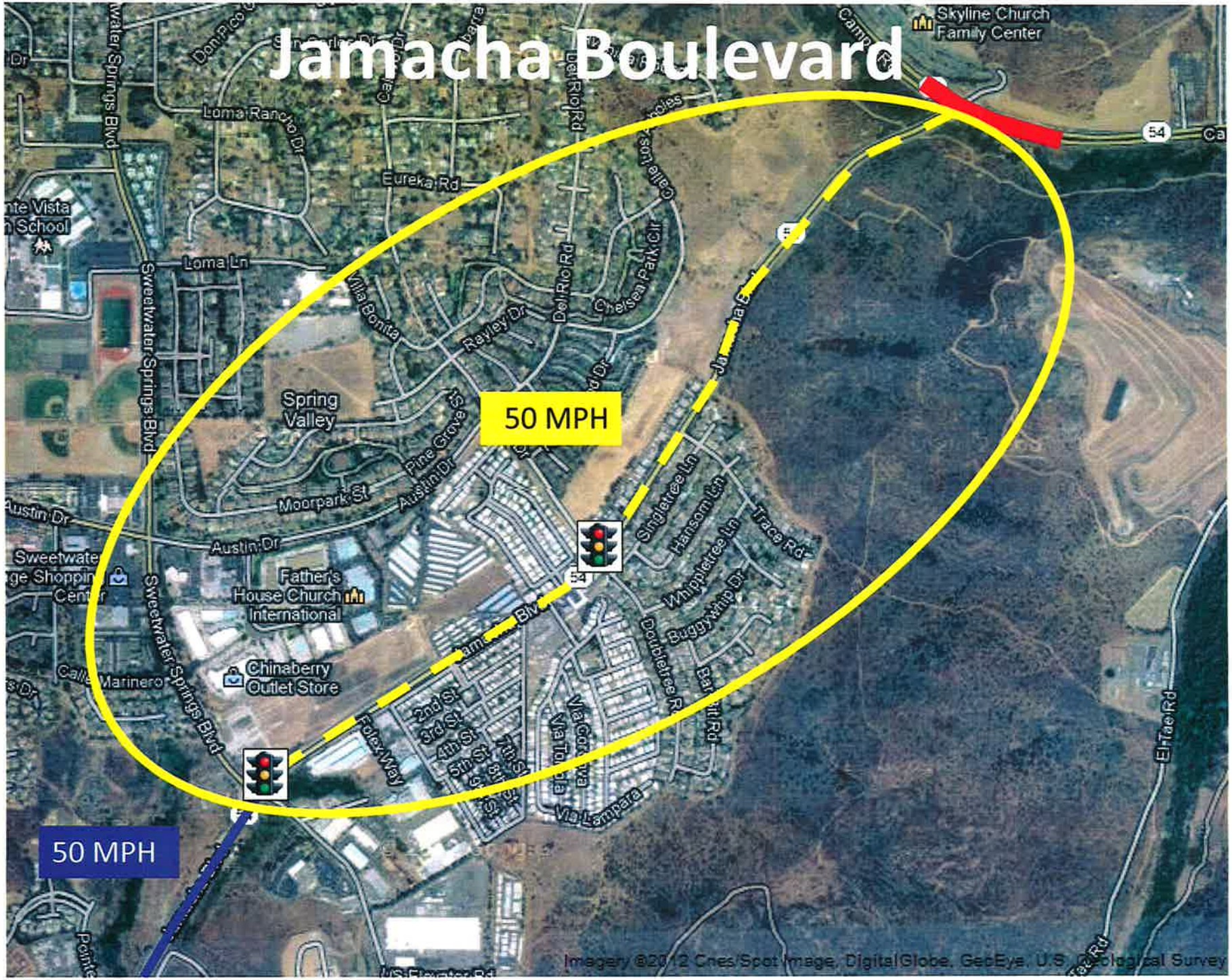
* Two-way count

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Jamacha Boulevard:				
200' E/o Trace Road	(2012)	53.4 MPH	45-54	69.4%
	(2006)	52.5 MPH	41-50	64.3%
	(1999)	54.4 MPH	46-55	73.5%

Spot Speed Data		85th Percentile	10 MPH Pace	% in Pace
Jamacha Boulevard:				
800' W/o	(2012)	51.9 MPH	42-51	61.1%
Lamplighter Village Dr	(2006)	49.1 MPH	37-46	59.2%
	(1999)	53.3 MPH	45-54	63.4%

Collision Data

There have been 38 reported collisions along this segment of roadway in the last five years (09-30-07 to 10-01-12), 17 of which involved injuries.


