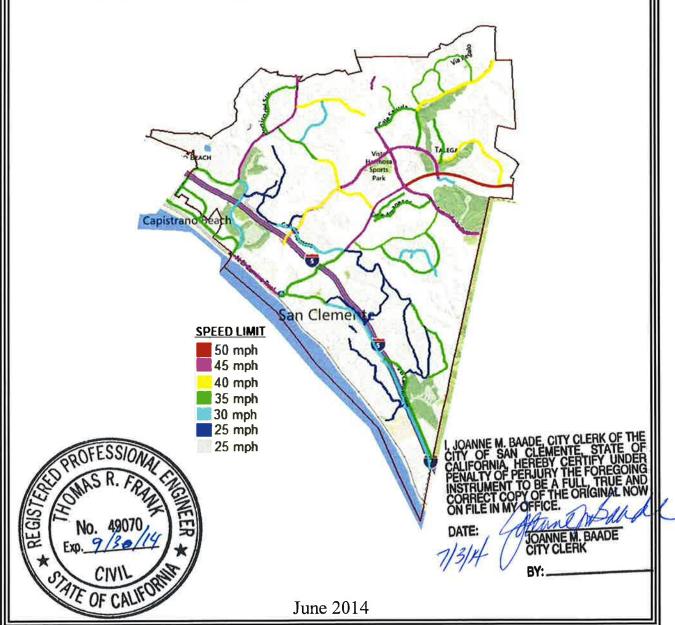


SPEED LIMITS ENGINEERING AND TRAFFIC SURVEYS





City of San Clemente Engineering Division

Thomas Frank, Transportation Engineering Mgr Phone: (949) 361-6127 Fax: (949) 361-8316

CERTIFICATION

This report constitutes an Engineering and Traffic Survey of speed limits within the City of San Clemente. The existing speed limits were reviewed for adequacy in terms of adjacent land use, functional classification, traffic demands, roadway design, speed surveys along individual roadways and speed limit continuity with neighboring jurisdictions. Traffic and roadside conditions not readily apparent to the motorists were also considered.

Data collection techniques are in compliance with Division 1, Section 627 and Division 17, Section 40802 (b) of the California Vehicle Code. The following reference materials were also used in the preparation of this Traffic and Engineering Survey:

- 1. CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2012 Edition State of California, Department of Transportation, Sacramento, California.
- 2. CALIFORNIA VEHICLE CODE, 2014 Edition California Department of Motor Vehicles, Sacramento, California.
- 1. COLLISION DATA ON CALIFORNIA STATE HIGHWAYS, 2010 Edition California Department of Transportation, Sacramento, California.
- 2. HIGHWAY DESIGN MANUAL, 6th Edition California Department of Transportation, Sacramento, California.

Locations, dates of study and pertinent background information are included in the full report. All data utilized in this report is on file in the Public Works Department, City of San Clemente, 910 Calle Negocio, Suite 100, and San Clemente, California 92673.

This document has been prepared by the City of San Clemente, Engineering Division.

I, Thomas Frank, do hereby certify that I am a Registered Civil Engineer in the State of California. The study and report were prepared under my supervision. Its contents are true and accurate to the best of my knowledge.

June 27, 2014

Thomas R. Frank, P.E.

R.C.E. No. 49070

ORDINANCE NO. 1580

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF SAN CLEMENTE, CALIFORNIA, AMENDING CHAPTER 10 OF THE MUNICIPAL CODE CONCERNING SPEED ZONES ON CITY STREETS

WHEREAS, the City has conducted speed surveys and engineering studies upon existing and new streets in the City; and

WHEREAS, the Planning Commission at their regular meeting of April 16, 2014 made a recommendation to the City Council to approve the establishment of speed limits based on recent Engineering and Traffic Survey.

NOW, THEREFORE, the City Council of the City of San Clemente, California, hereby ordains as follows:

Section 1: Section 10.16.020 of the Municipal Code of the City of San Clemente is hereby amended to read in its entirety as follows:

10.16.020 Decrease of state law maximum speed.

It is determined upon the basis of an engineering and traffic investigation that the speed permitted by state law outside of business and residential districts as applicable upon the following streets is greater than is reasonable or safe under the conditions found to exist upon such streets, and it is declared that the prima facie speed limit shall be as herein set forth on those streets or parts of streets herein designated when signs are erected giving notice thereof:

Name of Street or Portion Affected

Declared Prima Facie
Speed Limit

Acapulco, Avenida from Avenida San Pablo to Avenida San Pablo

Thirty-five miles per hour

Aguilla, Calle

Thirty miles per hour from Avenida Vista Montana to Calle

Pastadero

Altea, Calle from Calle Pedriza to terminus

Thirty-five miles per hour

Amanecer, Calle	
from Avenida Pico	to Avenida La Pata

Thirty-five miles per hour

Califía, Avenida from Avenida Del Presidente to terminus

Twenty-five miles per hour

Capistrano, Camino from El Camino Real to north City limit

Thirty-five miles per hour

Cerro, Calle Del from Avenida Pico to lower Avenida Vista Montana (west)

Forty miles per hour

Cerro, Calle Del from lower Avenida Vista Montana to Avenida La Pata

Thirty-five miles per hour

Del Rio, Camino Forty miles per hour from Camino de Los Mares to easterly terminus

Faro, Camino from Calle Frontera to Avenida Vista Hermosa

Twenty-five miles per hour

Frontera, Calle from Avenida Pico to to 600' s/o Caudra

Thirty miles per hour

Hermosa, Avenida Vista from Interstate 5 to Camino Vera Cruz

Forty miles per hour

Hermosa, Avenida Vista from Camino Vera Cruz to Avenida Pico

Forty-five miles per hour

La Pata, Avenida from Calle Saluda to South City Limits

Forty-five miles per hour

La Pedriza, Camino from Avenida Vista Hermosa to Avenida Pico.

Forty miles per hour

Mares, Camino de Los Forty-five miles per hour from Avenida Vaquero to its easterly City limit

Mira Costa, Camino Thirty-five miles per hour from Camino de Estrella to Camino Capistrano

Montana, Avenida Vista Thirty-five miles per hour from Calle Del Cerro to Calle Del Cerro

Negocio, Calle Thirty-five miles per hour from Calle Amanecer to its terminus

Pastadero, Calle
from Avenida Vista Montana to its terminus

Thirty miles per hour

Pico, Avenida Thirty-five miles per hour from El Camino Real to Calle Fronteral Avenida Presidio

Pico, Avenida Forty-five miles per hour from Calle Frontera/Avenida Presidio to Avenida La Pata

Pico, Avenida Fifty miles per hour from Avenida La Pata to east City limits

Portico Del Sur/Norte Thirty-five miles per hour from Camino de Los Mares to Camino de Los Mares

Real, El Camino (Pacific Coast Highway) Forty-five miles per hour from Camino Capistrano to Avenida Estacion

Real, El Camino

Thirty-five miles per hour
from Avenida Estacion to El Portal

Real, El Camino

Thirty miles per hour from El Portal to Avenida Valencia

Real, El Camino Thirty-five miles per hour from Avenida Valencia to southern City Limit Saluda, Calle Thirty-five miles per hour From Avenida La Pata to Avenida Talega San Pablo, Avenida Thirty-five miles per hour from Avenida Acapulco to northerly terminus Sarmentoso, Calle Thirty miles per hour from Camino Vera Cruz to Camino Del Rio Talega, Avenida Thirty-five miles per hour from Avenida Vista Hermosa to Calle Saluda Talega, Avenida Forty miles per hour from Calle Saluda to East City Limit Vaquero, Avenida Thirty miles per hour from Camino de Los Mares to Camino Capistrano Vera Cruz, Camino Forty miles per hour from Avenida Pico to Via Blanco Vera Cruz, Camino Thirty-five miles per hour from Via Blanco to Camino De Los Mares Section 2: The City Clerk shall certify to the passage of this ordinance and cause the same to be published as required by law, and the same shall take effect as provided APPROVED AND ADOPTED this 20th_day of __ 2014 May

ATTEST

by law.

City Clerk of the City of San Clemente, California

Mayor of the City of San Clemente, California

COUNTY	CALIFORNIA OF ORANGE AN CLEMENTE)) ss.)	
certify that (May 6, 201 unanimously Council held	Ordinance No. <u>1580</u> 14 w.	having been regulated as again introduced assed and adopted a	can Clemente, California, hereby arly introduced at the meeting of the reading in full thereof at a regular meeting of the City 2014, and said ordinance was
AYES: B	AKER, DONCHAK, E	EVERT, HAMM, MAYO	OR BROWN
NOES:	NONE		
ABSENT:	NONE		
IN WITNESS City of San	WHEREOF, I have h Clemente, Californi	ereunto set my hand a ia, this <u>&1</u> th day	and affixed the official seal of the of MAY
		CI	TY CLERK of the City of an Clemente, California
APPROVED A	S TO FORM:		
/s/ Jeff Oder	rman		8, 800 x y
CITY ATTORN	ΊΕΥ		I, JOANNE M. BAADE, CITY CLERK OF THE CITY OF SAN CLEMENTE, STATE OF CALIFORNIA, HEREBY CERTIFY UNDER PENALTY OF PERJURY THE FOREGOING INSTRUMENT TO BE A FULL, TRUE AND CORRECT COPY OF THE ORIGINAL NOW ON FILE IN MY OFFICE.

SPEED RADAR OPERATOR AND EQUIPMENT CERTIFICATION

TRANSPORTATION STUDIES, INC.

CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT -

- 1. Edell M. Braucksiek of Transportation Studies Inc. has successfully completed a Radar Operator course. This was based upon the national standards as outlined by the National Highway Traffic Safety Administration, and the national text "Understanding Police Traffic Radar and Laser" by Les Langford. This instructor is Steve Chauncey, a police officer since 1981 and a California P.O.S.T. certified Radar and Laser Instructor since 1991.
- 2. Edell M. Braucksiek completed the classroom instruction on operation and theory of Radar devices, case law, traffic and engineering surveys, FCC regulations, the California Vehicle Code and California case law as well as the test, set-up, operation and identification of erroneous readings.
- 3. Edell M. Braucksiek demonstrated competence in test and set-up of the Radar device as making visual speed estimations and identifying erroneous readings in field settings.
- 4. Edell M. Braucksiek of Transportation Studies Inc. is hereby certified as having completed a course of instruction for the purposes of Radar operation for determining car counts and raw data for traffic and engineering surveys as out lined in sections 627 and the 40800 series of the California Vehicle Code, Chapter 8 of the former Cal Trans Manual and applicable sections of Chapter 2 of MUTCD up to and including Revision 09-04 issued June 29, 2009. This certification is awarded on this 3rd Day of March, 2012.

Steve Chauncey

P.O.S.T. Certified Radar Instructor

TYOF SAN CLEMENTAFFIC RADAR CERTIFICATION

(NHTSA) National Highway and Traffic Safety Administration.

(IACP) International Association of Chiefs of Police.

16202 Keats Circle Westminster, Calif. 92683

R.H.F. is a certified independent testing and repair facility.

1	TEST ID	Date Received	3	Certificatio	n Number	1	5020				
	DELIGE IS	Manufacturer H		Model:		Тур	e (1-IV)		Directional radar	Same direct	
2	DEVICE ID	Counting unit S/N		Antenna-1			III		☐ Yes ☑ No Antenna-2 S/N	N/A	No
	§ 2.4 / § 5.4	Low speed fork S/N	Last d	ate calib.	Freq. (Hz)		Speed (m	iph)	Measured (Hz)	IVA	
3	TUNING FORK CALIBRATION	High speed fork S/N	Last d	ate calib.	Freq. (Hz)	Freq. (Hz)		ph)	Z 5 // Measured (Hz)	PASS	FAIL
-		- Part - Add	0.004,425	a depote by		fork					
				eed (mph)	35			7	High fork 65		
	§ 2.5 / § 5,5	Stationary mode	Disp. Sp.	peed (mph)	ed (mph) 35				65	-	X.
4	RADAR DEVICE TUNING FORK	Moving mode	TARGET		Expected.	> \		Disp	layed.	PASS	FAIL
	TESTS	Opposite Direction	(Hi fork ~		(mph)	N/	Ά	(mp	**************************************		11115
		Moving mode	TARGET Hi fork +	CARLO CONTRACTOR OF THE PROPERTY OF THE PROPER	Expected.	W. 7. /			layed.		
	***	Same Direction Standard supply	Ho fork -	Lo fork	(mph)	N/	_	(mph) N/A		
	§ 2.6.1. / § 5.6.1 TRANSMISSION	Voltage (V) 13.	.6 V F	intenna l req. GHz = 7	24.15	3	Antenr Freq. (N/A		
5	FREQUENCY	Standard supply Voltage – 20% (V) 10.		intenna 1	24.15		Antenr Freq. (N/A	PASS	FAIL
	STABILITY	Standard supply voltage + 20% (V) 16	A	intenna 1 req. GHz	24.15		Antenr	na 2			
6	§ 2.6.5 / § 5.6.5 POWER DENSITY	Mfg. Spec.	A	ntenna l			Freq. (na 2	N/A		- 1572-
7	§ 2.8 / § 5.8	(max mW/cm) ≤ Mfg, spec.		ower (mW/cm VA activates			Power LVA d		•	PASS	FAIL
	LOW VOLTAGE § 2.9.1 / § 5.9.1	(V) ≤ A. Audio tone correla	10.8V (V)	NI	A	(V)		NIA	PASS	FAIL
8	DOPPLER AUDIO	 B. Functioning audio 	volume-adji	ustment contro	r signai ol		BY Y		No No	PASS	FAIL
9	§ 2.12.4 / § 5.12.4 INTERNAL CIRCUIT	Mfg. Spec.	32		Test resu	ılts	3	3 -2	-	PASS	FAIL
10	§ 2.12.6.5 / § 5.12.6.5 DIRECTIONAL	A. Selects only target B. Selects only target	s moving to s moving av	wards radar way from rada		Yes Yes			N.A. N.A.	PASS	FAIL
		Stationary mode:	Le	ow speed spec	20		Lo spec	ed disp	20		
	§ 2.12.7 / § 2.12.8 /	target channel (mph)	Н	i speed spec.	199		Hi spee	d disp.	199		
11	5.12.7 / 5.12.8 LOW AND HIGH	Moving Mode	Lo	ow speed spec	. N/A		Lo spec	ed disp			
	SPEED DISPLAY TEST	target channel (mph)	Н	i speed spec.	N/A	1	Hi spee	d disp.	N/A	PASS	FAIL
	1631	Moving Mode:	Lo	ow speed spec	. N/A		Lo spec	d disp	N/A		
	0.10.10.7.10	patrol channel (mph)	Н	i speed spec.	N/A		Hi spee	d disp.	N/A		
12	§ 2.13 / § 5.13 RFI TEST		14	12 (2000)				1	VIA	PASS	FAIL
13	LABORATORY COMMENTS					an and		SECTION C		261	
14	NHTSA/IACP CERTIFICATION	This radar device n Highway Safety Ad Certified by:	Finistral	tion. Calif	ornia Vehi	icle	Code Se	stand	40802	onal Traffic	FAIL
15	INVENTORY	☐ Fork Cert ☐ Ma ☐ Carrying Case ☐	mual ther: (pleas	□ 2 nd Ant.	□ Remo	ote	□ Ba	at.			

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
1	Acapulco, Avenida Avenida San Pablo to Avenida San Pablo	1,300	0.66	1.32	1/17/2014	34 mph	38 mph	35 mph
2	Aguila, Calle Avenida Vista Montana to Calle Pastadero	1,200	2.51	1.32	1/16/2014	28 mph	31 mph	30 mph
3	Altea, Calle Camino La Pedriza to Terminus	900	0	1.32	1/13/2014	34 mph	39 mph	35 mph
4	Amanecer, Calle Avenida Pico to Avenida La Pata	7,300	0.25	1.32	1/16/2014	36 mph	41 mph	35 mph
5	Califia, Avenida Avenida Del Presidente to terminus	1,400	4.59	1.32	1/21/2014	23 mph	26 mph	25 mph
6	Capistrano, Camino El Camino Real (Pacific Coast Highway) to North City Limit	8,200	1.51	1.32	1/14/2014	30 mph	33 mph	35 mph
7	Cerro, Del Calle Avenida Pico to Avenida Vista Montana (west)	14,000	1.34	1.81	1/16/2014	34 mph	40 mph	40 mph
8	Cerro, Del Calle Avenida Vista Montana to Avenida La Pata	5,000	3.01	1.81	1/16/2014	33 mph	38 mph	35 mph
9	Del Rio, Camino Camino de Los Mares to Easterly terminus	4,000	0.82	3.97	1/7/2014	37 mph	42 mph	40 mph
10	El Portal, East El Camino Real to Avenida de La Estrella	12,000	0.42	1.32	1/14/2014	27 mph	29 mph	25 mph

¹ADT - Average Daily Traffic from 2010 to 2014

²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
11	Estrella, Avenida De La Avenida Presidio to East El Portal	7,000	1.55	1.32	1/14/2014	27 mph	31 mph	25 mph
12	Estrella, Camino de Interstate 5 to West City Limit	10,000	3.53	3.97	1/6/2014	30 mph	35 mph	35 mph
13	Faro, Camino Calle Frontera to Avenida Vista Hermosa	1,500	4.07	1.32	1/15/2014	24 mph	27 mph	25 mph
14	Fresas, Avenida (Private Street) Calle Saluda to Calle Gaulteria	1,500	1.28	1.32	1/8/2014	30 mph	35 mph	35 mph
15	Frontera, Calle Avenida Pico to 600' s/o Cuadra	6,000	1.03	1.32	1/15/2014	34 mph	37 mph	30 mph
16	Frontera, Calle ~600' S. of Calle Cuadra to Calle Vallarta	7,000	0.51	1.32	1/15/2014	28 mph	30 mph	25 mph
17	Fuerte, Camino Viente (Private Street) Avenida Talega west to Via Agradar Via Agradar to Avenida Talega east	1,700	0	1.32 1.32	1/13/2014	36 mph 33 mph	40 mph 36 mph	35 mph
18	Grande, Camino Tierra (Private Street) Avenida Talega to Via Timon Via Timon to Camino Viento Fuerte	2,700	0	1.32 1.32	1/21/2014	33 mph 32 mph	36 mph 36 mph	35 mph
19	Guadalajara, Calle Calle Nuevo to Avenida Vaquero	1,500	0.91	1.32	1/14/2014	26 mph	30 mph	25 mph
20	Hermosa, Avenida Vista I-5 Southbound Off-ramp to Via Turqueza Via Turqueza to Camino Vera Cruz	27,250 25,000		1.81	2/21/14 1/7/14	40 mph 41 mph	45 mph 46 mph	40 mph

¹ADT - Average Daily Traffic from 2010 to 2014

²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
21	Hermosa, Avenida Vista Camino Vera Cruz to Avenida La Pata Avenida La Pata to Avenida Pico	19,000 9,000	0.46 0.93	1.81	1/7/2014	44 mph 38 mph	49 mph 44 mph	45 mph
22	La Pata, Avenida Calle Saluda to East Avenida Pico Avenida Pico to Calle Del Cerro Calle Del Cerro to South City Limit	5,500 9,000 9,000	1.18 1.05 0.85	1.81	1/8/2014	45 mph 42 mph 43 mph	50 mph 48 mph 47 mph	45 mph
23	La Pedriza, Camino Avenida Vista Hermosa to Via Amor Via Amor to Avenida Pico	2,000	2.32 1.10	1.32	1/13/2014	38 mph 37 mph	43 mph 42 mph	40 mph
24	Mares, Camino De Los Interstate 5 to Avenida Vaquero	31,000	3.74	1.81	1/6/2014	29 mph	33 mph	35 mph
25	Mares, Camino De Los Avenida Vaquero to Camino Vera Cruz Camino Vera Cruz to East City Limit	16,000 7,000	0.94 2.16	3.97	1/6/2014	46 mph 40 mph	49 mph 45 mph	45 mph
26	Mira Costa, Camino Camino Capistrano to Camino De Estrella	9,000	1.16	3.97	1/14/2014	38 mph	42 mph	35 mph
27	Montana, Avenida Vista Calle Del Cerro to Calle Del Cerro	5,000	0.85	1.32	1/16/2014	37 mph	41 mph	35 mph
28	Negocio, Calle Calle Amanecer to its terminus	3,100	1.87	1.32	1/16/2014	33 mph	36 mph	35 mph
29	Ola Vista, South Avenida Del Mar to Avenida Valencia Avenida Valencia to Avenida Califia	3,000 1,800	4.87 5.71	1.32	1/22/2014	25 mph 25 mph	27 mph 29 mph	25 mph
30	Pastadero, Calle Avenida Vista Montana to its terminus	500	0	1.32	1/16/2014	28 mph	31 mph	30 mph