Jamacha Boulevard
50 MPH
50 MPH
Skyline Church Family Center
Loma Rancho Dr
Eureka Rd
Loma Ln
Sweetwater Springs Blvd
Villa Bonita
Rayley Dr
Del Rio Rd
Chelsea Way
Spring Valley
Pine Grove St
Austin Dr
Moorpark St
Sinclairee Ln
Hansom Ln
Whippletree Ln
Trace Rd
Father's House Church International
Chinaberry Outlet Store
Calle Marinero
Foley Way
2nd St
3rd St
4th St
5th St
Via Toledo
Via Cordova
Via Lampara
Doubletree Rd
Buggywhip Dr
El Tao Rd
Imagery ©2012 Cnes/Spot Image, DigitalGlobe, GeoEye, U.S. Geological Survey

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Jamacha Boulevard 200 feet E/o Trace Road

DATE: 11-16-2012 TIME START: 1:00 PM TIME END: 1:40 PM WEATHER: clear ROAD TYPE:

DIRECTION: EBT/WBT SPEED LIMIT: OBSERVER: Tricia CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0---------5--------10--------15--------20--------
36	2	72	2	1.5	****
37	3	111	5	3.8	*****
38	1	38	6	4.6	**
39	0	0	6	4.6	*
40	3	120	9	6.9	*****
41	3	123	12	9.2	*****
42	3	126	15	11.5	*****
43	6	258	21	16.0	**********
44	4	176	25	19.1	*******
45	6	270	31	23.7	**********
46	13	598	44	33.6	**********
47	4	188	48	36.6	*******
48	13	624	61	46.6	**********
49	9	441	70	53.4	**********
50	14	700	84	64.1	**********
51	14	714	98	74.8	**********
52	2	104	100	76.3	****
53	7	371	107	81.7	**********
54	9	486	116	88.5	**********
55	6	330	122	93.1	**********
56	2	112	124	94.7	****
57	2	114	126	96.2	****
58	1	58	127	96.9	**
59	1	59	128	97.7	**
60	2	120	130	99.2	****
61	1	61	131	100.0	**
					0---------5--------10--------15--------20--------
	131	6374			

AVERAGE SPEED = 48.6
50th PERCENTILE = 48.5
85th PERCENTILE = 53.4
90th PERCENTILE = 54.3
95th PERCENTILE = 56.2

PACE = 45 - 54
% IN PACE = 69.4
VEHICLES IN PACE = 91

SAMPLE VARIANCE = 26.53486
STANDARD DEVIATION = 5.1512
RANGE 1*S = 65.64885
RANGE 2*S = 92.36641
RANGE 3*S = 100

RADAR SPEED SURVEY

SAN DIEGO COUNTY TRAFFIC ENGINEERING

Jamacha Boulevard 800 feet W/o Lamplighter Village Drive

DATE: 11-16-2012 TIME START: 2:00 PM TIME END: 2:45 PM WEATHER: clear ROAD TYPE:

DIRECTION: EBT/WBT SPEED LIMIT: OBSERVER: Tricia CALIBRATION TEST: y

SPEED	FREQUENCY	Fi*Xi	ACUM TOTAL	ACUM %	PERCENTAGE BREAKDOWN
					0---------5---------10---------15---------20---------
34	1	34	1	0.8	|**
35	0	0	1	0.8	|*
36	0	0	1	0.8	|*
37	2	74	3	2.5	|****
38	7	266	10	8.3	|**********
39	6	234	16	13.2	|**********
40	3	120	19	15.7	|*****
41	1	41	20	16.5	|**
42	12	504	32	26.4	|**********
43	6	258	38	31.4	|**********
44	5	220	43	35.5	|*********
45	8	360	51	42.1	|**********
46	7	322	58	47.9	|**********
47	7	329	65	53.7	|**********
48	11	528	76	62.8	|**********
49	6	294	82	67.8	|**********
50	5	250	87	71.9	|*********
51	7	357	94	77.7	|**********
52	9	468	103	85.1	|**********
53	7	371	110	90.9	|**********
54	2	108	112	92.6	|****
55	4	220	116	95.9	|*******
56	2	112	118	97.5	|****
57	0	0	118	97.5	|*
58	1	58	119	98.3	|**
59	1	59	120	99.2	|**
60	0	0	120	99.2	|*
61	0	0	120	99.2	|*
62	1	62	121	100.0	|**
					0---------5---------10---------15---------20---------
	121	5649			

AVERAGE SPEED = 46.6
50th PERCENTILE = 46.3
85th PERCENTILE = 51.9
90th PERCENTILE = 52.8
95th PERCENTILE = 54.7

PACE = 42 - 51
% IN PACE = 61.1
VEHICLES IN PACE = 74

SAMPLE VARIANCE = 30.38386
STANDARD DEVIATION = 5.512155
RANGE 1*S = 68.59504
RANGE 2*S = 96.69421
RANGE 3*S = 100

REVISED *

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	January 25, 2013	**Item 5-A**
SUPERVISORIAL DISTRICT:	5	
SUBJECT:	Signalization at Northernmost Driveway	
LOCATION:	Valley Center Road approximately 2,100 feet north of mile post 34.0, at the northernmost driveway entrance to Harrah's Casino, PALA-PAUMA* (Thos. Bros. 1071 E-3) Pala-Pauma Sponsor Group*	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Review for a new signal in conjunction with the proposed driveway closure	

PROBLEM AS STATED BY REQUESTER:

The Central Driveway located in front of Harrah's/Rincon Casino is proposed to be closed. Traffic will be reassigned to the northernmost driveway. A signal warrant analysis has been conducted to determine if the increase in traffic volumes due to the proposed driveway closure would justify the installation of a new signal at the northern driveway.

Existing Traffic Devices

Valley Center Road, in the vicinity of Harrah's/Rincon Casino is a striped two-lane roadway that measures 74 feet wide. There is edge-striping along both sides of the roadway and a painted median. The road is posted 50 MPH/Radar Enforced. The road is classified as a Community Collector on the County General Plan Mobility Element Network.