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²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
31	Pico, Avenida El Camino Real to Calle De Los Molinos Calle De Los Molinos to Cl Frontera/Av Presidi	12,000 o	1.23 3.40	1.81	1/9/2014	37 mph 28 mph	41 mph 32 mph	35 mph
32	Pico, Avenida Calle Frontera / Avenida Presidio to Amanecer Calle Amanecer to Avenida La Pata	37,000 24,000	0.63 2.09	1.81	1/9/2014	45 mph 38 mph	49 mph 45 mph	45 mph
33	Pico, Avenida Avenida La Pata to Avenida Vista Hermosa Avenida Vista Hermosa to East City Limit	14,000 8,000	0.84 0.59	1.81	1/9/2014	45 mph 43 mph	51 mph 49 mph	50 mph
34	Portico Del Sur / Norte Camino de Los Mares to Camino de Los Mares	500	3.54	1.32	1/14/2014	36 mph	40 mph	35 mph
35	Presidente, Avenida Del Avenida Valencia to Avenida Califia Avenida Califia to Cristianitos Road	1,350 3,500	3.57 3.01	1.32	1/21/2014	32 mph 27 mph	35 mph 30 mph	30 mph
36	Presidio, Avenida El Camino Real to Calle Escuela Calle Escuela to Avenida Pico	7,800 5,800	1.79 2.86	1.32	3/25/2014 3/24/2014	28 mph 27 mph	31 mph 30 mph	25 mph
37	Puerta del Sol / Hermosa, Avenida Vista Avenida Pico to Avenida Pico	2,000	0	1.32	1/13/2014	28 mph	31 mph	30 mph
38	Real, El Camino (Pacific Coast Highway) Camino Capistrano to Avenida Estacion	16,000	1.09	1.32	1/10/2014	46 mph	50 mph	45 mph
39	Real, El Camino Avenida Estacion to Calle De Los Molinos Calle De Los Molinos to El Portal	14,000 15,500	4.13 3.14	3.97	1/10/2014	31 mph 33 mph	35 mph 36 mph	35 mph
40	Real, El Camino El Portal to Avenida Palizada Avenida Palizada to Avenida Presidio Avenida Presidio to Avenida Valencia	17,000 18,500 16,000	7.03	3.97	1/10/2014	28 mph 24 mph 29 mph	31 mph 27 mph 33 mph	30 mph

¹ADT - Average Daily Traffic from 2010 to 2014

²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
41	Real, El Camino Avenida Valencia to Del Commercio Del Commercio to South City Limit	12,500 6,000	3.65 3.42	3.97	1/10/2014	33 mph 38 mph	37 mph 42 mph	35 mph
42	Saluda, Calle Avenida La Pata to Avenida Fresas Avenida Fresas to Avenida Talega	5,000 4,900	0 0.56	1.32	1/8/2014	35 mph 37 mph	39 mph 40 mph	35 mph
43	Salvador, Avenida Avenida Presidio to Avenida San Pablo	2,000	1.77	1.32	3/25/2014	27 mph	31 mph	25 mph
44	San Pablo, Avenida (WB one-way) San Gabriel to El Camino Real	1,500	0	1.32	1/17/2014	20 mph	23 mph	25 mph
45	San Pablo, Avenida San Gabriel to Avenida Acapulco	2,500	6.94	1.32	1/17/2014	27 mph	31 mph	25 mph
46	San Pablo, Avenida Avenida Acapulco to northerly terminus	1,500	0.85	1.32	1/17/2014	35 mph	41 mph	35 mph
47	Sarmentoso Camino Vera Cruz to Camino Del Rio	2,000	1.09	1.32	2/19/2014	26 mph	29 mph	30 mph
48	Talega, Avenida Avenida Vista Hermosa to Calle Saluda	10,000	0.79	1.81	2/19/2014	34 mph	39 mph	35 mph
49	Talega, Avenida Calle Saluda to East City Limit	8,000	0.37	1.81	1/7/2014	38 mph	44 mph	40 mph
50	Vaquero, Avenida Camino De Los Mares to Calle Guadalajara Calle Guadalajara to Calle Vista Torito Calle Vista Torito to Camino Capistrano	6,500 4,200 5,100	2.23 1.79 0.98	1.32	1/6/2014	32 mph 33 mph 31 mph	35 mph 36 mph 34 mph	30 mph

¹ADT - Average Daily Traffic from 2010 to 2014

²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)

2014 CITYWIDE SPEED LIMIT UPDATE

No.	Location	ADT ¹	Accident Rate ²	Expected Accident Rate ³	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit
51	Vera Cruz, Camino Avenida Pico to Avenida Vista Hermosa Avenida Vista Hermosa to Via Blanco	10,500 17,000	1.19 0.87	1.81	1/9/2014	39 mph 39 mph	43 mph 44 mph	40 mph
52	Vera Cruz, Camino Via Blanco to Camino De Los Mares	10,500	0.55	1.81	1/9/2014	36 mph	41 mph	35 mph

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²Accident Rate - Orange County Sheriff data from 1/1/2011 to 12/31/2013

³Expected Accident Rate - 2010 Caltrans Collision Data for District 12 (Orange County)



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/17/14 TIME START: 11:00 AM TIME STOP: 12:00 PM
DAY OF WEEK: Friday WEATHER: Clear

SPEED	VEHICLI	ES SURVEYED	TOTAL	** **	CUML.	
(MPH)	EASTBOUND	WESTBOUND	VEH	% OF TOTAL	%	LOCATION: AVENIDA ACAPULCO
65			0	0%	100%	N. Avenida San Pablo to S. Avenida San Pablo
64			0	0%	100%	1
63			0	0%	100%	ROAD CHARACTERISTICS:
62			0	0%	100%	Width: 40 ft. Sidewalks/Driveways: yes
61			0	0%	100%	No. of Lanes for Both Directions: 2 On-Street Parking: yes
60			0	0%	100%	Horizontal Alignment Design Speed: 35 MPH Crosswalks: no
59			0	0%	100%	Vertical Alignment Design Speed: 35 MPH Traffic Controls: stop sign at Ave. San Pablo
58			0	0%	100%	
57			0	0%	100%	
56			0	0%	100%	ROADWAY CONDITIONS:
55			0	0%	100%	Lateral Visibility: good Driveway Density: medium
54			0	0%	100%	Surface Condition: good Ped.& Bicycle Activity: low
53			0	0%	100%	
52			0	0%	100%	
51			0	0%	100%	AVERAGE DAILY TRAFFIC: 1,300 SEGMENT LENGTH (ft): 5,584
50 40		+++++++++++++++++++++++++++++++++++++++	0	0% 0%	100% 100%	
49 48		+++++++++++++++++++++++++++++++++++++++	0	0%	100%	
47			0	0%	100%	ACCIDENTS 3-YR TOTAL: 1 ACCIDENT RATE: 0.66 accidents per million
46			0	0%	100%	(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
45		x	1	1%	100%	\
44			0	0%	99%	EXISTING SPEED LIMIT: 35 MPH APPROVED SPEED LIMIT: 35 MPH
43		XXXXX	5	5%	99%	
42			0	0%	94%	
41	ХX	x	3	3%	94%	
40	X	XXX	4	4%	91%	85TH %: 38 M.P.H. 10 MPH PACE: 29 - 38 M.P.H.
39	XX		2	2%	87%	<u> </u>
38	X	XXXX	6	6%	85% *	* 50TH %:33
37	X	XXX	9	4% 9%	79% * 75% *	AFTUN.
36 35	X X X X X X X X X X X	XXXX	9	9%	66% P	* 15TH %: 28 M.P.H. % OVER PACE: 15%
	XXXXXXX	XX	9	9%		A AVERAGE SPEED: 34 M.P.H. % UNDER PACE: 12%
33	XXXX	XXX	7	7%		AVERAGE SPEED. 34 IVI.F.H. % UNDER PAGE. 1270
32	XXXXX	XXXXX	10	10%	41% E	
	XXXX	XXXXX	9	9%	31% *	* COMMENTS AND/OR RECOMMENDATIONS:
30	x	xxx	4	4%	22% *	*
29	xxx	xxx	6	6%	18% *	Based on the geometric design of Avenida Acapulco and its location within the residential zone, it is
28	XXX	ХX	5	5%	12%	recommended to post 35 MPH speed limit on this street segment.
27	XXXX		4	4%	7%	
26		x	1	1%	3%	
25	X		1	1%	2%	
24			0	0%	1%	
23			0	0%	1%	ODCEDVED DV. AND AND AND AND AND AND AND ADDRESS DV. AND
22			0	0% 0%	1%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
21 20			0	1%	1% 1%	
20 19		11^111111111111111111111111111111111111	0	0%	0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18		+++++++++++++++++++++++++++++++++++++++	0	0%	0%	THOMAS FIGUR, P.E.
17		 	0	0%	0%	
16		 	0	0%	0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/17/2019
15		+++++++++++++++++++++++++++++++++++++++	0	0%	0%	FLN 0.4.0. 40002, 30NVET EAFIRES. 1/11/2019
	OTAL NUMBER OF VEHICLES	S = 100	100	100%	0,0	
- 11	JIAL NUMBER OF VEHICLES	3 - 100	100	100 /0		



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 2:00 PM TIME STOP: 3:00 PM

DAY OF WEEK: Thursday WEATHER: Clear

SPEED	VEHI	CLES SURVEYED		CUML.					
(MPH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	LOCATION:	CALLE AGUILA			
65			0%	100%		Avenida Vista M	ontana to C	alle Pastadero	
64			0%	100%		7 (VOIIIGA VIOLA IVI	oritaria to o	and I adiadero	
63			0%	100%	ROAD CHARACTER	ISTICS:			
62			0%	100%	NOAD CHARACTER	Width:	40 ft.	Sidewalks/Driveways:	yes
61			0%	100%	No of Lanes	for Both Directions:	2	On-Street Parking:	
60		 	0%	100%		ment Design Speed:	31 mph	Crosswalks:	yes
59		 	0%	100%		ment Design Speed:	37 mph	Traffic Controls:	
58			0%	100%					stop sign at Ave. Vista Montana
57			0%	100%					and CI. Pastadero
56			0%	100%	ROADWAY CONDIT	IONS:			
55			0%	100%		Lateral Visibility:	good	Driveway Density:	low
54			0%	100%		Surface Condition:		Ped.& Bicycle Activity:	
53			0%	100%			9		high (during school hours)
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	RAFFIC:	1,200	SEGMENT LENGTH (ft):	1.600
50			0%	100%		,		. ,	
49			0%	100%					
48			0%	100%					
47			0%	100%	ACCIDENTS 3-YR TO	OTAL:	11	ACCIDENT RATE:	2.51 accidents per million
46			0%	100%	(1/1/2011 - 12/31/201	13)		Avg. Accident Rate in District 12:	1.32 vehicles miles
45			0%	100%					
44			0%	100%	EXISTING SPEED LI	MIT:	30 MPH	APPROVED SPEED LIMIT:	30 MPH
43			0%	100%		,			
42			0%	100%					
41			0%	100%					
40			0%	100%	85TH %:	31	MPH	10 MPH PACE:	23 - 32 MPH
39			0%	100%					
38			0%	100%	50TH %:	27	MPH	% IN PACE:	84%
37		X	1%	100%					
36		VVVV	0% 4%	99% 99%	15TH %:	23	MPH	% OVER PACE:	11%
35		XXXX	3%	95%	AVED ACE OBEED.	28	MPH	9/ HADER BACE.	5%
34 33		XXX	3%	92%	AVERAGE SPEED:		IVIPH	% UNDER PACE:	376
32		xxxxx	5%	89% *					
31	xxx	XXX	6%	84% *	COMMENTS AND/O	R RECOMMENDAT	IONS:		
30	XXXXXX	XXXX	10%	78% *	SSIMILITIO AND/O				
29	XXXXXX	XXXXX	11%	68% P	Calle Aquila provid	les direct access t	o Rancho S	an Clemente park and Lobo Elei	mentary school
28	XXXXX	xx	7%	57% A				its location within the school and	•
27	XXXXX	xxxx	9%	50% C	recommended to p				a public park, it is
26	x x x x x x x	xxxx	12%	41% E	i econiniended to p	ost so initu spee	u mini on th	s succi scyment.	
25	XXXX	xxx	7%	29% *					
24	XXXXX	XXXX	10%	22% *					
23	XXXX	x x	7%	12% *					
22	XXX	x	4%	5%	OBSERVED BY:	Mike Almir, Transp	ortation Studi	ies, Inc. STUDY PREPARED BY:	Jane Mrotek
21		x	1%	1%					
20			0%	0%	DE00141-115-1-1-1	1 ADDD 01/22 21/			
19			0%	0%	RECOMMENDATION	N APPROVED BY:	Thomas Fra	ank, P.E.	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, S	SURVEY EXPIRES:	1/16/2019		
15			0%	0%					
T	OTAL NUMBER OF VEHIC	LES = 100	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/13/14 TIME START: 9:00 AM TIME STOP: 10:30 AM

DAY OF WEEK: Monday WEATHER: Clear

SPEED	VEHICLES SURVEY	'ED (450' N/O VIA RESEDA)		CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	CALLE ALTEA			
65			0%	100%		Camino La Ped	driza to Termir	nus	
64			0%	100%					
63			0%	100%	ROAD CHARACTERIS	STICS:			
62			0%	100%		Width	: 40 ft.	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes for	or Both Directions	: 2	On-Street Parking:	yes
60			0%	100%	Horizontal Alignme	ent Design Speed	: 50 MPH	Crosswalks:	yes
59			0%	100%	Vertical Alignme	ent Design Speed	:50 MPH	Traffic Controls:	Stop sign and crosswalk on Altea
58			0%	100%					at Camino Pedriza, Neighborhood
57			0%	100%					Park
56			0%	100%	ROADWAY CONDITIO				
55			0%	100%		Lateral Visibility		Driveway Density:	low
54			0%	100%		Surface Condition	n: good	Ped.& Bicycle Activity:	medium
53			0%	100%					
52			0%	100%					
51			0%	100%	AVERAGE DAILY TRA	AFFIC:	900	SEGMENT LENGTH (ft):	3,230
50			0%	100%					
49			0% 0%	100% 100%					
48 47			1%	100%	ACCIDENTS 3-YR TO	ΤΔΙ ·	0	ACCIDENT RATE:	0.00 accidents per million
46			0%	99%	(1/1/2011 - 12/31/2013			Avg. Accident Rate in District 12:	·
45		xx	2%	99%	(1/1/2011 - 12/31/2013	·)		Avg. Accident Nate in District 12.	1.52 Verillies filles
		XX	2%	97%	EVICTING COEED LIM	AIT.	35 MPH	ARREOVED SPEED LIMIT.	35 MPH
44			2%	95%	EXISTING SPEED LIM	111.	33 IVIFIT	APPROVED SPEED LIMIT:	35 WIFH
43	x	x x x x	3%	93%					
42 41	^	XXXX	4%	90%					
40		XX	2%	86%	85TH %:	39	MPH	10 MPH PACE:	30 - 39 MPH
39		XXX	3%	84% *	03111 76.		1411	TO MILITITAGE.	00 00 Wii 11
38	хх	xxx	5%	81% *	50TH %:	32	MPH	% IN PACE:	65%
37		xxx	3%	76% *					
36	ХX	хх	4%	73% P	15TH %:	27	MPH	% OVER PACE:	16%
35	XXXX	xxxx	9%	69% A					
34	ХX	XXXXX	7%	60% C	AVERAGE SPEED:	34	MPH	% UNDER PACE:	19%
	x x x x x x x x	xxxx	13%	53% E					
	x x x x x	xxxx	9%	41% *					
	XXX	XXXX	7%	32% *	COMMENTS AND/OR	RECOMMENDA	TIONS:		
	XXX	XXX	6%	25% *	O-H- Alta-ia	Lastanat			
	x x x x x x		2% 4%	19% 17%				ga residential communities. Ba	
	X X X X		4%	13%		•		cent to a community recreation	tacility and park, it is
	XX		2%	9%	recommended to po	st 35 MPH spe	ed limit on this	s street segment.	
25	X X X X X X		6%	7%					
24			0%	1%					
23			0%	1%					
22			0%	1%	OBSERVED BY:	Mike Almir, Trans	sportation Studie	es Inc. STUDY PREPARED BY:	Jane Mrotek
21			0%	1%		,	,		
20	х		1%	1%					
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Fra	nk, P.E	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, SU	JRVEY EXPIRES:	1/13/2019		
15			0%	0%					
T	OTAL NUMBER OF VEHICLE	S = 101	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 10:00 AM TIME STOP: 11:00 AM DAY OF WEEK: Thursday WEATHER: Clear

SPEED										VEH	ICLES	S	JR	VI	ΕY	ΕI)						% OF	CUML.	Π
(MPH)	Г				Е	A	ST	В	OUN	ID						W	Æ:	ST	В	วบ	ND		% OF TOTAL	%	
65												Î											0%	100%	1
64	Н																						0%	100%	-
63	Н																						0%	100%	1
62	Н																						0%	100%	1
61	Н																					-	0%	100%	_
60	Н											t											0%	100%	-
59	Н											t											0%	100%	4
58	Н																					-	0%	100%	4
57	Н											t											0%	100%	4
56	Н																					-	0%	100%	4
55	Н																						0%	100%	-
54	Н																					-	0%	100%	-
	Н																						0%	100%	
53	Н																						0%	100%	
52	Н																							100%	_
51	L																						0% 1%		-
50	х											١.,												100%	-
49	Н											X											1% 1%	100% 99%	_
48 47	x	v										X											2%	99%	4
46	î											ı^											2%	97%	4
	_											1^											1%	96%	4
45	X											١.,													1
44	_			Х									X									ш	3%	95%	
43						X							X			Х						ш	6%	92%	_
42	_			X								_	X		Х							ш	4%	86%	
41	Х	X	X	Х	Х	Х	Х					Х	Х	X								ш	5%	82%	_
40	_			Х								_	Х				Х	Х	Х			ш	6%	77%	
39	_					Х	Х					_	Х									ш	6%	71%	-
38	Х	X	Х	Х	Х							Х	Х	X	Х	Х	Х	Х				ш	6%	65%	4
37							X	Х	Х				Х									Ш	10%	59%	4
36	_			Х									Х									ш	8%	50%	4
35	Х	X	Х	Х	Х	Х	Х					Х	Х	X	Х	Х	Х	Х	Х	Х	X	ш	9%	42%	4
34				Х	X	Х	X					_	Х									Ш	6%	34%	4
33	Х											_	Х				X	X				ш	5%	28%	4
32	Х	X	Х	Х								Х	Х	X	Х	Х						ш	5%	24%	4
31	Х												Х									Ш	3%	19%	4
30	Х	X	X									_	Х	X	Х	Х						ш	4%	17%	4
29	Х	X	X	Х	Х	Х	Х	Х				_	Х									ш	5%	13%	4
28	Ш											_	Х									ш	1%	8%	4
27	_		Х	Х	X							Х										ш	3%	7%	
26	Х											Х										ш	1%	4%	
25	Х	X	Х	X																		ш	2%	3%	1
24	Ц																					ш	0%	1%	1
23	Ц																					ш	0%	1%	-
22	Ц																					ш	0%	1%	-
21	Х																					ш	1%	1%	-
20	Ц																					ш	0%	0%	4
19	Ц																					ш	0%	0%	4
18	Ц																					ш	0%	0%	4
17	Ц																					ш	0%	0%	1
16	П																						0%	0%	1
15	П	Г	Г	Г	Г	П	Г	П		П	П	ı	П	Г	П	П			П	T			0%	0%	1
т,	ОΤ	ΑΙ	_ 1	ΝU	М	ВЕ	R	0	F VI	HIC	LES:		20	nn	_	_	_	_	_	_			100%		1

LOCATION:	CALLE AMANE Avenida Pico to		Pata	
Horizontal Alignm Vertical Alignm	Width: for Both Directions: ent Design Speed: ent Design Speed:	2 35 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	yes no no signalized at Ave. Pico, Ave. La Pata, and Cl. Negocio
ROADWAY CONDITION	ONS: Lateral Visibility: Surface Condition:		Driveway Density: Ped.& Bicycle Activity:	medium low
AVERAGE DAILY TR	AFFIC:	7,300	SEGMENT LENGTH (ft):	5,540
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013		2	ACCIDENT RATE: Avg. Accident Rate in District 12:	accidents per million 1.32 vehicles miles
EXISTING SPEED LIM	MIT:	35 MPH	APPROVED SPEED LIMIT:	35 MPH
85TH %:	41	MPH	10 MPH PACE:	34 - 43 MPH
85TH %: 50TH %:	36	MPH MPH	10 MPH PACE: % IN PACE:	34 - 43 MPH 64%
50TH %:	36	MPH	% IN PACE:	64%
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric	36 29 36 RECOMMENDAT	MPH MPH MPH TIONS:	% IN PACE: % OVER PACE:	64% 9% 28% ess buildings along
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric Calle Amanecer, it	36 29 36 RECOMMENDAT	MPH MPH TIONS: reet, the high to post the s	% IN PACE: % OVER PACE: % UNDER PACE: n density of industrial and busine peed limit on this segment of Ca	9% 28% ess buildings along alle Amanecer at 35
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric Calle Amanecer, it is	36 29 36 RECOMMENDAT C design of the st is recommended	MPH MPH TIONS: creet, the high to post the secondarion Studies	% IN PACE: % OVER PACE: % UNDER PACE: n density of industrial and busine peed limit on this segment of Ca	9% 28% ess buildings along alle Amanecer at 35



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/21/14 TIME START: 2:00 PM TIME STOP: 3:00 PM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICLE	ES SURVEYED	% OF	CUML.					
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION:	AVENIDA CAL	IFIA		
65			0%	100%		Avenida Del Pr	esidente to te	rminus	
64			0%	100%					
63			0%	100%	ROAD CHARACTER	ISTICS:			
62			0%	100%		Width		Sidewalks/Driveways:	
61			0%	100%		for Both Directions		On-Street Parking:	
60			0%	100%		nent Design Speed		Crosswalks:	
59			0% 0%	100%	Vertical Alignn	nent Design Speed	d: <u>25 mph</u>	I raffic Controls:	stop sign at Ave. Del Presidente
58		+++++++++++++++++++++++++++++++++++++++	0%	100%					
57 56		+++++++++++++++++++++++++++++++++++++++	0%	100%	ROADWAY CONDITI	ONE			
55		+++++++++++++++++++++++++++++++++++++++	0%	100%	ROADWAT CONDITI	Lateral Visibility	y: good	Driveway Density:	medium
54			0%	100%		Surface Condition		Ped.& Bicycle Activity:	
53		+++++++++++++++++++++++++++++++++++++++	0%	100%		Surface Coridition	ii. good	red. & Dicycle Activity.	- Iligii
52		+++++++++++++++++++++++++++++++++++++++	0%	100%					
51		 	0%	100%	AVERAGE DAILY TR	AFFIC:	1,400	SEGMENT LENGTH (ft):	1.500
50		 	0%	100%	7.0.2.0.02.27.02.		.,	0_0 ().	.,000
49			0%	100%					
48			0%	100%					
47			0%	100%	ACCIDENTS 3-YR TO		2	ACCIDENT RATE:	
46			0%	100%	(1/1/2011 - 12/31/201	3)		Avg. Accident Rate in District 12:	1.32 vehicles miles
45			0%	100%					
44			0%	100%	EXISTING SPEED LI	MIT:	25 MPH	APPROVED SPEED LIMIT:	25 MPH
43			0%	100%					
42			0%	100%					
41			0%	100%					
40 39			0% 0%	100%	85TH %:	26	MPH	10 MPH PACE:	19 - 28 MPH
39		+++++++++++++++++++++++++++++++++++++++	0%	100%	50TH %:	22	MPH	% IN PACE:	91%
37		+++++++++++++++++++++++++++++++++++++++	0%	100%	JU111 /0.		IVIFTI	70 IN FACE.	9176
36		 	0%	100%	15TH %:	19	MPH	% OVER PACE:	2%
35		 	0%	100%	10111701			,,	
34			0%	100%	AVERAGE SPEED:	23	MPH	% UNDER PACE:	7%
33			0%	100%					
32			0%	100%					
31	x	x	1%	100%	COMMENTS AND/O	R RECOMMENDA	TIONS:		
30		хх	1%	99%					
29			0%	98%				e park and San Clemente State	
28 27	XXXXXX	XXXXXX	7% 7%	98% * 91% *		0 . 0		volume of pedestrians and biker	s sharing the road, it
26	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	9%	84% *	is recommended to	post the speed	limit of 25 MP	H on Avenida Califia.	
25	XXXXXXXXX	XXXXXXXXXXX	11%	74% P					
24	XXXXXXXXX	XXXXXXXXX	9%	63% A					
23	XXXXXXXX	XXXXXXXXXXXXX	11%	54% C					
22	xxxxxxxxxxx	xxxxxxxxxx	11%	43% E	OBSERVED BY:	Mike Almir, Trans	sportation Studi	ies, Inc. STUDY PREPARED BY:	Jane Mrotek
21	x x x x x x x x	xxxxxxxxxx	10%	31% *					
20	x x x x x x x x x x x x	xxxxx	9%	21% *					
19	X X X X X X X	XXXX	5%	12% *	RECOMMENDATION	APPROVED BY:	Thomas Fra	ank, P.E.	
18	x x x x x x x x	xxxxx	6%	7%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, S	SURVEY EXPIRES	: 1/21/2019		
15	X		0%	0%					
Т	OTAL NUMBER OF VEHICLES	S = 202	100%						



EASTBOUND

SPEED

64 63

62

61

60

59

58

57

56

55

54

53

52 51

50

49 48

47

46 45

44

43

42 41

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VEHICLES SURVEYED

WESTBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL 0% 100%

> 09 100%

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

0%

0% 100%

0% 100%

0% 100%

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0% 100%

0% 100%

0% 100% 0% 100%

0% 100% 100%

0%

1%

2%

3% 95%

5%

5%

8%

12%

7%

9%

11%

8%

7%

4%

4%

4%

CUML

%

100% 0% 100%

100% 0% 100%

> 99% 99%

97%

92%

87%

82%

74% P

62% A

55% **C**

46% E

35%

27%

20%

15%

11%

6%

3% 1% 0% 0%

0% 0%

0%

DATE OF SURVEY: 1/14/14 TIME START: 2:00 PM TIME STOP: 2:45 PM DAY OF WEEK: Tuesday WEATHER: Clear LOCATION: **CAMINO CAPISTRANO** El Camino Real (Pacific Coast Highway) to North City Limit ROAD CHARACTERISTICS: Width (ft): 64 Sidewalks/Driveways: No. of Lanes for Both Directions: 2 On-Street Parking: ves Crosswalks: Horizontal Alignment Design Speed: 40 MPH no Vertical Alignment Design Speed: 35 MPH Traffic Controls: traffic signal at El Camino Real & Ave. Vaguero **ROADWAY CONDITIONS:** Lateral Visibility: limited Driveway Density: low Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 8,200 SEGMENT LENGTH (ft): 3,120 ACCIDENTS 3-YR TOTAL: accidents per million 8 ACCIDENT RATE: 1.51 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 35 MPH APPROVED SPEED LIMIT: 35 MPH **EXISTING SPEED LIMIT:** 85TH %: 33 MPH 10 MPH PACE: 26 - 35 MPH MPH 50TH %: 29 % IN PACE: 77% 15TH %: 25 MPH % OVER PACE: 8% AVERAGE SPEED: 30 MPH % UNDER PACE: 15% COMMENTS AND/OR RECOMMENDATIONS: Camino Capistrano provides direct access beach and is located in the vicinity of golf courses. Based on the street geometric, various street widths, the volume of pedestrian and bike traffic, and the high accident rate, it is recommended to post the speed limit of 35 MPH on Camino Capistrano. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

22	хх	XXXX	3%
21	x	ХX	1%
20	x	ХX	1%
19			0%
18			0%
17			0%
16			0%
15			0%
	TOTAL NUMBER OF VEHICLES	: 205	100%

ххх

ххх

ххх

XXXXXXX

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X X X X XXXXXX

XXX

XXXXXXXXX XXXXXXXXXX

PER C.V.C. 40802, SURVEY EXPIRES: 1/14/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 12:00 PM TIME STOP: 1:00 PM

DAY OF WEEK: Thursday WEATHER: Clear

SPEED	VEHIC	LES SURVEYED		CUML.						
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	CALLE DEL CEI	RRO			
65			0%	100%		Avenida Pico to	Avenida Vist	a Montana (west)		
64			0%	100%		7 11 01 11 00 10	, , , , , , , , , , , , , , , , , , , ,	a mornana (moot)		
63			0%	100%	ROAD CHARACTERI	STICS:				
62			0%	100%	None of a transfer	Width (ft):	58	Sidewalks/Driveways:	yes	
61			0%	100%	No. of Lanes	for Both Directions:	4	On-Street Parking:	no	
60			0%	100%		nent Design Speed:	50 MPH	Crosswalks:	yes	
59			0%	100%		nent Design Speed:			traffic signal lights at Ave P	ico and
58			0%	100%		=gp			Vista Montana (westerly int	
57	X		1%	100%						
56			0%	100%	ROADWAY CONDITI	ONS:				
55			0%	100%		Lateral Visibility:	limited	Driveway Density:	low	
54			0%	100%		Surface Condition:	good	Ped.& Bicycle Activity:	low	
53			0%	100%						
52			0%	100%						
51		x	1%	100%	AVERAGE DAILY TR	AFFIC:	14,000	SEGMENT LENGTH (ft):	2,309	
50			0%	99%				. ,		
49	XXX		2%	99%						
48			0%	98%						
47		x	1%	98%	ACCIDENTS 3-YR TO		9	ACCIDENT RATE:		
	X	xx	2%	97%	"(1/1/2011 - 12/31/201	13)		Avg. Accident Rate in District 12:	1.81 vehicles mile	S
45	X	xx	2%	96%						
44	X	x x	2%	94%	EXISTING SPEED LI	MIT:	40 MPH	APPROVED SPEED LIMIT:	40 MPH	
43	X	XXXXX	3%	93%						
42	XXXX	XXX	4%	90%						
41	XXXX	XXXXX	5%	86%						
40	XXXX	XXXX	5%	81%	85TH %:	40	MPH	10 MPH PACE:	27 - 36 MPH	
39	XXX	x x	3%	77%						_
38	XXXX	x x x x x x x x	6%	74%	50TH %:	33	MPH	% IN PACE:	54%	_
37	XXXX	XXXX	5%	68%						
	X	XXX	5%	64%	15TH %:	27	MPH	% OVER PACE:	37%	_
	X	XXX	5%	59%						
	XXXX	xxxxxxxxxx	8%	54% *	AVERAGE SPEED:	34	MPH	% UNDER PACE:	10%	_
	XX	X	2%	47%						
	XXXXXX	xxxxxxxxxxx	10%	45%						1
	XXXXX	XXXXX	5%		COMMENTS AND/OF	K RECOMMENDAT	IONS:			
	XXX	XXXXX	4% 3%	30% I						
	X	XX	3% 8%	26% ²		•	•	ed survey, it is recommended to p	post the speed limit	
	X	XXXXX	6%	15%	on this street segme	ent of Calle Del C	erro at 40 M	PH.		
	X	XXXX	5%	10%						
	XXXX	x ^^^	3%	5%						
25 24	Λ Λ Λ Λ Υ	<u> </u>	1%	3%						J
23	^	 	0%	2%						
23		x	1%	2%	OBSERVED BY:	Mike Almir, Transp	ontation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek	
	хх	 	1%	2%	350225 51.	wine Airiii, Halls	ortation otudi	0.00	OGITO IVIIOLOR	-
20	^^	 	0%	1%						
19		 	0%	1%	RECOMMENDATION	APPROVED BY:	Thomas Fra	nk. P.F.		
18		 	0%	1%						
17		 	0%	1%						
16		 	0%	1%	PER C.V.C. 40802, S	IIBAEA EADIBEG.	1/16/2010			
15	Y	 	1%	1%	1 LN 0.V.O. 40002, 3	ONVET EXPINES.	1/10/2019			
	TAL NUMBER OF VEHICL	ES - 200	100%	1 70						
10	TAL NUMBER OF VEHICL	E3 = 200	100%							



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 11:00 AM TIME STOP: 12:00 PM

DAY OF WEEK: Thursday WEATHER: Clear

SPEED		VEHICLES SURVEYED EASTBOUND WESTBOUND														w or	CUML.							
(MPH)					Е	Α	ST	В	οu	JNI	D						W	Æ	ST	В	οu	ND	% OF TOTAL	%
65	h						Г			П		П	r						1				0%	100%
64	П												H										0%	100%
63	П												H										0%	100%
62	П												t										0%	100%
61	П												H										0%	100%
60	П												t										0%	100%
59	П												I										0%	100%
58	П												I										0%	100%
57	х												T										0%	100%
56	П												T										0%	100%
55	П												T										0%	100%
54	П												T										0%	100%
53	П												H										0%	100%
52	П												H										0%	100%
51	П												H										0%	100%
50	П												H										0%	100%
49	П												H										0%	100%
48	П												H										0%	100%
47	П																						0%	100%
46	х												П										0%	100%
45													П										0%	99%
44													П										0%	99%
43	П												х										0%	99%
42	Х	X	X	X									х	X	X								3%	99%
41	Х												х	X	X	X							2%	95%
40	Х	X											Х	Х	X	Х	Х						3%	93%
39	Х	X	X										х	X	X	X	X						4%	89%
38	Х	X	X	X	X	X	X	Х	X				Х	X	X	X	X	X					7%	85%
37	Х	X	X	Х	X	Х	X						Х	Х	X	Х	Х						6%	78%
36								Х					Х	Х	X	Х	Х	Х	X				8%	72%
35						X	X	Х	Х	Х										Х	X		9%	64%
34	Х													X					X	Х			6%	54%
33							Х	Х	Х					Х									7%	48%
32				X										X	Х	Х	Х	Х	Х				6%	41%
31						Х	Х	Х	Х	Х			Х										5%	35%
30		X	Х	X	Х													Х	X	Х	Х		7%	29%
29	Х													X			х						3%	22%
28	Х													X									2%	19%
27			X	Х										X									4%	17%
26	X		,,,	,,	,,,	,,								X			١,						2%	13%
25			X	Х	X	X								X			X	X					6%	10%
24	X	X											ľ	Х	X								2%	4%
23	Х												H										0%	2%
22	Ļ												L										0%	1%
21	X												H										0%	1%
20	X												H										0%	1%
19	Х												L										0%	0%
18	Ц												L										0%	0%
17	Ц												L										0%	0%
16													1										0%	0%
15													L										0%	0%
	ОΤ	ΔΙ	N	JII	м	RF	·R	_	F	VE	HICLI			20	14	_	_	_	_	_			100%	

CALLE DEL CER	RRO		
Avenida Vista Mon	tana (west) to	Avenida La Pata	
etice.			
	48	Sidewalks/Driveways:	ves
· / .			no
	50 MPH		ves
nent Design Speed:	40 MPH		Traffic signal light at the intersection
			with Vista Montana west; stop sign a
			Avenida La Pata.
ONS:	B - 6 - 1		
Surface Condition:	good	Ped.& Bicycle Activity:	low
AFFIC:	5,000	SEGMENT LENGTH (ft):	5,765
OTAL:	18	ACCIDENT RATE: Avg. Accident Rate in District 12:	3.01 accidents per million vehicles miles
MIT:	35 MPH	APPROVED SPEED LIMIT:	35 MPH
38	MPH	10 MPH PACE:	30 - 39 MPH
33	MPH	% IN PACE:	67%
26	MPH	% OVER PACE:	11%
33	MPH	% UNDER PACE:	22%
geometric with ro	lling grades,	limited line of sight and resident the speed limit on Calle Del Ceri	
	Avenida Vista Mon STICS: Width (ft): for Both Directions: lent Design Speed: lent Design	STICS: Width (ft): 48 for Both Directions: 2 lent Design Speed: 50 MPH 40 MPH ONS: Lateral Visibility: Surface Condition: OTAL: 33 MIT: 38 MPH 33 MPH 33 MPH 33 MPH 33 MPH 33 MPH RECOMMENDATIONS: geometric with rolling grades,	STICS: Width (ft): Width (ft)

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/16/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/7/14 TIME START: 9:00 AM TIME STOP: 10:30 AM

DAY OF WEEK: Tuesday WEATHER: Clear **SPEED VEHICLES SURVEYED** % OF **EASTBOUND** WESTBOUND LOCATION: TOTAL CAMINO DEL RIO (MPH) 65 0% 100% Camino de Los Mares to Easterly terminus 0% 100% 64 63 0% 100% **ROAD CHARACTERISTICS:** 100% 62 Width (ft): 64 Sidewalks/Driveways: 0% On-Street Parking: yes-limited 100% 4 61 No. of Lanes for Both Directions: 60 0% 100% Horizontal Alignment Design Speed: 50 MPH Crosswalks: yes 59 0% 100% Vertical Alignment Design Speed: 40 MPH Traffic Controls: stop sign at the intersection with 58 0% 100% Camino De Los Mares 57 100% 0% 100% **ROADWAY CONDITIONS:** 56 55 0% 100% Lateral Visibility: good Driveway Density: low 100% Surface Condition: Ped.& Bicycle Activity: low 54 aood 53 0% 100% 52 0% 100% 51 0% 100% **AVERAGE DAILY TRAFFIC:** 4,000 SEGMENT LENGTH (ft): 4,432 50 1% 100% 99% 49 48 ΧХ 1% **ACCIDENTS 3-YR TOTAL:** accidents per million 47 ΧХ 97% ACCIDENT RATE: 0.82 46 ΧХ XXXXX 3% 96% (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: vehicles miles 45 **X X X X X** X 3% 93% APPROVED SPEED LIMIT: 40 MPH X X X Xххх **EXISTING SPEED LIMIT:** 40 MPH 44 3% 90% **XXXXXX XXXXXX** 7% 86% 43 XXXXXX XXXXX 5% 80% 42 XXXXXX XXXXX 5% 74% 41 69% 85TH %: MPH 40 X X X X X X X X X X X X X X7% 42 10 MPH PACE: 31 - 40 MPH 39 XXXXXX XXXXX 5% 62% 5% 57% 50TH %: MPH 38 XXXXXX XXXXX 36 % IN PACE: 59% XXXXXXXXXX 9% 52% 37 XXXXXXXX X X X X XX X X X4% 43% 15TH %: 30 MPH 31% 36 % OVER PACE: 35 X X X X XX X X X4% 39% 34 XXXXXX XXXXX 5% 34% **AVERAGE SPEED:** 37 MPH % UNDER PACE: 10% XXXXXX 6% 33 XXXXXXX 29% 32 X X X X**XXXXXXXX** 6% 23% **XXXXXXXX** 6% 16% COMMENTS AND/OR RECOMMENDATIONS: 31 XXXXX 30 XXXXXX XXXXX 5% 10% 29 XXXX 2% 5% Based on geometric design of Calle Del Rio and the speed survey, it is recommended to post the 1% 3% 28 ΧХ speed limit on Camino Del Rio at 40 MPH. 27 ΧХ 1% 1% 0% 0% 26 25 0% 0% 24 0% 0% 0% 23 0% **OBSERVED BY:** STUDY PREPARED BY: Jane Mrotek 22 0% 0% Mike Almir, Transportation Studies, Inc. 21 0% 0% 0% 0% 20 RECOMMENDATION APPROVED BY: Thomas Frank, P.E. 0% 0% 19 18 0% 0% 17 0% 0% 16 0% PER C.V.C. 40802, SURVEY EXPIRES: 1/7/2019 0% 0% 0% 15 100% TOTAL NUMBER OF VEHICLES = 207



EASTBOUND

VEHICLES SURVEYED

WESTBOUND

SPEED

65

64

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0%

CUML.

%

100%

DATE OF SURVEY: 1/14/14 TIME START: 2:45 PM TIME STOP: 3:25 PM DAY OF WEEK: Tuesday WEATHER: Clear LOCATION: EL PORTAL, EAST El Camino Real to Avenida De La Estrella ROAD CHARACTERISTICS: Width (ft): 40 Sidewalks/Driveways: No. of Lanes for Both Directions: On-Street Parking: 2 Horizontal Alignment Design Speed: 25 MPH Crosswalks: Vertical Alignment Design Speed: 30 MPH Traffic Controls: Traffic signals at El Camino Real and Ave. De La Estrella **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: high good Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 12,000 SEGMENT LENGTH (ft): 2,900 accidents per million ACCIDENTS 3-YR TOTAL: 3 ACCIDENT RATE: 0.42 vehicles miles Avg. Accident Rate in District 12: (1/1/2011 - 12/31/2013) EXISTING SPEED LIMIT: 25 MPH APPROVED SPEED LIMIT: 25 MPH 85TH %: 29 MPH 10 MPH PACE: 22 - 31 MPH MPH 50TH %: 26 % IN PACE: 93% 15TH %: 23 MPH % OVER PACE: 4% **AVERAGE SPEED:** 27 MPH % UNDER PACE: 3% **COMMENTS AND/OR RECOMMENDATIONS:** Based on the geometric design of the street, direct access to both multi-family and single family residential units and other commercial establishments surrounding the street, it is recommended to post a speed limit on East El Portal at 25 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

63																														0%	100
2																														0%	100
																													П	0%	100
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Х															X														Ш	1%	99
															X	X	X												Ш	1%	98
																													Ш	0%	96
									Х	X	X				_	X													Ц	9%	96
						X										X													Ц	7%	87
										Х			X	Х	-														Ц	13%	79
										Х		Х			_							Х							Ц	13%	67
									Х	X	Х											X				Х	X	Х	Х	13%	54
						X																X		Х	X				Ц	9%	41
										X	Х				_						X	X	Х						Ц	10%	32
								Х								X													Ц	7%	22
						X	Х								-	X													Н	6%	15
Х	Х	()	()	(Х										_	X				Х									Ц	5%	9
															X	X	Х	Х	X										Ц	2%	3
Х																													Ц	0%	1
Х																													Ц	0%	0
																													Н	0%	0
																													Н	0%	0
																														0%	0
																														0%	0

PER C.V.C. 40802, SURVEY EXPIRES: 1/14/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/14/14 TIME START: 3:25 PM TIME STOP: 4:00 PM