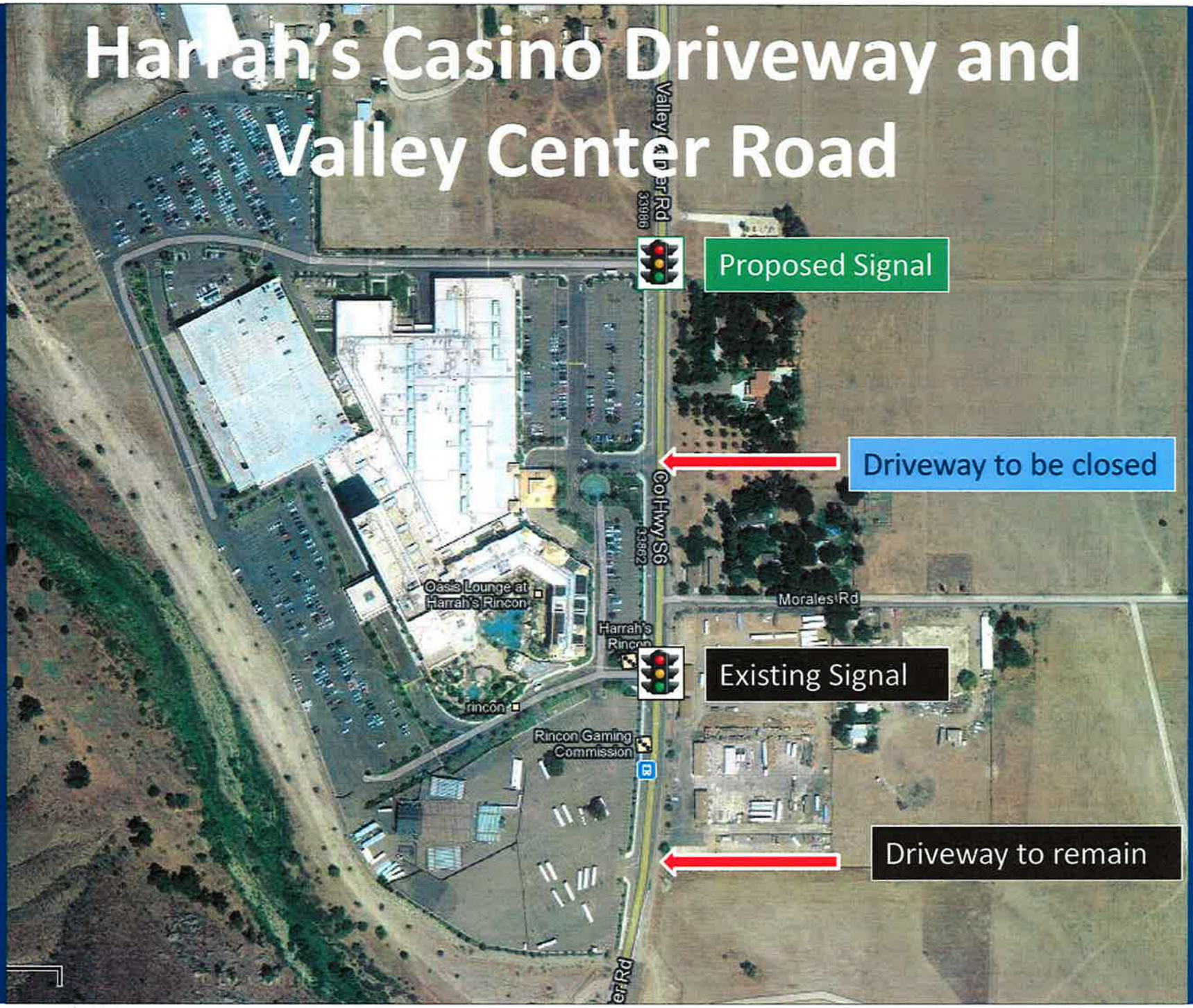
Northern Casino Driveway

Average Daily Traffic Volumes	**2012 (LLG Engineers)**
Valley Center Road:	
N/o Northernmost Driveway	4,190 SB
S/o Northernmost Driveway	4,600 NB
Northernmost Driveway (Pvt):	
W/o Valley Center Rd	1,900 EB

Collision Data

There have been 17 reported collisions along this segment of roadway (in the vicinity of the four casino driveways), twelve of which involved injury, in the last five years (09-30-07 to 10-01-12).

Harrah's Casino Driveway and Valley Center Road



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: January 25, 2013 **Item 5-B**

SUPERVISORIAL DISTRICT: 5

SUBJECT: All-Way Stop Control

LOCATION: Ash Street and Lehner Avenue, ESCONDIDO (Thos. Bros. 1109 H-5) Hidden Meadows Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Review Appropriateness for All-Way Stop Control

PROBLEM AS STATED BY REQUESTER:

This four-legged intersection has nearly equal entering volumes on all legs. Preliminary reviews indicate additional regulatory controls may be appropriate.

Existing Traffic Devices

Ash Street is a striped two-lane roadway that varies in width between 24 feet and 30 feet wide. The road is unposted. (NOTE: This roadway is unclassified on the Circulation Element Map.)

Lehner Avenue is a striped two-lane roadway. It varies in width between 25 feet and 28 feet wide. Both legs are stop controlled with limit lines and pavement legends in place.There are "Cross Traffic Does Not Stop" and school signs in place for both directions of travel.The road is unposted (NOTE: This roadway is unclassified on the Circulation Element Map.)

Average Daily Traffic Volumes	**06/12**
Ash Street:	
S/o Lehner Avenue	2,770 NB
N/o Lehner Avenue	3,215 SB
Lehner Avenue:	
E/o Ash Street	2,770 WB
W/o Ash Street	910 EB

Collision Data

There have been five reported collisions along this segment of roadway in the last five years (09-30-07 to 10-01-12, two of which involved injuries.

Ash Street and Lehner Avenue

TAC 1·25·2013

ITEM 5·B

County of San Diego

Department of Public Works

ALL-WAY STOP WARRANTS

Major Street Ash Street

Minor Street Lehner Avenue

(Item 1) FOR EACH OF ANY EIGHT HOURS:

500 TOTAL VEHICLES ENTERING THE INTERSECTION

200 TOTAL VEHICELS ON MINOR STREET APPROACH

-OR-

(Item 2) 5 CORRECTABLE ACCIDENTS IN MOST RECENT 12 MONTHS

Minimum Vehicle Volume Warrant must be satisfied in any 8 hours of a 24 hour Day

Use Reduced Warrants if 85th Percentile Speed Limit is Greater than 40 MPH

HOUR	Full Warrant	Reduced Warrant	7	8	9	10	11	12	14	16
Major Street Approach			900	310	580	310	570	410	250	370
Minor Street Approach	200	140	680	220	560	290	710	380	580	170
TOTAL	500	350	1580	530	1140	600	1280	790	830	540

NO. CORRECTABLE ACCIDENTS (MOST RECENT 12 MONTHS) _____

		YES	NO
VOLUME WARRANT	MET	☐	☐
ACCIDENT WARRANT	MET	☐	☐

DPW FORM 261 Revised 10-04-12

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	January 25, 2013	**Item 5-C**
SUPERVISORIAL DISTRICT:	5	
SUBJECT:	Stop Controlled Intersections	
LOCATION:	4S Ranch, ESCONDIDO (Thos. Bros. 1109 H-5) Hidden Meadows Community Planning Group	
INITIATED BY:	DPW Traffic Engineering	
REQUEST:	Review for Acceptance of existing Stop Controls	

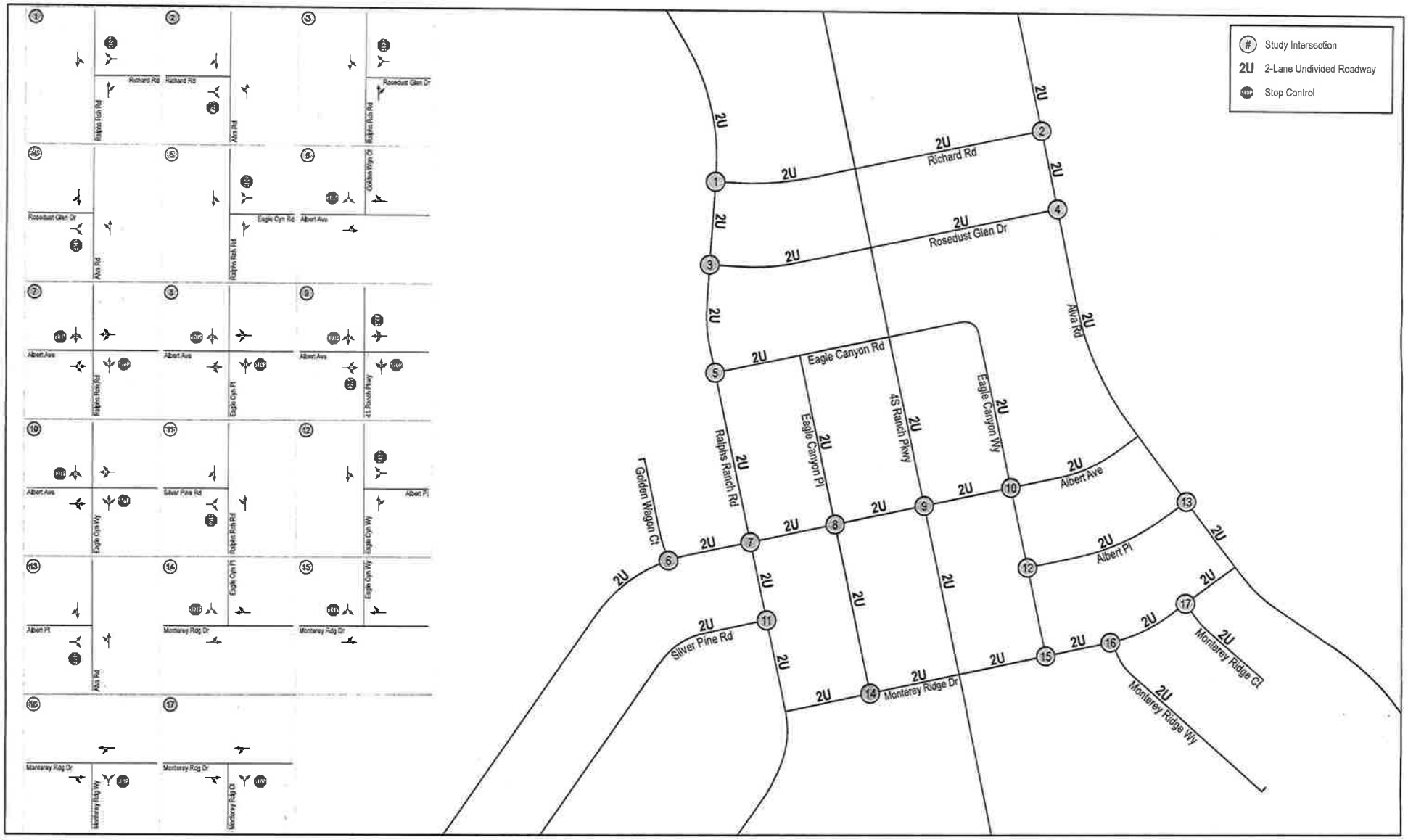
PROBLEM AS STATED BY REQUESTER:

There are sixteen one-way/two-way stop controlled intersections and one all-way stop controlled intersection that are pending review and acceptance into the County Maintained System

Existing Traffic Devices

The following intersections have been identified:

1. Ralphs Ranch Road / Richard Road
2. Alva Road / Richard Road
3. Ralphs Ranch Road / Rosedust Glen Drive
4. Alva Road / Rosedust Glen Drive
5. Ralphs Ranch Road / Eagle Canyon Road
6. Golden Wagon Court / Albert Avenue
7. Ralphs Ranch Road / Albert Avenue
8. Eagle Canyon Place / Albert Avenue
9. Albert Avenue / 4S Ranch Parkway (all-way)
10. Eagle Canyon Way / Albert Avenue
11. Silver Pine Road / Ralphs Ranch Road
12. Albert Place / Eagle Canyon Road
13. Albert Place / Alva Road
14. Eagle Canyon Place / Monterey Ridge Drive
15. Eagle Canyon Way / Monterey Ridge Drive
16. Monterey Ridge Way / Monterey Ridge Drive
17. Monterey Ridge Court / Monterey Ridge Drive



N:\2093\Figures
Date: 6/17/12

Figure 2-1

Existing Conditions

4S Ranch Stop Sign Warrant Analysis

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF:	January 25, 2013	**Item 5-D**
SUPERVISORIAL DISTRICT:	5	
SUBJECT:	Two-Hour Time Limit Parking	
LOCATION:	Paseo Delicias, north side, from a point 40 feet east of La Granada easterly 80 feet RANCHO SANTA FE (Thos.Bros.1168-E6) San Dieguito Community Planning Group	
INITIATED BY:	Traffic Engineering	
REQUEST:	Add Two-Hour Time Limit Parking	

PROBLEM AS STATED BY REQUESTER:

Millar Properties LLC requested approval for 80 feet of two hour time limit parking on the north side of Paseo Delicias, extending from the intersection of La Granada easterly.

DATA:

Existing Traffic Devices

Paseo Delicias is a striped two-lane roadway that measures 40 feet in width and is divided by a planted median. The road is posted 25 MPH. (NOTE: This roadway is classified as a Light Collector on the Circulation Element Map.)

Average Daily Traffic Volumes	**06/10**
Paseo Delicias:	
200 feet N/o Via de la Valle	17,625*

* Two-Way Count

Collision Data

There have been three reported collisions in the vicinity of the proposed time limit parking segment in the last five years, two of which involved injuries. (09-30-07 to 10-01-12.

Paseo Delicias