WEATHER: **DAY OF WEEK:** Tuesday Clear

SPEED	VEUR	ES SURVEYED	1	DAT OF WEEK, Tuesday WEATHER. Offer
			% OF CUML.	A SOUTH AND A DELLA FORDELLA
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL %	LOCATION: AVENIDA DE LA ESTRELLA
65			0% 100%	Avenida Presidio to East El Portal
64			0% 100%	
63			0% 100%	ROAD CHARACTERISTICS:
62			0% 100%	Width (ft): 40 Sidewalks/Driveways: yes
61			0% 100%	No. of Lanes for Both Directions: 2 On-Street Parking: yes
60			0% 100%	Horizontal Alignment Design Speed: 30 MPH Crosswalks: yes
59			0% 100%	Vertical Alignment Design Speed: 30 MPH Traffic Controls: traffic signal at the intersection
58			0% 100%	with Avenida Palizada
57			0% 100%	
56			0% 100%	ROADWAY CONDITIONS:
55			0% 100%	Lateral Visibility: good Driveway Density: medium
54			0% 100%	Surface Condition: good Ped.& Bicycle Activity: high
53			0% 100%	
52		+++++++++++++++++++++++++++++++++++++++	0% 100% 0% 100%	AVENAGE DALLY TRAFFIG. 7.000 CECMENT LENGTH (4). 0.000
51		+++++++++++++++++++++++++++++++++++++++	0% 100%	AVERAGE DAILY TRAFFIC: 7,000 SEGMENT LENGTH (ft): 6,209
50 49		 	0% 100%	
49 48			0% 100%	
46 47		 	0% 100%	ACCIDENTS 3-YR TOTAL: 14 ACCIDENT RATE: 1.55 accidents per million
46			0% 100%	(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
45			0% 100%	(1/1/2011 12/01/2010) /// (1/1/2011 12/01/2010)
44			0% 100%	EXISTING SPEED LIMIT: 25 MPH APPROVED SPEED LIMIT: 25 MPH
			0% 100%	EAISTING SPEED LIMIT. 25 WIFT APPROVED SPEED LIMIT. 25 WIFT
43		V	0% 100%	
42 41		^	0% 100%	
40			0% 100%	85TH %: 31 MPH 10 MPH PACE: 23 - 32 MPH
39		+++++++++++++++++++++++++++++++++++++++	0% 100%	85TH %: 31 MPH 10 MPH PACE: 23 - 32 MPH
38		+++++++++++++++++++++++++++++++++++++++	0% 100%	50TH %: 27 MPH % IN PACE: 78%
37	x	v	1% 100%	30111 /6. 21 WIFT /6 IN FACE. 10/6
36	X	Îx	1% 99%	15TH %: 22 MPH % OVER PACE : 10%
35	XX	xxx	2% 98%	13111 /d. 22 WITT /6 OVERT AGE. 10/6
34	XXXX	- AAA	2% 95%	AVERAGE SPEED: 27 MPH % UNDER PACE: 12%
33	XX	xxxx	3% 93%	AVERAGE OF EED. 21 WILL MORDER FACE.
32	XXXXX	XXXXXXX	6% 90% *	
31	XXXXXXXXX	XXXX	7% 84% *	COMMENTS AND/OR RECOMMENDATIONS:
30	XXXXXXX	XXXXXXXXXX	8% 77% *	
29	XXXXX	xxxxxxxx	7% 69% P	Avenida De La Estrella is located within the high density residential and commercial areas. Based on
28	XXXXXXXXXXXX	xxxxxxxxxxx	13% 62% A	the establishment density and the high number of pedestrians, it is recommended to post the speed
27	xxxxxx	xxxxxxxx	7% 49% C	
26	xxxxxxxxxx	xxxxxx		limit on Avenida De La Estrella at 25 MPH.
25	xxxxxxxx	xxxxxx	7% 33%	*
24	xxxxxxxx	xxx	6% 25%	*
23	x x x x x x x	xxxxxxx	7% 19%	*
22	xxx	xxxx	3% 12%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
21	ХX	X	1% 8%	
20	x	XXXXX	3% 7%	
19			0% 3%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18	x	хх	1% 3%	
17	X		0% 2%	
16	хх	x	1% 1%	PER C.V.C. 40802, SURVEY EXPIRES: 1/14/2019
15			0% 0%	
	OTAL NUMBER OF VEHICLES	B = 202	100%	
			•	



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/6/14 TIME START: 9:00 AM TIME STOP: 9:50 AM

DAY OF WEEK: Monday WEATHER: Clear

<u> </u>		ES SURVEYED	% OF	CUML.				
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOC	ATION:	CAMINO DE ES	TRELLA
65			0%	100%			Interstate 5 to W	est City Li
64			0%	100%				
63			0%	100%	ROA	D CHARACTER		
62			0%	100%			Width (ft):	84
61			0%	100%			for Both Directions:	4
60			0%	100%		_	nent Design Speed:	35 MPH
59			0%	100%		Vertical Alignn	nent Design Speed:	40 MPH
58			0% 0%	100%				
57		+++++++++++++++++++++++++++++++++++++++	0%	100%	DO4	DWAY CONDITI	ONC.	
56		+++++++++++++++++++++++++++++++++++++++			ROA	DWAY CONDITI		
55			0%	100%			Lateral Visibility:	good
54			0%	100%			Surface Condition:	good
53			0%	100%				
52			0%	100%				
51			0%	100%	AVE	RAGE DAILY TR	AFFIC:	10,000
50			0%	100%				
49			0%	100%				
48			0%	100%		IDENTO A VD T	NTA1	
47			0%	100%		IDENTS 3-YR TO		23
46			0%	100%	(1/1/	2011 - 12/31/201	3)	
45		x	0%	100%				
44		x	0%	100%	EXIS	STING SPEED LI	MIT:	35 MPH
43		x x	1%	99%				
42		X X	1%	98%				
41		X	0%	97%				
40		XXX	1%	97%	85TH	· 1 %:	35	MPH
39		XXXX	2%	95%				
38		XXXX	2%	93%	50TH	· 1 %:	29	MPH
37		XXXXX	3%	91%				
36		X X X X X X X X X	4%	88%	15TH	· 1 %:	24	MPH
	x	x x x x x x x x x x x x x x	7%	83%				
	x x	XXXXX	4%	76%	AVE	RAGE SPEED:	30	MPH
	XXX	X X X X X X X X X X	6%	72%				
	XXXX	XXXXXX	5%	66%				
	x x x x x x	XXXXX	6%	60%		IMENTS AND/O	R RECOMMENDATI	ONS:
	XXX	XXXXXX	5%	54%	'			
29	x x x x x x x x x x	XXXX	7%	49%		nino de Estrella	is located within the	he high de
28	x x x x x x x x x x	XXXX	7%	42%	stree	et geometric de	sign, establishmer	nt density
	x x x x x x x x x x	XXX	6%	34%		-	nida De La Estrella	-
	x x x x x x x x x x x x	XXX	7%	28%	opo		iida Do La Lotiono	i at oo iiii
25	x x x x x x x x x x x x	XX	7%	21%				
	X		5%	14%				
	X	x	4%	9%				
	XXXX		2%	4%	OBS	ERVED BY:	Mike Almir, Transp	ortation St
	XXX		1%	2%				
20			0%	0%				
19			0%	0%	REC	OMMENDATION	APPROVED BY:	Thomas I
18			0%	0%				
17			0%	0%				
16	X		0%	0%	PER	C.V.C. 40802, S	URVEY EXPIRES:	1/6/2019
10 1								
15			0%	0%				

			WEEK: Monday WEATHER:		
	CAMINO DE ES Interstate 5 to W				
	interstate 5 to vv	est City Limit			
ROAD CHARACTERIS	TICS:				
	Width (ft):	84	Sidewalks/Driveways:		
	or Both Directions:	4	On-Street Parking:		
Horizontal Alignme	ent Design Speed: ent Design Speed:	35 MPH 40 MPH	Crosswalks:		at Cam. Mira Co
vertical Alignine	ini Design Speed.	40 MFH	Tranic Controls.	•	Center and at I-5
ROADWAY CONDITIO	NS:				
	Lateral Visibility:	good	Driveway Density:	medium	
;	Surface Condition:	good	Ped.& Bicycle Activity:	medium	
AVERAGE DAILY TRA	FFIC:	10,000	SEGMENT LENGTH (ft):	3,141	
ACCIDENTS 3-YR TO	ΓAL:	23	ACCIDENT RATE:	3.53	accidents per mil
(1/1/2011 - 12/31/2013)	•		Avg. Accident Rate in District 12:	1.81	vehicles miles
EXISTING SPEED LIM	IT:	35 MPH	APPROVED SPEED LIMIT:	35 MPH	
85TH %:	35	MPH	10 MPH PACE:	24 - 33	MPH
50TH %:	29	MPH	% IN PACE:	63%	
45711.07	0.4	MDU	W OVER RACE	000/	
15TH %:	24	MPH	% OVER PACE:	28%	
AVERAGE SPEED:	30	MPH	% UNDER PACE:	9%	

1PH.

Studies, Inc. STUDY PREPARED BY: Jane Mrotek

Frank, P.E.



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/15/14 TIME START: 1:00 PM TIME STOP: 2:00 PM

DAY OF WEEK: Wednesday WEATHER: Clear

	SPEED LIMIT - ENGINE	ERIN	G & TF	₹A
SPEED	VEHICLES SURVEYED	av 05	CUML.	
(MPH)	EASTBOUND WESTBOUND	% OF TOTAL	%	
65		0%	100%	
64		0%	100%	
63		0%	100%	
62		0%	100%	
61		0%	100%	
60		0%	100%	
59		0%	100%	
58		0%	100%	
57		0%	100%	
56		0%	100%	
55		0%	100%	
54		0%	100%	
53		0%	100%	
52		0%	100%	
51		0%	100%	
50		0%	100%	
49		0% 0%	100% 100%	
48 47		0%	100%	
46		0%	100%	
45		0%	100%	
44		0%	100%	
43		0%	100%	
42		0%	100%	
41		0%	100%	
40		0%	100%	
39		0%	100%	
38		0%	100%	
37		0%	100%	
36		0%	100%	
35		0%	100%	
34		0% 1%	100%	
33	X	0%	99%	
32 31	lx x	1%	99%	
30	x xxx	5%	98%	
29	XXX	3%	93%	
28	x x x x x x x	6%	90%	*
27	xxxxxx xxxx	10%	84%	*
26	xxxxx xxx	9%	75%	*
25	x x x x x x x x x x x x x x x x x x x	11%		Р
24	x x x x	8%		Α
23	x x x x x x x x x x x x x x x x x x x	11%		C
22	x x x x x x x x x	7%		E
21	XXXXX	10%	29%	*
20	XXX	8% 7%	20% ¹	*
19	x x x x x x x x x x x x x x x x x x x	7% 5%	5%	
18 17	X X X X	0%	0%	
16				
		0% 0%	0% 0%	
15 T(OTAL NUMBER OF VEHICLES = 102	100%	3 70	
	THE HOMBER OF FERIOLES = 102	.00/0		

LOCATION:	CAMINO FAR		sta Hermosa	
Horizontal Alignn	Width (fit for Both Directions nent Design Speed nent Design Speed	s: 2 d: 30 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	yes
ROADWAY CONDIT	IONS: Lateral Visibilit Surface Conditio	,	Driveway Density: Ped.& Bicycle Activity:	
AVERAGE DAILY TR	AFFIC:	1,500	SEGMENT LENGTH (ft):	1,580
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/201		2	ACCIDENT RATE: Avg. Accident Rate in District 12:	
EXISTING SPEED LI	MIT:	25 MPH	APPROVED SPEED LIMIT:	25 MPH
EXISTING SPEED LI	MIT: 27	25 MPH	APPROVED SPEED LIMIT: 10 MPH PACE:	25 MPH 19 - 28 MPH
85TH %:	27	MPH	10 MPH PACE:	19 - 28 MPH
85TH %: 50TH %:	27	MPH MPH	10 MPH PACE: % IN PACE:	19 - 28 MPH 85%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/O	27 23 19 24 R RECOMMENDA	MPH MPH MPH ATIONS: street, high ac	10 MPH PACE: % IN PACE: % OVER PACE:	19 - 28 MPH 85% 10% 5% with on-street parking
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/O	27 23 19 24 R RECOMMENDA	MPH MPH MPH ATIONS: street, high accommended to	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: ccident rate, narrow street width a post the speed limit on Avenida	19 - 28 MPH 85% 10% 5% with on-street parking a Faro at 25 MPH.

PER C.V.C. 40802, SURVEY EXPIRES: 1/15/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/8/14 TIME START: 3:02 PM TIME STOP: 4:15 PM DAY OF WEEK: Wednesday WEATHER: Hazy LOCATION: Avenida Fresas (Private street) Calle Saluda to Calle Gaulteria **ROAD CHARACTERISTICS:** Width (ft): 52 - 70 Sidewalks/Driveways: No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: n/a Crosswalks: no Vertical Alignment Design Speed: Traffic Controls: Traffic signal at Avenida Talega n/a and Avenida Fresas. **ROADWAY CONDITIONS:** Lateral Visibility: Good Driveway Density: low Surface Condition: Good Ped.& Bicycle Activity: low **AVERAGE DAILY TRAFFIC:** SEGMENT LENGTH (ft): 2,518 1,500 **ACCIDENTS 3-YR TOTAL:** accidents per million ACCIDENT RATE: 1.28 (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles APPROVED SPEED LIMIT: 35 MPH **EXISTING SPEED LIMIT:** 35 MPH 85TH %: 35 MPH 10 MPH PACE: 26 - 35 MPH 50TH %: 30 MPH % IN PACE: 61% 15TH %: 23 MPH % OVER PACE: 19% 20% **AVERAGE SPEED:** 30 MPH % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS: Based on the speed survey and the street's location within the residential zone, it is recommended to post a speed limit on Avenida Fresas at 35 MPH. **OBSERVED BY:** Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

SPEED	VEHICLES SURVEYED		CUML.
(MPH)	EASTBOUND WESTBOUND	% OF TOTAL	%
65		0%	100%
64		0%	100%
63		0%	100%
62		0%	100%
61		0%	100%
60		0%	100%
59		0%	100%
58		0%	100%
57		0%	100%
56		0%	100%
55		0%	100%
54		0%	100%
53		0%	100%
52		0%	100%
51		0%	100%
50		0% 0%	100%
49 48		0%	100%
48 47		0%	100%
46		0%	100%
45		0%	100%
44		0%	100%
43		0%	100%
42		0%	100%
41		0%	100%
40	x x	1%	100%
39	x xxxxx	3%	99%
38	x x x x x x x	4%	96%
37	xxxx xxxx	5%	92%
36	x x x x x x x x x x x x x x x x x x x	5%	87%
35	x x x x x x x x x x x x x x x x x x x	5%	81% *
34	X X X X X X X X X X X X X X X X X X X	6%	76% *
33	x x x x x x x x x x x x x x x x x x x	6%	70% *
32	XXXXXX XXXXXXX	7%	64% P
31	xxxxxx xxxxxxxxx	7%	57% A
30	xxxxx xxxxx	6%	50% C
29	xxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	6%	44% E
28	xxxxx x xxxx	5%	37% *
27	XXXXX XXXXX	5%	32% *
26	xxxxxx xxx	6% 4%	26% * 20%
25	XXXX	4% 5%	16%
24 23	X X X X X X X X X X X X X X X X X X X	2%	11%
23	XXXXX XX	3%	9%
21	xxxx x	2%	5%
20	xxx	1%	3%
19		0%	1%
18	x	0%	1%
17	x	0%	1%
16	x	0%	0%
15		0%	0%
	TAL NUMBER OF VEHICLES = 201	100%	
	· ·		

PER C.V.C. 40802, SURVEY EXPIRES: 1/8/2019

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.



NORTHBOUND

SPEED

(MPH) 65

64

63

62

61 60

59

58

57

56 55

54

53

52

51 50

49

48

47 46

45 44

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VEHICLES SURVEYED

SOUTHBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0% 100%

0%

0% 100% 0%

0% 100% 100%

0% 0% 100%

0% 99% 99%

0%

0%

0%

1%

7%

6%

13%

9%

6%

13%

15%

100% 100%

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100%

100%

100% 100%

100%

99%

99%

99%

98% 98%

98%

98%

98%

97%

93%

89%

88%

82%

76%

63%

54%

49%

43%

30%

16%

DATE OF SURVEY: 1/15/14 TIME START: 12:00 PM TIME STOP: 1:00 PM

			DAY O	F WEEK: Wednesday	w	EATHER:	Clear
		CALLE FRONTE Avenida Pico to		le Cuadra			
	Horizontal Alignme	Width (ft): or Both Directions: ent Design Speed: ent Design Speed:	40 2 50 MPH 50 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	yes	affic signals	
		Lateral Visibility: Surface Condition:	good good	Driveway Density: Ped.& Bicycle Activity:			
	AVERAGE DAILY TRA	AFFIC:	6,000	SEGMENT LENGTH (ft):	6,266		
	ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013 EXISTING SPEED LIN	3)	8 30 MPH	ACCIDENT RATE: Avg. Accident Rate in District 12: APPROVED SPEED LIMIT:	1.03 1.32 veh	cidents per n hicles miles	nillion
ŀ		,					
	85TH %:	37	MPH	10 MPH PACE:	29 - 38 M	1PH	
* *	50TH %:	33	MPH	% IN PACE:	83%		
· P	15TH %:	30	MPH	% OVER PACE:	12%		
A C	AVERAGE SPEED:	34	MPH	% UNDER PACE:	5%		
E * * *		lensity of residen	itial developr ead Middle S	ment adjacent to the street, school, it is recommended to pos			
-	OBSERVED BY:	Mike Almir, Transp	oortation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek		
	RECOMMENDATION	APPROVED BY:	Thomas Fra	nk, P.E.			
	PER C.V.C. 40802, SU	JRVEY EXPIRES:	1/15/2019				

_	AL NUMBER OF VEHICLES = 103	100%	0%
		0% 0%	0% 0%
		0%	0%
		0%	0%
		0%	0%
		0%	0%
		0%	0%
		0%	0%
		0%	0%
		0%	0%
	X	1%	19
	X	1%	29
х	XX	3%	5%
		0%	5%
X	x x	4%	9%

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SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/15/14 TIME START: 3:00 PM TIME STOP: 4:00 PM DAY OF WEEK: Wednesday WEATHER: Clear

SPEED	VEU	ICLES SURVEYED		CUM:				WELK. Wednesday	WEATHER: Clear
		T	% OF	CUML.	LOCATION	OALLE EDON'T	EDA		
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL	%	LOCATION:	CALLE FRONT			
65			0%	100%		Calle Vallarta to	600' S. of Ca	alle Cuadra	
64			0%	100%					
63			0%	100%	ROAD CHARACTERI	STICS:			
62			0%	100%		Width (ft)	: 40	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes	for Both Directions	: 2	On-Street Parking:	yes
60			0%	100%	Horizontal Alignm	ent Design Speed	25 MPH	Crosswalks:	no
59			0%	100%	Vertical Alignm	ent Design Speed	: 25 MPH	Traffic Controls:	stop sign at intersection with Calle
58			0%	100%					Vallarta and Guadalajara
57			0%	100%					
56			0%	100%	ROADWAY CONDITION	ONS:			
55			0%	100%		Lateral Visibility	good	Driveway Density:	medium
54			0%	100%		Surface Condition	n: good	Ped.& Bicycle Activity:	medium
53			0%	100%					
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	7,000	SEGMENT LENGTH (ft):	2,724
50			0%	100%				`,	
49			0%	100%					
48			0%	100%					
47			0%	100%	ACCIDENTS 3-YR TO	TAL:	2	ACCIDENT RATE:	
46			0%	100%	(1/1/2011 - 12/31/201	3)		Avg. Accident Rate in District 12:	1.32 vehicles miles
45			0%	100%					
44			0%	100%	EXISTING SPEED LII	MIT:	25 MPH	APPROVED SPEED LIMIT:	25 MPH
43			0%	100%					
42			0%	100%					
41			0%	100%					
40			0%	100%	85TH %:	30	MPH	10 MPH PACE:	24 - 33 MPH
39			0%	100%	30 111 701				2. 00
38			0%	100%	50TH %:	27	MPH	% IN PACE:	88%
37			0%	100%					
36			0%	100%	15TH %:	24	MPH	% OVER PACE:	3%
35		x	1%	100%					
34		x x	2%	99%	AVERAGE SPEED:	28	MPH	% UNDER PACE:	9%
33		xxxxx	6%	97% *					
32		xxxx	4%	91% *					
31	xxxx	xxx	7%	87% *	COMMENTS AND/OF	RECOMMENDAT	TIONS:		
30	XXXXX	xxxxx	11%	80% F			-		
29	XXXXX	xxxxx	10%	69% F		etric of the stree	t. location with	nin the residential zone, many dr	iveways directly
28	XXXXX	xxxxx	10%	59% C	`			speed limit on this segment of C	
27	xxxxxx	xxxx	11%	49% E		i is recommende	a to post the	speed mint on this segment of C	and i fortiera at 25
26	XXXXX	xxxxx	11%	38% *	MPH.				
25	XXXXXX	xxxx	11%	27% *					
24	XXXXX	хх	7%	16% *					
23	XXX	хх	5%	9%					
22	хх	x	3%	4%	OBSERVED BY:	Mike Almir, Trans	portation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek
21	x		1%	1%				<u> </u>	
20			0%	0%					
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Fra	ank, P.E.	
18		 	0%	0%				,	
17			0%	0%					
16		 	0%	0%	PER C.V.C. 40802, S	IIRVEY EXPIRES.	1/15/2010		
15		 	0%	0%	1 ER 3.7.3. 40002, 3	C.TET EXTINES.	1/10/2019		
	OTAL NUMBER OF VEHIC	1 ES - 100	100%	0,0					
⊢	OTAL NUMBER OF VEHIC	PECS = 100	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/13/14 TIME START: 1:45 PM TIME STOP: 2:15 PM

DAY OF WEEK: Monday WEATHER: Clear

SPEED	VEHICLES SURVEYED	D % OF		
(MPH)	EASTBOUND WESTBOUND	% OF TOTAL	%	
65		0%	100%	
64		0%	100%	
63		0%	100%	
62		0%	100%	
61		0%	100%	
60		0%	100%	
59		0%	100%	
58		0%	100%	
57		0%	100%	
56		0%	100%	
55	x	1%	100%	
54		0%	99%	
53		0%	99%	
52		0%	99%	
51		0%	99%	
50		0%	99%	
49		0%	99%	
48		0%	99%	
47	X	1%	99%	
46	X	1%	98%	
45	X	1%	97%	
44	x x	2%	96%	
43	x	1%	94%	
42	x x	3%	93%	
41	x x x x x	5%	90% *	
40	xxxx xxx	8%	85% *	
39	x x x x x x x	7%	77% *	
38	xxxxx xxxx	10%	70% l	
37	xxxxx xxxx	11%	60%	
36	x x x x x x	8%	50%	
35	x x x x x x	5%	42%	
34	X X X X X X X X X X X X X X X X X X X	8%	37% *	
33	X X X X	7%	29% *	
32	XXXX	4%	22% *	
31	X	1%	18%	
30	X X	3%	17%	
29	X X X	5%	14%	
28	XX	2%	9%	
27	XX	2%	7%	
26	X	1%	5%	
25		0%	4%	
24	X	1%	4%	
23	X	1%	3%	
22	X	1%	2%	
21		0%	1%	
20		0%	1%	
19		0%	1%	
18		0%	1%	
17	x	1%	1%	
16		0%	0%	
15		0%	0%	
T	OTAL NUMBER OF VEHICLES = 101	100%		

ROAD CHARACTERISTIC		15	0: tour lle /D:	Cidawalka waa Driyaway No
No. of Lanes for E	Width (ft) Roth Directions		Sidewalks/Driveways: On-Street Parking:	Sidewalks -yes; Driveway - No
No. of Lanes for E Horizontal Alignment		_	On-Street Parking: Crosswalks:	
Vertical Alignment				Traffic signal at Cm. Viente an Ave. Talega (West)
ROADWAY CONDITIONS		1. September	Driver our Density	
	_ateral Visibility Irface Condition		Driveway Density: Ped.& Bicycle Activity:	
AVERAGE DAILY TRAFF	₹C:	1,700	SEGMENT LENGTH (ft):	
ACCIDENTS 3-YR TOTAL	L:	0	ACCIDENT RATE:	
(1/1/2011 - 12/31/2013)			Avg. Accident Rate in District 12:	1.32 vehicles miles
EXISTING SPEED LIMIT:	:	35 MPH	APPROVED SPEED LIMIT:	35 MPH
85TH %:	40	MPH	10 MPH PACE:	32 - 41 MPH
50TH %:	36	MPH	% IN PACE:	72%
15TH %:	29	MPH	% OVER PACE:	10%
AVERAGE SPEED:	36	MPH	% UNDER PACE:	18%
	ocation within	residential tra	racts and limited line of sight from egment of Camino Viente Fuerte	
· ·				

PER C.V.C. 40802, SURVEY EXPIRES: 1/13/2019



EASTBOUND

SPEED

65

64 63

62

61

60

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57 56

55

54

53

52

51

50

49 48

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46 45

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X X X X

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TOTAL NUMBER OF VEHICLES =

X X X X X

VEHICLES SURVEYED

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X X X X

X X X X

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X X X X

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WESTBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0%

0%

0%

0%

0%

0%

0%

0%

0%

0%

0%

0%

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0%

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0%

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0%

2%

3%

7%

8%

9%

9%

8%

9%

8%

8%

6%

4%

2%

0%

1%

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0%

100%

DAY OF WEEK: Monday WEATHER: Clear CUML. LOCATION: Camino Viente Fuerte (Private street) 100% Via Agradar to Avenida Talega (East) 100% 100% ROAD CHARACTERISTICS: 100% Sidewalks/Driveways: Sidewalks -yes; Driveway - No Width (ft): 45 100% On-Street Parking: No. of Lanes for Both Directions: 2 100% Horizontal Alignment Design Speed: n/a Crosswalks: Traffic Controls: Traffic signal at Cm. Viente and 100% Vertical Alignment Design Speed: 100% Ave. Talega (East) 100% 100% **ROADWAY CONDITIONS:** 100% Driveway Density: Lateral Visibility: Limited None 100% Surface Condition: Good Ped.& Bicycle Activity: low 100% 100% 100% **AVERAGE DAILY TRAFFIC:** 1,700 SEGMENT LENGTH (ft): 3,200 100% 100% 100% accidents per million 100% ACCIDENTS 3-YR TOTAL: 0 ACCIDENT RATE: 0.00 vehicles miles 100% (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 100% **EXISTING SPEED LIMIT:** 35 MPH APPROVED SPEED LIMIT: 35 MPH 100% 100% 100% 100% 100% 85TH %: 36 MPH 10 MPH PACE: 29 - 38 MPH 98% 95% MPH 50TH %: 32 % IN PACE: 80% 88% 80% 15TH %: 28 MPH % OVER PACE: 5% 71% **P** 62% A **AVERAGE SPEED:** 33 MPH % UNDER PACE: 15% 54% C 47% **E** 38% COMMENTS AND/OR RECOMMENDATIONS: 30% 23% Based on the speed survey and location of this street segment within a residential neighborhood, it is 15% recommended to post a speed limit on this segment of Camino Viento Fuerte at 35 MPH. 9% 5% 3% 3% 2% 2% **OBSERVED BY:** Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek 2% 0% 0% RECOMMENDATION APPROVED BY: Thomas Frank, P.E. 0% 0% 0% PER C.V.C. 40802, SURVEY EXPIRES: 1/13/2019

DATE OF SURVEY: 1/13/14 TIME START: 3:07 PM TIME STOP: 4:00 PM



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

/EY

DATE OF SURVEY: 1/21/14 TIME START: 11:00 AM TIME STOP: 12:30 PM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICLE	LES SURVEYED		CUML.						
(MPH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	LOCATION:	Camino Tierra	a Grande (Priva	ate Street)		
65			0%	100%			a to Via Timor	· · · · · · · · · · · · · · · · · · ·		
64			0%	100%		7 WOINGG TGIOS	ga to via riiiloi			
63			0%	100%	ROAD CHARACTERIS	STICS:				
62			0%	100%	NOAD GHARAGIERI	Width (1	ft): 44 - 52	Sidewalks/Driveways:	Sidewalks - Yes; Driveway - No	
61			0%	100%	No. of Lanes f	for Both Direction		On-Street Parking:		
60			0%	100%	Horizontal Alignm			Crosswalks:		
59			0%	100%	_	nent Design Spee			Stop sign intersection @ Via	
58			0%	100%	· · · · · · · · · · · · · · · · · · ·	g p	1.7.5.		Garona & Tierra Grande	
57			0%	100%						
56			0%	100%	ROADWAY CONDITION	ONS:				
55			0%	100%		Lateral Visibili	ty: Good	Driveway Density:	None	
54			0%	100%		Surface Condition	on: Good	Ped.& Bicycle Activity:	low	
53			0%	100%						
52			0%	100%						
51			0%	100%	AVERAGE DAILY TR	AFFIC:	2,700	SEGMENT LENGTH (ft):	1,650	
50			0%	100%						
49			0%	100%						
48			0%	100%	ACCIDENTS 3-YR TO	TAL.			o oo aasidanta nammiliaa	
47		X	1% 0%	100%			0	ACCIDENT RATE:		
46	v ·		1%	100%	(1/1/2011 - 12/31/2013	3)		Avg. Accident Rate in District 12:	1.32 vehicles miles	
45	^						OF MEN	4000 6VED 60550 1 1445	OF MEN	
44			0%	99%	EXISTING SPEED LIN	WIII:	35 MPH	APPROVED SPEED LIMIT:	35 MPH	
43		X	1%	99%						
42	v ·	X	1% 1%	99% 98%						
41 40	XX	xxxxx	4%	98%	85TH %:	36	MPH	10 MPH PACE:	28 - 37 MPH	
40 39	XX	XXXX	3%	94%	851H %:	30	WPH	10 MPH PACE:	28 - 37 WPH	
38	XXXX	XXXXX	5%	91%	50TH %:	31	MPH	% IN PACE:	76%	
37	XXXX	XXXXXX	5%	87% *	30111 70.		1011 11	WINT AGE.	7070	
36	XXXX	XXXXXX	5%	82% *	15TH %:	27	MPH	% OVER PACE:	14%	
35	xxxxxxxxxx	xxxxxxx	9%	77% *	100000			, , , , , , , , , , , , , , , , , , , ,	,	
34	XXXXXXX	xxxxx	7%	68% P	AVERAGE SPEED:	33	MPH	% UNDER PACE:	11%	
33	XXXXXX	x x x x x x x x x x	9%	61% A						
32	x x x x x x x x	x x x x x x x x x	9%	52% C						
31	x x x x x x x x x	x x x x x x x x x x x	10%	44% E	COMMENTS AND/OR	RECOMMEND	ATIONS:			
30	x x x x x x x x x x	xxxxxx	9%	34% *						
29	X X X X X X X X	XXXXXXX	8%	25% *				ion within residential tracts, it is red	commended to post a	
28	XXXXXXX	XXXX	6%	17% *	speed limit on this s	segment of Can	nino Tierra Gra	ande at 35 MPH.		
27	XXXXXX	XXXX	5%	11%						
26	XXX	xxxx	4%	6%						
25	X		1% 1%	3% 2%						
24	×		1%	2%						
23 22	*		0%	1%	OBSERVED BY:	Mike Almir Tree	nsportation Studi	ies, Inc. STUDY PREPARED BY:	lone Mretek	
21	V		1%	1%	OBOLKVED B1:	WIKE AITHI, TTAI	isportation Studi	orobi i Kei Akeb bi.	Jane Milotek	
20	^	<u> </u>	0%	0%						
19			0%	0%	RECOMMENDATION	APPROVED BY	: Thomas Fra	ank P.F		
18			0%	0%			THOMASTI	ALIIN, 1 .L.		
17			0%	0%						
16			0%	0%	PER C.V.C. 40802, SI	IIRVEY EYDIDE	s- 1/21/2010			
15			0%	0%	1 21. 0.7.0. 40002, 00	C.TET EXTINE	1/21/2019			
_	OTAL NUMBER OF VEHICLES	= 200	100%							
				_						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/21/2014 TIME START: 9:00 AM TIME STOP: 11:00 AM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICLES	SURVEYED	% OF	CUML.					
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION:	Camino Tierrra C	Frande (Priva	ate street)	
65			0%	100%		Via Timon to Car	mino Viento	Fuerte	
64			0%	100%		via rimorrio car	Timio Violito	1 40110	
63			0%	100%	ROAD CHARACTERIS	etice.			
62			0%	100%	ROAD CHARACTERS	Width (ft):	44	Sidewalks/Driveways:	ves
61			0%	100%	No. of Lanes f	for Both Directions:	2	On-Street Parking:	no
60			0%	100%		nent Design Speed:	n/a	Crosswalks:	no
59			0%	100%		nent Design Speed:	n/a	· ·	2-Way stops on all side streets.
58			0%	100%	Vertical Alignin	ient besign opeed.	Π/α	Traine Controls.	2-way stops on an side streets.
57			0%	100%					
56			0%	100%	ROADWAY CONDITION	ONS:		•	
55			0%	100%	ROADWAT CONDITIO	Lateral Visibility:	Good	Driveway Density:	None
54			0%	100%		Surface Condition:	Good	Ped.& Bicycle Activity:	low
53			0%	100%		ourrace condition.	0000	r ed. & Dicycle Activity.	IOW
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	2,700	SEGMENT LENGTH (ft):	3 200
50			0%	100%	AVERAGE DAIET TR	AI 1 10.	2,700	OLOMENT LENGTH (it).	0,200
49	 	 	0%	100%	1				
48	 	 	0%	100%					
47			0%	100%	ACCIDENTS 3-YR TO	TAL:	0	ACCIDENT RATE:	0.00 accidents per million
46			0%	100%	(1/1/2011 - 12/31/2013	3)		Avg. Accident Rate in District 12:	
45			0%	100%	,	,		J	
44			0%	100%	EXISTING SPEED LIN	міт.	35 MPH	APPROVED SPEED LIMIT:	35 MPH
43			0%	100%			00 1111 11	74 1 10 125 01 225 210111	
42			0%	100%					
41			0%	100%					
40			0%	100%	85TH %:	36	MPH	10 MPH PACE:	29 - 38 MPH
39		xxx	3%	100%	03111 70.	30	1411 11	TO MILITIAGE.	23 - 30 WITT
38	xxxx	XXX	6%	97% *	50TH %:	32	MPH	% IN PACE:	81%
37	XXXX	XXXX	6%	91% *	30111 76.	- OL	1411 111	70 IIV 1 AGE:	0170
36	xxxx	XXXXXXX	10%	85% *	15TH %:	28	MPH	% OVER PACE:	3%
35	XXXXXX	XXXXX	10%	75% P	10111 /01			,,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	
34	XXXXXX	XXXXX	10%	66% A	AVERAGE SPEED:	32	MPH	% UNDER PACE:	16%
33	XXXXXX	xxxxxx	11%	56% C				70 CH2 = 11 TH3 = 1	
32	xxxx	xxxxxx	9%	45% E					
31	xxxx	xxxx	6%	37% *	COMMENTS AND/OR	RECOMMENDATI	ONS:		
30	XXXXX	xxx	7%	30% *					
29	xxxxx	xxx	7%	23% *	Based on the speed	d survey and the s	treet's locati	on within residential tracts, it is rec	commended to post a
28	xxxx	xxx	6%	16%	speed limit on this s				
27	x	xx	2%	10%	Specu mini on this s	ognicit of Carilli	o riciia Gia	ndo at oo wii i i.	
26	xx	хх	3%	8%					
25		xx	2%	5%					
24			0%	3%					
23			0%	3%					
22	x	x	2%	3%	OBSERVED BY:	Mike Almir, Transp	ortation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek
21			0%	2%					
20	X		1%	2%					
19		X	1%	1%	RECOMMENDATION	APPROVED BY:		Thomas Frank, P.E.	
18			0%	0%	1				
17			0%	0%	1				
16			0%	0%	PER C.V.C. 40802, SI	URVEY EXPIRES:	1/21/2019		
15	 	 	0%	0%					
	OTAL NUMBER OF VEHICLES =	126	100%		1				
- '		-			L				



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DAY OF WEEK: Tuesday WEATHER: Clear

	WIFORM!	OI EED EIWIT EIVOIN			DAY OF WEEK: Tuesday WEATHER: Clear
SPEED		LES SURVEYED	% OF	CUML.	
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION: CALLE GUADALAJARA
65			0%	100%	Calle Nuevo to Ave. Vaquero
64			0%	100%	
63			0%	100%	ROAD CHARACTERISTICS:
62			0%	100%	Width (ft): 40-50 Sidewalks/Driveways: yes
61			0%	100%	No. of Lanes for Both Directions: 2 On-Street Parking: yes
60			0%	100%	Horizontal Alignment Design Speed: 28 MPH Crosswalks: no
59			0%	100%	Vertical Alignment Design Speed: 25 MPH Traffic Controls: stop sign at intersection with Ave.
58			0%	100%	Vaquero and Nuevo
57			0%	100%	
56			0%	100%	ROADWAY CONDITIONS:
55			0%	100%	Lateral Visibility: good Driveway Density: high
54			0%	100%	Surface Condition: good Ped.& Bicycle Activity: low
53			0%	100%	
52			0%	100%	
51			0%	100%	AVERAGE DAILY TRAFFIC: 1,500 SEGMENT LENGTH (ft): 7,051
50			0%	100%	
49			0% 0%	100% 100%	
48 47			0%	100%	ACCIDENTS 3-YR TOTAL: 2 ACCIDENT RATE: 0.91 accidents per million
46			0%	100%	(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
45			0%	100%	(1/1/2011 - 12/01/2013) Avg. Addition Nate in District 12. 1.32
44			0%	100%	EXISTING SPEED LIMIT: 25 MPH APPROVED SPEED LIMIT: 25 MPH
			0%	100%	EXISTING SPEED LIMIT. 25 WPT
43 42			0%	100%	
42			0%	100%	
40	v		1%	100%	85TH %: 30 MPH 10 MPH PACE: 20 - 29 MPH
39	^		0%	99%	10 MI 11 ACL. 20 - 29 WITT
38			0%	99%	50TH %: 25 MPH % IN PACE : 76%
37			0%	99%	<u> </u>
36	X		1%	99%	15TH %: 20 MPH % OVER PACE : 22%
35			0%	98%	
34	X	x	2%	98%	AVERAGE SPEED: 26 MPH % UNDER PACE: 2%
33	X		1%	96%	
32	XXX	xxx	6%	95%	
	ХX	x x	4%	89%	COMMENTS AND/OR RECOMMENDATIONS:
	XXX	XXXX	7%	85%	. 1
	XXX	xxxx	7%	78% *	Calle Guadalajara is a local residential collector street. Based on geometric design of the street, high
	XX	XXXX	6%	72% *	density of residential driveway directly fronting the street and high volume of on-street parking on
	XXX	XXX	6%	66% *	both sides, it is recommended to post the speed limit on this segment of Calle Guadalajara at 25
	XXXXX	XXXX	9% 9%	0070	MDH
	XXXX	XXXXX		51% A 42% C	A
	XXXX	XXXX	8% 8%	42% C 34% E	
	X X X X X X X X	XXXX	8%	26% *	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
	XXXX	XXXXX	9%	19% *	Minde Allilli, Transportation Studies, Inc. Stop 1 ACE D. Jame Milotek
	XXXX	XXXX	8%	10%	*
19	X	l x ^ ^ ^	2%	2%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18	^		0%	0%	THOMAS HAIR, L.E.
17		 	0%	0%	
16		 	0%	0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/14/2019
		 	0%	0%	1 EN G. F.G. 40002, GONVET EAT INCO. 1/17/2010
15 TC	OTAL NUMBER OF VEHICL	ES = 102	100%	370	
10	VIAL MOMBER OF VEHICL	0 = 102	100 /0		



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

FIC SURVEY

DATE OF SURVEY: 2/21/14 TIME START: 10:10 AM WEATHER: Hazy

LOCATION: Avenida Vista Hermosa
I-5 Southbound Off-Ramp to Via Turqueza

							'	AL	IF0	RHI				_	וכ	_	_	_	_	-''	VI	' '			٠١٠		,,,	۷L	LIV	1111	3 Q	'''	`'
SPEED										١	۷E	Н	CLI	ES	SI	JR	۷I	ΞΥ	ΕI)									0/	OF	CUML		
(MPH)					Е	Α	ST	В	οι	JN	D								W	ľΕ	ST	ГВ	OI	JN	D				TO1		%		
65			Г	Г	Г	Г	Г	Г	Г	Г	Г			Т		Г							Г							0%	100	%	
64		H	r	H	H	H	H	H	H	H	H	Н		t	H	H		П			Н	H	r	Н	Н			+		0%	100	_	
63		Г	Т	r	Г	r	r	Г	Г	Г	Г	П		Ť	Г	Г	П	П	П	П	П	Т	Т	П	П	П		Ť		0%	100	%	
62		Г	T	T	Т	T	T	Т	Т	Т	Т	П		Ť		Т	ī	П	ī	ī	П	Г	T	П	П			Ť		0%	100	%	
61		Г	Г	Т	Г	Т	Т	Г	Г	Г	Г	П		T	Г	Г	П	П	П	П	П	Г	Г	П	П			т		0%	100	%	
60		Г	T	T	Г	T	T	Г	Г	Г	Г		Т	T	T	Г		П		П	П	Г	T					т		0%	100	%	
59				Г		Г								T																0%	100°	%	
58				Г		Г							П	Т	П															0%	100	%	
57				Г		Г								Т	Г													Т		0%	100	%	
56				Г		Г								Т	Х															0%	100	%	
55				L		L								L																0%	100	%	
54															Х	Х														1%	100	%	
53				Г		Г							П	Т	Х															0%	999	%	
52	Х			Г		Г								Τ														Т		0%	989	%	
51				Г		Г								Τ														Т		0%	989	%	
50				Г		Г								Т	Х	Х														1%	989	%	
49	Х	X	X											Ι	Х	X	X													3%	979	, .	
48		X		L	L	L	L	L	L	L	L	П		L		Х						L	L					1		4%	94	_	
47		Х		L	L	L	L	L	L	L	L	Ц	Ц	Ļ		X						L	L		Ц			4		3%	909	_	
46		-	Х	X	L	L	L	L	L	L	L	Ц		╀								Х	Х	X	Х			4		7%	879	_	
45	Х		L	L	L	L	L	L	L	L	L	Ц		╀		Х						L	L	Ц	Ц			4		3%	809		
44				X			L	L	L	L	L	Н	4	+		Х												+		5%	779	_	
43				X						L	L	Н	4	╀											X	Х	Х	+		8%	729		
42									Х	L	L	Н		┿		X								Н	Н			+		8%	64	_	P
41 40				X					v	v	H	Н	+	╄		X			X	X	X	X	H	Н	Н	Н		+	_	7% 6%	56°		A
39				X			X	X	Х	X	H	Н	+	╄		X			v	v	v	H	H	Н	Н	Н		+	_	6% 5%	44		C
39		H	⊢	-	-	-	v	v	Х	v	v	v	+	┿		X				^	^	H	H	Н	Н	Н	Н	+		5% 7%	389		E
36 37									X		^	^	+	٠		X				v	Н	H	H	Н	Н	Н		+		7%	319	_	*
36									X		¥	¥	+	٠		X			^	^	Н	H	H	Н	Н	Н	Н	+		7%	249	_	*
35									X					٠	x		^	^	Н	Н	Н	H	H	Н	Н			+		5%	179	_	*
34				X				Â	Â	î	Ĥ	Н		٠	r	H	Н	Н	Н	Н	Н	H	H	Н	Н		Н	+	_	3%	129	_	
33				X			H	H	H	H	H	Н		t	x	H	Н	Н	Н	Н	H	H	H	H	Н	Н		+		3%	109		
32		Х		H	Ë	H	H	H	H	H	H	Н	+	t		Х	х	Н	H	H	Н	H	H	Н	Н			+		2%	79		
31		Х		H	H	H	H	H	H	H	H	Н		t		Х		П	Н	Н	П	H	H	П	Н			+		2%	5	_	
30	х		r	H	H	H	H	H	H	H	H	Н		t	х			П			Н	H	r	Н	Н			+		1%	30	_	
29	Г	r	r	t	H	t	t	H	H	H	H	П	т	Ť	t	H	П	П	П	П	П	r	r	П		ī		T		0%	2	%	
28	х	Г	Г	Т	Г	Т	Т	Г	Г	Г	Г	П		T	Г	Г	П	П	П	П	П	Г	Г	П	П			т		0%	2	%	
27	Х	Х	Г	Г	Г	Г	Г	Г	Г	Г	Г			T		Г		П		П	П	Г	Г			Π		Т		1%	19	%	
26				Г		Г								T																0%	00	%	
25	Х			Г		Г								Т	Г													Т		0%	0,	%	
24				Г		Г								Τ														Т		0%	00	%	
23				Г		Г								Т																0%	00	%	
22														Ι																0%	00	_	
21		Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ	Ĺ			L		Ĺ		Ц		Ц	Ц	Ĺ	Ĺ				Ц			0%	0,	_	
20	L	Ĺ	L	L	L	L	L	L	L	L	L	Ц		L	L	L	Ц	Ц	Ц	Ц	Ц	Ĺ	L	Ц	Ц	Ш	Ц	Ţ		0%	0,	%	
19	L			l		l									L														L	0%	0	%	
18														Ι																0%	0	%	
17				Γ		Γ								Ι														Т		0%	0,	%	
16				٢		٢							Т	Γ														Т		0%	0,	%	
15	Г		Г	Г	Г	Г	Г	Г	Г	Г	Г	П	Ť	T	Π	Г	П	П	П	П	П		Г	П	П	П	٦	T		0%	0,	%	
T	οт	Al	L	NU	M	BE	ΕR	0	F	VE	ĒΗ	IC	LES	S =		22	29												10	0%			

		100 100 100 100 100 100 100 100 100 100		
ROAD CHARACTERISTICS:				
Width (ft):	74 - 88	Sidewalks/Driveways:	yes	
No. of Lanes for Both Directions:	4 - 6	On-Street Parking:	no	_
Horizontal Alignment Design Speed:	45 MPH	Crosswalks:	yes	_
Vertical Alignment Design Speed:	50 MPH	Traffic Controls:	Traffic sign	als on at the intersections
				& NB ramps, Calle Frontera
			and Camino	o Faro.
ROADWAY CONDITIONS:				
Lateral Visibility:	limited	Driveway Density:	low	
Surface Condition:	good	Ped.& Bicycle Activity:	medium	
				_
AVERAGE DAILY TRAFFIC:	27.250	SEGMENT LENGTH (ft):	4,688	
AVERAGE DAIET TRAITIO.	21,200	OLOMENT LENGTH (II).	4,000	-
ACCIDENTS 3-YR TOTAL:	31	ACCIDENT RATE:	1.17	accidents per million
(1/1/2011 - 12/31/2013)	-	Avg. Accident Rate in District 12:		vehicles miles

APPROVED SPEED LIMIT: 40 MPH

85TH %:	45	MPH	10 MPH PACE:	35 - 44 MPH
50TH %:	40	MPH	% IN PACE:	65%
15TH %:	34	MPH	% OVER PACE:	23%
AVERAGE SPEED:	40	MDH	% UNDER PACE:	12%

45 MPH

COMMENTS AND/OR RECOMMENDATIONS:

EXISTING SPEED LIMIT:

Based on geometric design of the street and its location in the proximity of the Marblehead Elementary School and Shorecliffs Middle School, it is recommended to post the speed limit on this segment of Avenida Vista Hermosa at 40 MPH.

OBSERVED BY: Edell Braucksiek, Transportation Studies, I STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 2/21/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/7/14 TIME START: 1:52 PM TIME STOP: 2:20 PM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICLES SURVEYED	% OF	CUML.
(MPH)	EASTBOUND WES	STBOUND TOTAL	%
65		0%	100%
64		0%	100%
63		0%	
62		0%	100%
61		0%	
60		0%	
59		0%	
58		0%	100%
57		0%	
56	X	0%	
55	x	0%	100%
54		0%	99%
53	ХX	1%	99%
52	x	0%	98%
51	ХX	1%	98%
50	x x	1%	97%
49	xxxxxx	3%	
48	XXXXX	3%	
47	xxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	6%	89%
46	xxxxxxx xxx xxx	5%	
45	xxxxxxx xxx xxxx	X 8%	77%
44	xx xxxxx	X 4%	69%
43	xxxxxx xxxx	6%	
42	XXXXXX XXXXX	6%	
41	XXXXXXX XXXXX	7%	
40	XXXXXX XXXXX		
39	XXXXXXXXXXXXX XXXX	8%	
38	XXXX XXXXX	5%	
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36	xxxx xxxxx		
35	xxx xxx	3%	
34	xxx xxxx	4%	
33	XXX	1%	
32	XX	1%	
31	XX	1%	
30	x x x	1%	
29	x	0%	
28	x	0%	
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26		0%	
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		0%	
15		0%	0%

		ם או	WEEK. Tuesday WEATHER.	Olcui	
LOCATION:	AVENIDA VISTA H Via Turqueza to Ca		uz		
	Width (ft): Wordship or Both Directions: ent Design Speed:	74 4 45 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks:	yes no yes	
Vertical Alignm	ent Design Speed:	50 MPH			nals at Via Turqueza and uz
ROADWAY CONDITION	Lateral Visibility: Surface Condition:	limited	Driveway Density: Ped.& Bicycle Activity:	low	
AVERAGE DAILY TR	AFFIC:	25,000	SEGMENT LENGTH (ft):	1,850	
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013		6	ACCIDENT RATE: Avg. Accident Rate in District 12:	0.63	accidents per million vehicles miles
EXISTING SPEED LIF	MIT:	45 MPH	APPROVED SPEED LIMIT:	40 MPH	
85TH %:	46	MPH	10 MPH PACE:	38 - 47	MPH
50TH %:	40	MPH	% IN PACE:	64%	
15TH %:	35	MPH	% OVER PACE:	11%	
AVERAGE SPEED:	41	MPH	% UNDER PACE:	24%	
COMMENTS AND/OR	RECOMMENDATI	ONS:			
	ementary School, i		on within the proximity of Vista Fended to post the speed limit on		

Avenida Vista Hermosa at 40 MPH.

OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/7/2019



SPFFD

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WESTBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

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DATE OF SURVEY: 1/7/14 TIME START: 1:05 PM TIME STOP: 1:48 PM DAY OF WEEK: Tuesday WEATHER: Clear LOCATION: AVENIDA VISTA HERMOSA Camino Vera Cruz to Avenida La Pata ROAD CHARACTERISTICS: (sidewalk only) Width (ft): 74 Sidewalks/Driveways: yes No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 45 MPH Crosswalks: yes Vertical Alignment Design Speed: 50 MPH Traffic Controls: Traffic signals at Vera Cruz, Sport Park/Target and at La Pata **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: none good Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 19,000 SEGMENT LENGTH (ft): 5,000 accidents per million ACCIDENTS 3-YR TOTAL: ACCIDENT RATE: 9 0.46 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 59% A 45 MPH APPROVED SPEED LIMIT: 45 MPH **EXISTING SPEED LIMIT:** 85TH %: 49 MPH 10 MPH PACE: 40 - 49 MPH MPH 50TH %: 43 % IN PACE: 67% 15TH %: 38 MPH % OVER PACE: 14% AVERAGE SPEED: MPH % UNDER PACE: 19% 44 COMMENTS AND/OR RECOMMENDATIONS: Based on geometric design of the street, its location in the proximity of the Sports Park and Target shopping center, it is recommended to post the speed limit on this segment of Avenida Vista Hermosa at 45 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

Page 24 of 74

PER C.V.C. 40802, SURVEY EXPIRES: 1/7/2019

TOTAL NUMBER OF VEHICLES = 201



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/7/14 TIME START: 12:10 PM TIME STOP: 1:00 PM WEATHER: Clear

SPEED	VEHIC	LES SURVEYED		CUML.							
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	AVENIDA VIST	A HERMOS	Α			
65			0%	100%		Avenida La Pat					
64			0%	100%		/Worlida La Fat	a to / Worlida	1 100			
63			0%	100%	ROAD CHARACTER	ISTICS:					
62		 	0%	100%	NOAD OHARAGIEN	Width (ft):	104	Sidewalk	s/Driveways:	yes	
61		 	0%	100%	No. of Lanes	for Both Directions			reet Parking:	no	
60			0%	100%		ment Design Speed			Crosswalks:	yes	
59		 	0%	100%		ment Design Speed				Traffic signals at Av	ve La Pata, Ave
58			0%	100%		3 1, 11				Talega, Camino La	
57			0%	100%						Pico; Stop sign at v	via Marfino.
56			0%	100%	ROADWAY CONDIT	IONS:					
55			0%	100%		Lateral Visibility	good	Drive	way Density:	low	
54			0%	100%		Surface Condition	good		cycle Activity:	medium	
53		 	0%	100%					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
52		 	0%	100%							
-	ХX	 	1%	100%	AVERAGE DAILY TR	RAFFIC:	9,000	SEGMENT L	ENGTH (ft):	5,160	
-	ХX		1%	99%		-			()-		
	ХX		1%	98%							
	XXXX		2%	97%						accid	ents per millio
1 7	XXX	хх	2%	95%	ACCIDENTS 3-YR T		9		DENT RATE:	U.93	ents per milli les miles
16		x x	1%	92%	(1/1/2011 - 12/31/201	13)		Avg. Accident Rate i	in District 12:	1.81	ies illies
4 5	X X X X X X X X X X	x	5%	91%							
14	x x x x x x x		4%	86%	EXISTING SPEED L	IMIT:	45 MPH	APPROVED SE	PEED LIMIT:	45 MPH	
13	xxxxxxxx	xxx	6%	82%					,		
	XXXXXXX	xxx	5%	76% *							
11	XXXXXXXX	хx	5%	70% *							
40	XXXXXXX	xxxx	6%	65% *	85TH %:	44	MPH	10 MPH PAG	CE:	33 - 42 MPH	1
39	XXXXXXXX	xxx	6%	58% P					,		
38	XXX	x x x x x x x x x	6%	52% A	50TH %:	37	MPH	% IN PACE:		62%	
37	X	x x x x x x x x x x	5%	46% C							
36	XXXXX	x x x x x x x x x x x x x	9%	41% E	15TH %:	32	MPH	% OVER PA	CE:	24%	
	XXXX	XXXXX	5%	31% *							
	ХX	XXXXX	4%	26% *	AVERAGE SPEED:	38	MPH	% UNDER F	PACE:	14%	
	XXXX	XXXXXXXXXXXX	8%	22% *							
	X	xxxx	2%	14%							
	ХX	xxx	2%	11%	COMMENTS AND/O	R RECOMMENDAT	IONS:				
	X		0%	9%							
29		XXXX	2%	8%				y of Vista Del Mar El	•		
28		XXXXX	3%	6%	speed survey, it is	recommended to	post the spe	ed limit on this segm	nent of Aven	ida Vista Herm	iosa at
27	X	X X	1%	3%	45 MPH.			_			
26		X	0%	2%							
25			0%	1%							
24		XX	1% 0%	1% 0%							
23		*	0%	0%	OBSERVED BY:	Miko Almir Tra	nortation Ct.:-!	on Inc. STLIDY DD	DADED BY:	lone Mrstsli	
22		 		0%	ODSERVED DI:	Mike Almir, Trans	portation Studi	es, IIIC. STUDT PRE	PARED BY:	Jane Wrotek	
21		 	0% 0%	0%							
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TC	TAL NUMBER OF VEHICLE	ES = 201	100%	1 1	1						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/8/14 TIME START: 11:05 AM TIME STOP: 12:00 PM WEATHER: Hazy DAY OF WEEK: Wednesday

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42	X.	X :	X	Х	Х	Х	Х	Х	Х	Х	Х			х	Х	Х	X	Х	Х	Х	Х				9%	35%	*
41	X	X :	X	Х										Х	Х	Х									3%	26%	1
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38	X	Х												Х	Х	Х	X	Х	Х	Х	Х				5%	15%	1
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LOCATION:	AVENIDA LA PA		a Pico		
Horizontal Alignm Vertical Alignm	Width (ft): for Both Directions: ent Design Speed: ent Design Speed:	4 70 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:		intersection at Avenida
ROADWAY CONDITION	DNS: Lateral Visibility: Surface Condition:		Driveway Density: Ped.& Bicycle Activity:	low	
AVERAGE DAILY TR	AFFIC:	5,500	SEGMENT LENGTH (ft):	5,200	
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013 EXISTING SPEED LIII	3)	7 45 MPH	ACCIDENT RATE: Avg. Accident Rate in District 12: APPROVED SPEED LIMIT:	1.81	accidents per million vehicles miles
85TH %:	50	MPH	10 MPH PACE:	42 - 51	MPH
50TH %:	44	MPH	% IN PACE:	62%	
15TH %:	38	MPH	% OVER PACE:	12%	
AVERAGE SPEED:	45	MPH	% UNDER PACE:	26%	
	's access to resid	lential establ	ishments and hiking trails nearby a La Pata at 45 MPH.	v, it is reco	mmended

OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/8/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/8/14 TIME START: 10:05 AM TIME STOP: 11:00 AM DAY OF WEEK: Wednesday WEATHER: Hazy

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OCATION:	AVENIDA LA PA	ТА		
LOCATION.	Avenida Pico to (
	Avenida Pico to C	Jalle Del Cel	ITO	
ROAD CHARACTER	DISTICS:			
NOAD CHARACTER	Width (ft):	84	Sidewalks/Driveways:	ves
No. of Lanes	for Both Directions:	4	On-Street Parking:	
	ment Design Speed:	70 MPH	Crosswalks:	
Vertical Align	ment Design Speed:	70 MPH	Traffic Controls:	Traffic signals at Ave Pico, Tra
				Devices and CI Amanecer; Sto
				signs at two side streets.
ROADWAY CONDIT				
	Lateral Visibility:	good	Driveway Density:	
	Surface Condition:	good	Ped.& Bicycle Activity:	low
AVED AGE DAILY T	DAFFIO	0.000	OF OMENT LENGTH (6)	0.570
AVERAGE DAILY TI	KAFFIC:	9,000	SEGMENT LENGTH (ft):	3,570
ACCIDENTS 3-YR T	OTAL:	7	ACCIDENT RATE:	
(1/1/2011 - 12/31/20 ⁻	13)		Avg. Accident Rate in District 12:	1.81 vehicles miles
EXISTING SPEED L	.IMIT:	45 MPH	APPROVED SPEED LIMIT:	45 MPH
85TH %:	48	MPH	10 MPH PACE:	38 - 47 MPH
50TLI %.	41	MDH	% IN PACE.	58%
30111 /0.		IVIFTI	78 IN FACE.	3076
		MPH	% OVER PACE:	17%
15TH %:	34			
15TH %:	34			
50TH %:	41		MPH MPH	
	34 42	MPH	% UNDER PACE:	
GE SPEED:	42		% UNDER PACE:	25%
VERAGE SPEED:			% UNDER PACE:	
AVERAGE SPEED:	42 OR RECOMMENDATION	ONS:		25%
AVERAGE SPEED: COMMENTS AND/O Based on the local	42 R RECOMMENDATION of this street se	ONS:	access to industrial and comme	25%
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par	42 R RECOMMENDATION And this street sets to be a second field and the	ONS: egment with a		25%
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par	42 R RECOMMENDATION of this street se	ONS: egment with a	access to industrial and comme	25%
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par	42 R RECOMMENDATION And this street sets to be a second field and the	ONS: egment with a	access to industrial and comme	25%
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par	42 R RECOMMENDATION And this street sets to be a second field and the	ONS: egment with a	access to industrial and comme	25%
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par segment of Avenic	42 R RECOMMENDATION And this street sets to be a second field and the	ONS: egment with a	access to industrial and comme	25%
Based on the local close to Steed par	42 R RECOMMENDATION And this street sets to be a second field and the	ONS: egment with a I hiking trail h PH.	access to industrial and comme nead, it is recommended to post	25% rcial establishments, the speed limit on this
AVERAGE SPEED: COMMENTS AND/O Based on the local close to Steed par segment of Avenic	42 OR RECOMMENDATION Ition of this street set has a seball field and la La Pata at 45 MF	ONS: egment with a I hiking trail h PH.	access to industrial and comme nead, it is recommended to post	25% rcial establishments, the speed limit on this

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/8/2019



NORTHBOUND

SPEED

(MPH)

65

64 63

62

61

60

59

58

57

56

55

54

53

52

51 50

49 48

47

46

45

42

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31 30

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26 25

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20 19

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17 16

15

ΧХ

X X X X

X X X X X

X X X X X

x x x x x x

X X X X X

x x x x x

X X X X X X

XXXXXX

ΧХ

X X X X

X X X

TOTAL NUMBER OF VEHICLES = 200

x x x x x x x

 $x \times x \times x$

x x x x x x x x x

X X X

VEHICLES SURVEYED

ΧХ

X X X X

XXXXXXX

XXXXXXX

XXXXXXX

X X X X X X X X

XXXXXXX

x x x x x x x

x x x x x

X X X X X

XXX

ΧХ

ΧХ

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X X X X X X X

SOUTHBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0%

0% 100%

0% 100%

0% 100%

1% 100%

0%

0%

2%

1% 97%

3%

6%

7%

10%

8%

6%

5%

4%

5%

2%

4%

1%

2%

0%

1%

2%

1%

0%

1%

0%

0%

0% 0%

0%

0%

0%

0%

100%

CUML.

100%

100%

100%

100%

99%

99%

99%

98%

96%

93%

82%

75%

67%

60%

51%

43% 37%

32%

26%

22%

18%

13%

12%

8%

7%

5%

5%

5% 5%

4%

2%

2%

2%

1%

1%

1%

1%

1%

1%

0%

0%

0%

0%

DATE OF SURVEY: 1/8/14 TIME START: 9:00 AM TIME STOP: 10:00 AM

DAY OF WEEK: Wednesday WEATHER: Hazy

FFIC SURVEY		DAY O	F WEEK: Wednesday		WEATHER: Hazy
	AVENIDA LA PATA Calle Del Cerro to S		nit		
ROAD CHARACTERIS	TICS: Width (ft):	84	Sidewalks/Driveways:	yes	
No. of Lanes fo	or Both Directions:	4	On-Street Parking:	no	
Horizontal Alignme			Crosswalks:	no	-
Vertical Alignme	ent Design Speed:	50 MPH	Traffic Controls:	Stop signs	at 4 side streets.
ROADWAY CONDITIO	NS:				
	Lateral Visibility:	good	Driveway Density:	low	
;	Surface Condition:	good	Ped.& Bicycle Activity:	medium	-
AVERAGE DAILY TRA	FFIC:	9,000	SEGMENT LENGTH (ft):	3,790	-
ACCIDENTS 3-YR TO	ΓAL:	6	ACCIDENT RATE:	0.85	accidents per million
(1/1/2011 - 12/31/2013))		Avg. Accident Rate in District 12:	1.82	vehicles miles
EXISTING SPEED LIM	IIT:	45 MPH	APPROVED SPEED LIMIT:	45 MPH	-
85TH %:	47	MPH	10 MPH PACE:	40 - 49	MPH
			•		
50TH %:	43	MPH	% IN PACE:	67%	
15TH %:	36	MPH	% OVER PACE:	8%	
AVERAGE SPEED:	43	MPH	% UNDER PACE:	26%	
COMMENTS AND/OR	RECOMMENDATI	ONS:			
			e street to Steed park baseball fie speed limit on this segment of A		
OBSERVED BY:	Mike Almir, Transp	ortation Studie	es, Inc. STUDY PREPARED BY:	Jane Mrot	ek
RECOMMENDATION A	APPROVED BY:	Thomas Fra	nk, P.E.		
PER C.V.C. 40802, SU	RVEY EXPIRES:	1/8/2019			
1					

\Cd\cd\Engineering\Transportation\Speed Limits\2014 Speed Studies\E&Ts\La Pata_S. city limit.xlsx	Page 28 of 74



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/13/14 TIME START: 10:33 AM TIME STOP: 11:30 AM

DAY OF WEEK: Monday WEATHER: Clear

SPEED	VEHICL	ES SURVEYED		CUML.					
(MPH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	LOCATION:	CAMINO LA PE	DRIZA		
65			0%	100%		Avenida Vista H		ia Amor	
64			0%	100%		/ (VOIIIda VIota I I	cimosa to v	14 / 11101	
63			0%	100%	ROAD CHARACTERI	ISTICS:			
62			0%	100%	ROAD GHARAGIER	Width (ft):	66	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes	for Both Directions:	2	On-Street Parking:	yes
60			0%	100%		nent Design Speed:	45 MPH	Crosswalks:	yes
59			0%	100%		nent Design Speed:			Stop signs on Calle Pedriza at
58			0%	100%		0 1			Avenida Vista Hermosa
57			0%	100%					
56			0%	100%	ROADWAY CONDITI	ONS:			
55			0%	100%		Lateral Visibility:	good	Driveway Density:	low
54			0%	100%		Surface Condition:	good	Ped.& Bicycle Activity:	low
53			0%	100%				•	
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	2,000	SEGMENT LENGTH (ft):	4,150
50	X		1%	100%				()	
49			0%	100%					
	x	x	1%	100%					accidents per million
	X X X X X X	X	4%	99%	ACCIDENTS 3-YR TO		4	ACCIDENT RATE:	vehicles miles
	XXX	хх	3%	95%	(1/1/2011 - 12/31/201	3)		Avg. Accident Rate in District 12:	1.32
45	X X X X X X X	xxx	5%	93% *					
44	XXXX	xxxx	5%	88% *	EXISTING SPEED LII	MIT:	40 MPH	APPROVED SPEED LIMIT:	40 MPH
43	x x x x x x x	x x x x x x x x	8%	83% *					
42	XXXX	x x x x x x x x	7%	76% P					
41	X X X X X	XXXX	5%	69% A	·				
	XXXXX	XXXXXX	6%	64% C		43	MPH	10 MPH PACE:	36 - 45 MPH
	XXXXX	XXXXXX	6%	58% E					
	x x x x x x x x	xxxxxxxx	9%	52% *	50TH %:	37	MPH	% IN PACE:	62%
	XXXXX	xxxxxxx	7%	44% *					
	XXXXXX	XXXXXX	7%	37% *	15TH %:	31	MPH	% OVER PACE:	8%
	XXXXX	XXXX	5% 3%	31%	AVED A CE CREED.	20	MDII	0/ LINDED DAGE:	31%
	XX	XXXX	4%	26% 23%	AVERAGE SPEED:	38	MPH	% UNDER PACE:	3176
	X	XXXXX	4%	19%					
	XXX	XXX	3%	15%	COMMENTS AND/OF	PECOMMENDAT	IONS:		
	XX	XXXXXX	4%	12%	COMMENTS AND/OF	. ILCOMINICIADAT	10143.		
	XX	XX	2%	8%	Based on the locati	on of this street s	eament noo	r park, golf courses and resident	ial zones it is
	X	XX	2%	6%			•		iai 201163, it is
27		xx	1%	4%	recommended to po	osi ille speed ilmi	it on Camino	Pedriza at 40 MPH.	
	x	X	1%	3%					
	X	X	1%	2%					
	X		1%	1%					
23			0%	1%					
22			0%	1%	OBSERVED BY:	Mike Almir, Transp	ortation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek
21	X		1%	1%					
20			0%	0%					
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Fra	ank, P.E.	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, S	URVEY EXPIRES:	1/13/2019		
15			0%	0%					
TC	TAL NUMBER OF VEHICLE	S = 200	100%						
		<u> </u>							
_			_	-			_		



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/13/14 TIME START: 11:31 AM TIME STOP: 12:30 PM
DAY OF WEEK: Monday WEATHER: Clear

	CIFORN						DATO	OF WEEK: Monday W	WEATHER: Clear	
SPEED		ES SURVEYED	% OF	CUML.						
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION:	CAMINO LA P	EDRIZA			
65			0%	100%		Via Amor to Av	renida Pico			
64			0%	100%						
63			0%	100%	ROAD CHARACTER	RISTICS:				
62			0%	100%		Width (ft)): 66	Sidewalks/l	Driveways: yes	
61			0%	100%	No. of Lanes	for Both Directions			eet Parking: yes	_
60			0%	100%	Horizontal Alignr	ment Design Speed	d: 45 MPH		Crosswalks: yes	-
59			0%	100%		ment Design Speed			ic Controls: Stop sign	s at nine side streets.
58			0%	100%						
57			0%	100%						
56			0%	100%	ROADWAY CONDIT	IONS:				
55			0%	100%		Lateral Visibility	/: good	Drivewa	ay Density: low	
54			0%	100%		Surface Condition		Ped.& Bicyc		_
53			0%	100%			3000			-
52			0%	100%						
51			0%	100%	AVERAGE DAILY TR	RAFFIC:	2,000	SEGMENT LE	NGTH (ft): 4,400	
50			0%	100%					.,,.,,	_
49		x	1%	100%						
48			0%	100%						accidente ner million
47	x		1%	100%	ACCIDENTS 3-YR T	OTAL:	2	ACCIDE	ENT RATE: 1.10	accidents per million
46			0%	99%	(1/1/2011 - 12/31/201	13)		Avg. Accident Rate in	District 12: 1.32	vehicles miles
45	XXXX	xxxxx	5%	99%						
44	XXXX	xxxxxxx	7%	94%	EXISTING SPEED L	IMIT:	40 MPH	APPROVED SPE	EED LIMIT: 40 MPH	
43	xxxx	xxxxxx	6%	88%						-
42	XXXX	xxxxxxx	6%	82%						
41	xxxx	xxxxxx	6%	77%	>					
40	xxxx	xxxxxx	6%	71%	A 85TH %:	42	MPH	10 MPH PACE	E: 35 - 44	. MPH
39	xxxxxx	XXXXXXXXX	9%		C -					
38	x x x x x x x x	xxxxxx	7%	57%	■ 50TH % :	37	MPH	% IN PACE:	64%)
37	x x x x x x x x	xxxxxx	7%	50%	r e					
36	XXXXX	xxxxxx	7%	43%	15TH %:	31	MPH	% OVER PAC	E: 6%)
35	x x x x x x	xxxx	6%	36%	•					
34	x x x x x x x x	xxxx	6%	31%	AVERAGE SPEED:	37	MPH	% UNDER PA	ACE: 31%)
33	XXXXX	xxxx	5%	25%						
32	XXXX	xxxx	5%	20%						
31	x x x x x x	XXXXX	6%	15%	COMMENTS AND/O	R RECOMMENDA	TIONS:			
30	XXXXX	XXXXX	5%	9%						
29	XXXX		2%	4%	Based on the locat	tion of this street	segment nea	r the park, golf courses	s and residential zo	ones, it is
28			0%	2%	recommended to p	oost the speed lin	nit on Camino	Pedriza at 40 MPH.		
27			0%	2%	11	·				
26			0%	2%						
25	XX		1%	2%						
24	X		1%	1%						
23			0%	1%						
22	X		1%	1%	OBSERVED BY:	Mike Almir, Trans	sportation Studi	es, Inc. STUDY PREP	PARED BY: Jane Mro	tek
21			0%	0%						
20			0%	0%						
19			0%	0%	RECOMMENDATION	N APPROVED BY:	Thomas Fra	ank, P.E.		
18			0%	0%						
17			0%	0%						
16			0%	0%	PER C.V.C. 40802, S	SURVEY EXPIRES	: 1/13/2019			
15			0%	0%						
TO	OTAL NUMBER OF VEHICLE	S = 200	100%							



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/6/14 TIME START: 10:00 AM TIME STOP: 10:42 AM

DAY OF WEEK: Monday WEATHER: Clear

SPEED	L				_			_				HI	J.		3	Sι	JK	VE	<u> </u>				_			_	_	% OF	CUML
(MPH)	L				Е	A	ST	В	οl	ΙN	D		_		_				_	W	Æ	ST	В	Οl	JN	D	 	TOTAL	%
65																												0%	1009
64	Ш																										ot	0%	1009
63																											Щ	0%	1009
62																											Щ	0%	1009
61																											Щ	0%	100%
60																											Щ	0%	1009
59																											Щ	0%	1009
58																											Щ	0%	1009
57																											Щ	0%	1009
56																											Щ	0%	1009
55																												0%	1009
54																											П	0%	1009
53																											T	0%	1009
52																											П	0%	1009
51																											П	0%	1009
50																											П	0%	1009
49																											П	0%	1009
48																												0%	1009
47																												0%	1009
46																											П	0%	1009
45																											T	0%	1009
44																											T	0%	1009
43	Х																										T	0%	1009
42	Х															х											T	1%	1009
41	Х	Х														Х											П	1%	999
40	Х															х											T	1%	979
39	х															Х											Ħ	1%	969
38																Х	Х										Ħ	1%	959
37	Х															х	х										T	1%	949
36	Х	Х	Х	х												х	х	х									T	3%	939
35	х															Х	Х	Х	Х	Х							Ħ	3%	899
34	Х	Х	Х	х												х	х	х	Х	х	х	х					T	5%	869
33	Х	Х	Х	х	Х	Х	х									х	х										T	4%	819
32	х	Х	Х	Х	Х											Х	Х	Х	Х	Х	Х	Х	Х				Ħ	6%	769
31	Х	Х	Х	х	Х	Х										х	х	х	Х								T	5%	709
30	Х	Х	Х	х	Х	Х	х									х	х	х	Х	х	х	х	х	Х	Х	Х	T	9%	659
29	Х	Х	Х	Х	Х	Х	X	Х	Х	X	Х	Х	Х	Χ	Х	Х	Х	Х	Х	X	Х	Х					T	12%	569
28	Х	Х	Х	Х	Х	Х	X	Х								Х	Х	Х	Х	X	Х	Х	Χ	Х			T	8%	449
27	Х	Х	Х	Х	Х	Х	X	Х								Х	Х	Х	Х								T	6%	369
26						Х				X	Х					Х	Х	Х	Х	X	Х						T	8%	309
25	_	Х														_	Х										T	4%	219
24	Х	Х	Х													Х	Х	Х	Х	X	Х	Х	Х				T	5%	179
23	Х	Х	Х	Х												Х	Х	Х	Х	X	Х						T	5%	119
22		Х														_	Х										T	4%	69
21	F	i	i													X		i	i	H							11	1%	29
20	х															X	i										11	1%	19
19	Ë															X											11	0%	09
18	Н															i											11	0%	09
17	Н																										11	0%	09
16	Н																										11	0%	09
	Н																										+	0%	09
15	L			Ш	М	_				Ш	Ш	Ц						2					Ц			Ш	Щ	100%	07

ROAD CHARACTERIS	TICS: Width (f	t): 84	Sidewalks/Driveways:	VOC
No. of Lanes fo	or Both Direction	,	On-Street Parking:	yes no
Horizontal Alignme			Crosswalks:	yes
Vertical Alignme	ent Design Spee	d: 45 MPH	Traffic Controls:	Traffic signals at 7 intersection
ROADWAY CONDITIO	NS:			
	Lateral Visibili	,	Driveway Density:	
•	Surface Condition	on: good	Ped.& Bicycle Activity:	medium
AVERAGE DAILY TRA	FFIC:	31,000	SEGMENT LENGTH (ft):	3,580
ACCIDENTS 3-YR TO		86	ACCIDENT RATE:	
(1/1/2011 - 12/31/2013))		Avg. Accident Rate in District 12:	1.81 vehicles miles
EXISTING SPEED LIM	IIT:	35 MPH	APPROVED SPEED LIMIT:	35 MPH
B5TH %:	33	MPH	10 MPH PACE:	23 - 32 MPH
50TH %:	28	MPH	% IN PACE:	70%
15TH %:	23	MPH	% OVER PACE:	24%
AVERAGE SPEED:	29	MPH	% UNDER PACE:	6%
COMMENTS AND/OR	RECOMMENDA	ATIONS:		
			mercial centers, high accident r	
percentile speed, it is 35 MPH.	s recommende	ed to post the sp	eed limit on this segment of Ca	mino de los Mares at

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/6/2019



CITY OF SAN CLEMENTE SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

 DATE OF SURVEY:
 1/6/14
 TIME START:
 10:51 AM
 TIME STOP:
 11:32 AM

 DAY OF WEEK:
 Monday
 WEATHER:
 Clear

CALIFORNI	1		•)	Г		- 6	=	י	'	_	"	VI		•	•			·I	4	J		N			_	1		V	·	J CK	IRF	\ I
SPEED	L									١	/E	НІ	CI	Ε	s	SI	JR	۷۱	ΕY	Έ	D											CUML.	
(MPH)	ſ				Е	Α	ST	В	οι	JN	D									W	Æ	SI	В	Οl	JN	ID					% OF TOTAL	%	
65	T															Т															0%	100%	
64		r	r	r	r	r	H	H	П	r	П	П	П	r	r		П	r	r	r	П	r	r	r	r	П	r	П	ī		0%	100%	
63		Г	T	Г	T	T	Т	Т	ī	Г	П	ī	П	Г	Г		ī	Г	Г	Г	П	Г	Г	Г	Г	ī	Г	П			0%	100%	
62		Г	T	Г	T	T	Г	Г		Г				Г	Г		П	Г	Г	Г	П	Г	Г	Г	Г	П	Г				0%	100%	
61															Г																0%	100%	
60																Х															1%	100%	
59																															0%	100%	
58																															0%	100%	
57																															0%	100%	
56	Х	L	L	L	L	L	L	L		L				L	L		Ц	L	L	L	Ц	L	L	L	L	Ц	L				1%	100%	
55	Х	Х														Х	X	X													3%	99%	
54	Х															X	X	X													2%	97%	
53	х															Х															1%	95%	
52	Х	X	X													X	X	X													3%	94%	
51	Х															X	X	X	X												3%	91%	
50	Х	Х	X	X	X	X	Х	Х								Х	X	X	X	X	Х	X	X								8%	88%	*
49							Х	Х	X							_	Х														9%	80%	*
48					X		L	L	Ц	L	Ц	Ц	Ц	L	L		X							L	L	Ц	L	Ц			6%	72%	Ľ
47					Х			L	Н	L	Н	Н	Н	L	L	_	Х							Х	Х	Х	Х	Х	Х		10%	66%	P
46					X											_	X			Х	Х	Х	L	L	L	Н	L	Н			7%	56% 49%	A
45		_	_	_	_	_	Х	_		_		Х	Х	Х	Х			_	_	H	Н	H	H	H	H	Н	H	Н	Н		10%		1
44	Х	Х	Х	Х	Х	Х	X	Х	Х	X						Х	X	X	Х	Х	Х	Х	Х	Х	Х	Х					11%	40%	E
43	Х	X	X	X	X	L	L	L		L				L	L	X	X	X	X	X	Ц	L	L	L	L	Ц	L				5%	29%	. *
42	Х	X	X	X	L	L	L	L	Ц	L	Ц	Ц	Ц	L	L	_	X					L	L	L	L	Ц	L	Ц			5%	24%	*
41	Х	X	X	X	X	Х	Х	L	Ц	L	Ц	Ц	Ц	L	L		X	-	-	X	Ц	L	L	L	L	Ц	L	Ц			6%	19%	*
40		L	L	L	L	L	L	L	Ц	L	Ц	Ц	Ц	L	L	_	X		Х	L	Ц	L	L	L	L	Ц	L	Ц			2%	13%	
39		-	-	-	-	Х	Х	L	Ц	L	Н	Ц	Н	L	L		X	-	L	L	Н	L	L	L	L	Ц	L	Н			5%	11%	
38			Х	Х	L	L	L	L	Н	L	Н	Н	Н	L	L		Х	L	L	L	Н	L	L	L	L	Н	L	Н			3%	6%	l
37	X		H	H	L	H	H	H	Н	H	Н	Н	Н	H	H	Х	Н	H	H	H	Н	H	H	H	H	Н	H	Н		_	1% 1%	3% 2%	
36	×	Х	H	H	H	H	H	H	Н	H	Н	Н	Н	H	H	_	Н	H	H	H	Н	H	H	H	H	Н	H	Н	Н	_	0%	1%	
35 34	х	H	H	H	H	H	H	H	Н	H	Н	Н	Н	H	H	х	Н	H	H	H	Н	H	H	H	H	Н	H	Н	Н	_	1%	1%	
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LOCATION:	CAMINO DE Avenida Vaque			
Horizontal Alignm	Width (ft or Both Direction	s: 4 d: 50 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	yes no yes Signalized intersections at Vaquero, Nuevo and Vera Cruz.
ROADWAY CONDITION	ONS: Lateral Visibilit Surface Conditio		Driveway Density: Ped.& Bicycle Activity:	low low
AVERAGE DAILY TRA	AFFIC:	16,000	SEGMENT LENGTH (ft):	5,450
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013		17	ACCIDENT RATE: Avg. Accident Rate in District 12:	
EXISTING SPEED LIN	MIT:	45 MPH	APPROVED SPEED LIMIT:	45 MPH
85TH %:	49	МРН	10 MPH PACE:	41 - 50 MPH
85TH %: 50TH %:	49 45	MPH MPH	10 MPH PACE:	41 - 50 MPH 75%
50TH %:	45	MPH	% IN PACE:	75%
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric	45 40 46 RECOMMENDA c design of the ansides, it is reco	MPH MPH MPH ATIONS: street and acc	% IN PACE: % OVER PACE:	75% 12% 13% porhoods, on-street
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric bicyle lanes on both	45 40 46 RECOMMENDA c design of the a sides, it is record.	MPH MPH ATIONS: street and accommended to	% IN PACE: % OVER PACE: % UNDER PACE: ess to several residential neighb	75% 12% 13% porhoods, on-street ment of Camino de

1/6/2019

PER C.V.C. 40802, SURVEY EXPIRES:



SPEED

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CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/6/14 TIME START: 11:35 AM TIME STOP: 12:17 PM DAY OF WEEK: Monday WEATHER: Clear

VEHICLES SURVEYED CUML % OF **EASTBOUND** WESTBOUND LOCATION: CAMINO DE LOS MARES TOTAL % Camino Vera Cruz to East City Limit 0% 100% 100% 0% 100% **ROAD CHARACTERISTICS:** 0% 100% Width (ft): 64-84 Sidewalks/Driveways: 0% 100% No. of Lanes for Both Directions: On-Street Parking: 0% 100% Horizontal Alignment Design Speed: 40 MPH Crosswalks: yes 0% 100% Vertical Alignment Design Speed: Traffic Controls: Traffic signal at Cm Vera Cruz; 45 MPH 0% 100% Stop signs at 3 side streets. 0% 100% 0% 100% **ROADWAY CONDITIONS:** 0% 100% Lateral Visibility: good Driveway Density: low 0% 100% Surface Condition: good Ped.& Bicycle Activity: medium 100% 0% 100% SEGMENT LENGTH (ft): 4,150 100% AVERAGE DAILY TRAFFIC: 7,000 99% 98% 5% 94% **ACCIDENTS 3-YR TOTAL:** x x x x x13 ACCIDENT RATE: 2.16 accidents per million 4% 89% Avg. Accident Rate in District 12: vehicles miles ххх (1/1/2011 - 12/31/2013) **XXXXXXX** ххх 5% 85% x x x x x x6% 80% **EXISTING SPEED LIMIT:** 45 MPH APPROVED SPEED LIMIT: 45 MPH 8% 75% XXXXXXXXXX XXXXXXX 67% P XXXXXXX **XXXXXXX** 8% 60% A x x x x x x x x x x 52% C 85TH %: **XXXXXXXX** X X X X X6% 45 MPH 10 MPH PACE: 36 - 45 MPH x x x x x x x x x x x 8% 46% 8% 38% XXXXXXXX XXXXXXXXX 50TH %: 39 MPH % IN PACE: 67% 30% x x x x x x x x x 7% XXXXX 5% 23% 15TH %: 34 MPH % OVER PACE: 15% 18% x x x x xXXXXXX 5% 15% **AVERAGE SPEED:** 40 MPH % UNDER PACE: 18% x x x x2% 9% 7% ΧХ 2% XXXX 6% COMMENTS AND/OR RECOMMENDATIONS: 4% X X XBased on the speed survey, location of the street with direct access to several residential 0% neighborhoods and the County hiking trailhead, it is recommended to post the speed limit on this 0% 1% segment of Camino de los Mares at 45 MPH. 0% 0% 0% 0% 0% 0% 0% 0% 0% OBSERVED BY: 0% Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek 0% 0% 0% 0% 0% RECOMMENDATION APPROVED BY: Thomas Frank, P.E. 0% 0% 0% 0% 0% 0% PER C.V.C. 40802, SURVEY EXPIRES: 1/6/2019 100% TOTAL NUMBER OF VEHICLES = 212



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/14/14 TIME START: 1:10 PM TIME STOP: 2:00 PM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	L									١	Æ	ΗĪ	CĹ	ES	SI	JR	VI	ΕŸ	Ε	D								% OF	CUML.	
(MPH)					N	OR	łΤ	HE	30	١U	NE)							S	วบ	ITI	НВ	80	U١	١D			TOTAL	%	
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63																											П	0%	100%	0
62																												0%	100%	0
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45	х														_	Х											T	1%	94%	
44		v	v	v	v	х											х	v									T			
						^																					++	5%	93%	
43				X														X										4%	88%	
42				X											_					X	Х						++	5%	83%	
41				X											_	Х	Х	Х	Х	Х							++	5%	78%	
40												х	Х	Х	X												++	7%	73%	
39									X	х	Х				_										X		++	11%	65%	
38						Х																			X	X	++	10%	54%	
37						X																	X				++	9%	43%	
36									X	Х	Х	х			_								Х	Х	X	Х	++	12%	34%	
35						Х	Х	Х	Х											Х							++	8%	22%	
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LOCATION:	CAMINO MIRA C		no De Estrella	
Horizontal Alignm	Width (ft): Width (ft): for Both Directions: nent Design Speed: nent Design Speed:	64 4 40 MPH 35 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	yes yes yes Signalized intersection at Cam. De Estrella and stop sign At Cam. Capistrano
ROADWAY CONDITION	Lateral Visibility: _Surface Condition: _	good good	Driveway Density: Ped.& Bicycle Activity: SEGMENT LENGTH (ft):	low
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013 EXISTING SPEED LIM	3)	8 35 MPH	ACCIDENT RATE: Avg. Accident Rate in District 12: APPROVED SPEED LIMIT:	3.97 vehicles miles
85TH %:	42	MPH	10 MPH PACE:	34 - 43 MPH
50TH %: 15TH %:	37	MPH MPH	% IN PACE:	80%
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on the street	37 34 38 R RECOMMENDATI t geometric design	MPH MPH ONS:	% IN PACE:	80% 12% 7%
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on the street	37 34 38 R RECOMMENDATI t geometric design	MPH MPH ONS: n, access to on Camino M	% IN PACE: % OVER PACE: % UNDER PACE: several residential tracts and a diract Costa at 35 MPH.	80% 12% 7% park, it is
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on the street recommended to po	37 34 38 R RECOMMENDATI t geometric designost a speed limit of	MPH MPH MONS: n, access to on Camino Montation Studion	% IN PACE: % OVER PACE: % UNDER PACE: several residential tracts and a Mira Costa at 35 MPH. STUDY PREPARED BY:	80% 12% 7% park, it is



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 1:00 PM TIME STOP: 2:00 PM

DAY OF WEEK: Thursday WEATHER: Clear

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36								Х	x					X									8%	49%	4
35	_							X				_							Х	Х			9%	40%	*
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33	_								Х	Х		_		Х									9%	23%	*
32	х	Х										х	х	Х	Х	х	х	Х					4%	14%	
31	х	Х										х	Х	Х	Х	Х	Х						4%	10%	
30												Х	Х	Х	X	X							2%	6%	
29												Х	Х										1%	3%	
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	AVENIDA VISTA Calle Del Cerro				
Horizontal Alignme	Width (ft): r Both Directions:	2 45 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:		ntersection at CI. Del Cerr op sign at CI Del Cerro
ROADWAY CONDITION	NS: Lateral Visibility: Surface Condition		Driveway Density: Ped.& Bicycle Activity:	low	
AVERAGE DAILY TRA	FFIC:	5,000	SEGMENT LENGTH (ft):	9,110	
ACCIDENTS 3-YR TOT (1/1/2011 - 12/31/2013)		8	ACCIDENT RATE: Avg. Accident Rate in District 12:	0.00	accidents per million vehicles miles
EXISTING SPEED LIM	ιт:	35 MPH	APPROVED SPEED LIMIT:	35 MPH	
85TH %:	41	MPH	10 MPH PACE:	33 - 42	MPH
85TH %: 50TH %:	41 36	MPH MPH	10 MPH PACE:	33 - 42 72%	MPH
					MPH
50TH %:	36	MPH	% IN PACE:	72%	MPH
15TH %: AVERAGE SPEED: COMMENTS AND/OR I Based on the geome	36 32 37 RECOMMENDAT tric design of the and Rancho San	MPH MPH MPH IONS:	% IN PACE:	72% 13% 14%	Lobo
50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR I Based on the geome: Elementary School at Avenida Vista Montai	36 32 37 RECOMMENDAT tric design of the and Rancho San	MPH MPH IONS: e street with Clemente Pa	% IN PACE: % OVER PACE: % UNDER PACE: direct access to several residentiark, it is recommended to post a	72% 13% 14% sial tracts, L	Lobo t on

PER C.V.C. 40802, SURVEY EXPIRES: 1/16/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 9:00 AM TIME STOP: 10:00 AM

DAY OF WEEK: Thursday WEATHER: Clear

SPEED	VEHICL	ES SURVEYED		CUML.				FWEEK. Huisday WEATHER.	
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	CALLE NEGOC	OIO		
65			0%	100%		Calle Amanecei	r to its termin	ius	
64			0%	100%					
63			0%	100%	ROAD CHARACTERI	STICS:			
62			0%	100%		Width (ft):	44	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes f	or Both Directions:	2	On-Street Parking:	yes
60			0%	100%		ent Design Speed:		Crosswalks:	
59			0%	100%	Vertical Alignm	ent Design Speed:	35 MPH	Traffic Controls:	Signalized intersection at Calle
58			0%	100%					Amanecer
57			0%	100%					
56			0%	100%	ROADWAY CONDITION				
55			0%	100%		Lateral Visibility:	good	Driveway Density:	medium
54			0%	100%		Surface Condition	: good	Ped.& Bicycle Activity:	low
53			0%	100%					
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	3,100	SEGMENT LENGTH (ft):	3,330
50			0%	100%					
49			0%	100%					
48			0% 0%	100% 100%	ACCIDENTS 3-YR TO	TAL.			4.07 pooldents nor million
47							4	ACCIDENT RATE:	
46	X		0%	100%	(1/1/2011 - 12/31/2013	3)		Avg. Accident Rate in District 12:	1.32 venicles miles
45			0%						
44			0%	100%	EXISTING SPEED LIN	NIT:	35 MPH	APPROVED SPEED LIMIT:	35 MPH
43		x	0%	100%					
	XXXX		2%	99%					
	XXXXX	X	3%	97%					
	XXXXX		2% 2%	94%	85TH %:	36	MPH	10 MPH PACE:	28 - 37 MPH
	XXXX		3%	92%	50711.0/	24	MDU	0/ IN DAGE	700/
	XXXXX	V V V V V V V	5%	90% 87%	50TH %:	31	MPH	% IN PACE:	73%
	X	X X X X X X X X X X X X X X X X X X X	8%	81%	15TH %:	27	MPH	% OVER PACE:	13%
	XXXXXX	XXXXXX	6%	73%	131176.		IVIFI	% OVER PACE.	13%
	X X X X X X X X X	XXXXXXXX	9%		AVERAGE SPEED:	33	MPH	% UNDER PACE:	13%
-	XXXXXX	XXXXXXX	6%		A AVERAGE SI EED.		IVII I I	% ONDER I AGE.	1070
	XXXXX	XXXXXXX	6%		c				
	XXXXXXX	XXXXXXXXXXX	10%		E COMMENTS AND/OR	RECOMMENDAT	IONS:		
	XXXXXXX	xxxxxxxxx	8%	36%	.				
	XXXXXXXX	xxxxxxxx	9%	28%	Based on geometric	c design of the st	reet, direct a	access to several industrial and o	office buildings, fire
	XXXX	xxxxx	5%	19%	.	•		post a speed limit on Calle Neg	•
	XXX	xxxxx	4%	13%	Station and the post		ionaca to	poor a specia mini on cano recy	00.0 at 00 Wil 11.
26	XXXX	xxxxxx	6%	9%					
25	X	X	1%	3%					
24		х	0%	2%					
23	X	х	1%	1%					
22			0%	0%	OBSERVED BY:	Mike Almir, Transp	portation Studi	es, Inc. STUDY PREPARED BY:	Jane Mrotek
21			0%	0%					
20	X		0%	0%	DECOMMEND : TICL!	ADDD OVED TV			
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Fra	ank, P.E	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, SU	JRVEY EXPIRES:	1/16/2019		
15			0%	0%					
TC	TAL NUMBER OF VEHICLE	S = 203	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/22/14 TIME START: 10:00 AM TIME STOP: 11:00 AM

DAY OF WEEK: Wednesday WEATHER: Clear

SPEED	VEHICLE	S SURVEYED		CUML.		EER. Wednesday	WEATHER. Clear
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION: SOUTH OLA VISTA		
65			0%	100%	Avenida Del Mar to Avenida Vale	ncia	
64			0%	100%			
63			0%	100%	ROAD CHARACTERISTICS:		
62			0%	100%	Width (ft): 40	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes for Both Directions: 2	On-Street Parking:	yes
60 59			0% 0%	100% 100%	Horizontal Alignment Design Speed: 25 MPH Vertical Alignment Design Speed: 30 MPH	Crosswalks:	yes top sign at Ave. Palizada and
58			0%	100%	Vertical Alignment Design Opeed. 30 Wil 11		gnalized at Del Mar
57			0%	100%			
56			0%	100%	ROADWAY CONDITIONS:	_	
55			0%	100%	Lateral Visibility: limited	Driveway Density:	high
54			0%	100%	Surface Condition: good	Ped.& Bicycle Activity:	medium
53			0%	100%			
52			0%	100%	AVERAGE RAILY TRAFFIG	OF OMENT LENGTH ((1)	5.000
51 50			0% 0%	100%	AVERAGE DAILY TRAFFIC: 3,000	SEGMENT LENGTH (ft):	5,280
49			0%	100%			
48			0%	100%			accidents nor million
47			0%	100%	ACCIDENTS 3-YR TOTAL: 16	ACCIDENT RATE:	4.87 accidents per million vehicles miles
46			0%	100%	(1/1/2011 - 12/31/2013) Av	g. Accident Rate in District 12:	1.32 Verlicles miles
45			0%	100%			
44			0%	100%	EXISTING SPEED LIMIT: 25 MPH	APPROVED SPEED LIMIT: 2	25 MPH
43			0% 0%	100% 100%			
42 41			0%	100%			
40			0%	100%	85TH %: 27 MPH	10 MPH PACE:	20 - 29 MPH
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38			0%	100%	50TH %: 24 MPH	% IN PACE:	89%
37			0%	100%			
36			0%	100%	15TH %: 20 MPH	% OVER PACE:	8%
35 34			0% 0%	100% 100%	AVERAGE SPEED: 25 MPH	% UNDER PACE:	4%
	x	x	1%	100%	AVERAGE SPEED. 23 WIFTT	% ONDER FACE.	470
	X X	x	2%	99%			
31			0%	98%	COMMENTS AND/OR RECOMMENDATIONS:		
	x x x x x x	XXX	5%	98%			
	X X X X X X		4%	93%	Based on the street geometric design, access to various	,	,
	X X X X X X X X X X X X X X X X X X X	XXXXXXXXXX	11% 11%	89% ²	directly fronting the street, and high accident rate, it is	s recommended to post a spe	ed limit on this
	X X X X X X X X X X X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	11% 12%	79% ⁷	segment of Ola Vista at 25 MPH.		
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	x x x x x x	x x x x x x x	7%	24%	OBSERVED BY: Mike Almir, Transportation Studies, In	c. STUDY PREPARED BY: J	ane Mrotek
	XXXX	XXXXXXXX	7%	17%			
	XXXX	XXXXXXXX	7%	10%	DECOMMENDATION APPROVED BY Theres 5		
19		X	1%	4%	RECOMMENDATION APPROVED BY: Thomas Frank, I	P.E.	
	X X	X X	2% 1%	3% 2%			
	^	x			PER C.V.C. 40802, SURVEY EXPIRES: 1/22/2019		
16 15	v	^	1% 1%	1% 1%	FER G.V.G. 40002, SURVET EXPIRES: 1/22/2019		
	TAL NUMBER OF VEHICLES	= 200	100%	1 70			
	THE HUMBER OF VEHICLES		100 /0				



NORTHBOUND

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TOTAL NUMBER OF VEHICLES = 230

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VEHICLES SURVEYED

SOUTHBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL 0% 100%

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DATE OF SURVEY: 1/22/14 TIME START: 9:00 AM TIME STOP: 10:00 AM DAY OF WEEK: Wednesday WEATHER: Clear LOCATION: SOUTH OLA VISTA Avenida Valencia to Calle Califia ROAD CHARACTERISTICS: Width (ft): 40 Sidewalks/Driveways: No. of Lanes for Both Directions: 2 On-Street Parking: Horizontal Alignment Design Speed: 25 MPH Crosswalks: Vertical Alignment Design Speed: 30 MPH Traffic Controls: Stop sign at Valencia, Los Lobos Marinos, Riviera, and Calafia **ROADWAY CONDITIONS:** Lateral Visibility: limited Driveway Density: medium Surface Condition: Ped.& Bicycle Activity: medium good AVERAGE DAILY TRAFFIC: 1,800 SEGMENT LENGTH (ft): 4,224 ACCIDENTS 3-YR TOTAL: accidents per million 9 ACCIDENT RATE: 5.71 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 25 MPH APPROVED SPEED LIMIT: 25 MPH **EXISTING SPEED LIMIT:** 85TH %: MPH 10 MPH PACE: 21 - 30 MPH MPH 50TH %: 24 % IN PACE: 77% 15TH %: 20 MPH % OVER PACE: 8% AVERAGE SPEED: 25 MPH % UNDER PACE: 15% COMMENTS AND/OR RECOMMENDATIONS: Based on the street geometric design, access to various beaches and high density of driveways directly fronting the street, high accident rate, it is recommended to post a speed limit on this segment of Ola Vista at 25 MPH. 65% A 56% C 47% E OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/22/2019

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SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/16/14 TIME START: 3:00 PM TIME STOP: 4:00 PM DAY OF WEEK: Thursday WEATHER: Clear

	LIFORM						DAYO	F WEEK: Thursday WEATHER	: Clear
SPEED	VE	HICLES SURVEYED	% OF	CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL	%	LOCATION:	CALLE PASTA	DERO		
65			0%	100%		Avenida Vista I	Montana to its	terminus	
64			0%	100%		, ivolinaa viota i	mornana to no		
63			0%	100%	ROAD CHARACTER	ISTICS:			
62			0%	100%	KOAD CHARACTER	Width (ft)): 40	Sidewalks/Driveways	s: yes
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56			0%	100%	ROADWAY CONDITI	ONS:			
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49			0%	100%					
48			0%	100%					
47			0%	100%	ACCIDENTS 3-YR TO	OTAL:	0	ACCIDENT RATE	accidents per million
46			0%	100%	(1/1/2011 - 12/31/201	3)			vehicles miles
45		x	1%	100%	(-,			
44			0%	99%	EXISTING SPEED LII	міт.	30 MPH	APPROVED SPEED LIMIT	30 MPH
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33	XXX		3%	93%					
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31	XXXXX	хх	8%	83% *	COMMENTS AND/OF	R RECOMMENDA	TIONS:		
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28	XXXX	xxxxx	10%	55% A	establishments, it is	s recommended	to post a spec	ed limit on on Calle Pastadero	at 30 MPH.
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26	XXXX	XXXXX	9%	37% E					
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22	X	xxx	4%	9%	OBSERVED BY:	Mike Almir, Trans	sportation Studie	es, Inc. STUDY PREPARED BY	: Jane Mrotek
21		ХX	2%	5%					
20		ХX	2%	3%	DECOMMENDATION	ADDDOVED BY	Th	-1. D.E.	
19		X	1%	1%	RECOMMENDATION	APPROVED BY:	I nomas Fra	NK, P.E.	
18			0%	0%					
17			0%	0%			4/40/2245		
16			0%	0%	PER C.V.C. 40802, S	URVEY EXPIRES	: 1/16/2019		
15			0%	0%					
T	OTAL NUMBER OF VEHI	ICLES = 100	100%						



VEHICLES SURVEYED

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CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

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DATE OF SURVEY: 1/9/14 TIME START: 9:00 AM TIME STOP: 9:30 AM

WEATHER: Partly cloudy DAY OF WEEK: Thursday LOCATION: **AVENIDA PICO** El Camino Real to Calle De Los Molinos ROAD CHARACTERISTICS: Width (ft): 82 - 85 Sidewalks/Driveways: yes No. of Lanes for Both Directions: On-Street Parking: nο Horizontal Alignment Design Speed: 45 MPH Crosswalks: yes Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic signal lights at Los Molinos, Hermosa West and Reclamation **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: medium good Surface Condition: Ped.& Bicycle Activity: high good AVERAGE DAILY TRAFFIC: 12.000 SEGMENT LENGTH (ft): 2,620 **ACCIDENTS 3-YR TOTAL:** accidents per million 8 ACCIDENT RATE: vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 35 MPH APPROVED SPEED LIMIT: 35 MPH **EXISTING SPEED LIMIT:** 85TH %: 41 MPH 10 MPH PACE: 31 - 40 MPH 50TH %: 35 MPH % IN PACE: 73% 15TH %: MPH 22% 31 % OVER PACE: 5% **AVERAGE SPEED: MPH** % UNDER PACE: 37 COMMENTS AND/OR RECOMMENDATIONS: Based on the high volume of pedestrians and bicylists, location of the street with direct access to serveral commercial establishments, it is recommended to post a speed limit on this segment of Avenida Pico at 35 MPH.

OBSERVED BY:	Mike Alm

Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019

TOTAL NUMBER OF VEHICLES = 204



VEHICLES SURVEYED

WESTBOUND

SPEED

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0%

CUML.

%

100%

DATE OF SURVEY: 1/9/14 TIME START: 9:35 AM TIME STOP: 10:05 AM DAY OF WEEK: Thursday WEATHER: LOCATION: **AVENIDA PICO** Calle De Los Molinos to Calle Frontera/Avenida Presidio ROAD CHARACTERISTICS: Width (ft): 102-134' Sidewalks/Driveways: On-Street Parking: No. of Lanes for Both Directions: Horizontal Alignment Design Speed: 45 MPH Crosswalks: Traffic Controls: Signalized at Los Molinos, I-5, High Vertical Alignment Design Speed: 45 MPH School Entrance/Exit and at Ave. Presidio **ROADWAY CONDITIONS:** Driveway Density: high Lateral Visibility: good Surface Condition: Ped.& Bicycle Activity: good high **AVERAGE DAILY TRAFFIC:** 34,000 SEGMENT LENGTH (ft): 3,500 **ACCIDENTS 3-YR TOTAL:** accidents per million 84 ACCIDENT RATE: 3.40 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.81 **EXISTING SPEED LIMIT:** 35 MPH APPROVED SPEED LIMIT: 35 MPH 85TH %: 32 MPH 22 - 31 MPH 10 MPH PACE: 50TH %: 27 MPH % IN PACE: 72% MPH 15TH %: 22 % OVER PACE: 23% 28 MPH 4% AVERAGE SPEED: % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS: Based on the high volume of pedestrians and bicylists, the street's direct access to San Clemente high school and commercial establishments, it is recommended to post a speed limit on this segment of Avenida Pico at 35 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

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0% 10	63	100% 100%	100	1009	1009	100% 100%	100% 100%																					0%	1009

PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019



VEHICLES SURVEYED

WESTBOUND

SPEED

64 63

62

61

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL 0% 100%

> 0% 100%

> 0% 100%

0% 100%

CUML.

%

100% 0%

DATE OF SURVEY: 1/9/14 TIME START: 10:10 AM TIME STOP: 11:00 AM DAY OF WEEK: Thursday WEATHER: LOCATION: **AVENIDA PICO** Calle Frontera / Avenida Presidio to Calle Amanecer ROAD CHARACTERISTICS: Width (ft): 102 Sidewalks/Driveways: No. of Lanes for Both Directions: On-Street Parking: 6 Horizontal Alignment Design Speed: 55 MPH Crosswalks: yes Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic signals at Ave. Presidio, CI Del Cerro, and Cl Amanecer **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: low good Surface Condition: Ped.& Bicycle Activity: high good AVERAGE DAILY TRAFFIC: 37.000 SEGMENT LENGTH (ft): 3,500 **ACCIDENTS 3-YR TOTAL:** accidents per million 17 ACCIDENT RATE: 0.63 (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: vehicles miles **EXISTING SPEED LIMIT:** 45 MPH APPROVED SPEED LIMIT: 45 MPH 85TH %: MPH 49 10 MPH PACE: 41 - 50 MPH 50TH %: 43 MPH % IN PACE: 68% 15TH %: 38 MPH % OVER PACE: 12% 20% AVERAGE SPEED: 45 MPH % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS: Based on geometric design of the street with on-street bicycle lane, access to San Clemente High School and shopping center, it is recommended to post a speed limit on this segment of Avenida Pico at 45 MPH. **OBSERVED BY:** Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

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16																						0%	09
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27													-									0%	09
28	H												-									0% 0%	09
29	H												Х									0%	19
30													1.									0%	19
31													Х									0%	19
32	L																					0%	19
33																						0%	19
34	Х												х									1%	29
35	х												х									1%	3
36	Х												х	X	X							2%	5
37	х	Х	Х	Х									х									2%	8'
38	х	Х	Х	Х	Х										Х							4%	12
39	Х	Х	Х	Х	Х	Х							х	Х	Х	Х	Х					5%	17
10		X		Ė	Ė	Ė	Ė	Ħ							X		i	i	i			2%	20
 11				X											X					i		7%	26
12								X		i	-	-							Х	х		8%	34
13								X			х	х			Х							9%	43
14	х	х	х	х	х	х	х	X	х				x	х	х	х	х	х	х	х	х	9%	52
45	х	Х	Х	Х	Х								х	Х	Х	Х	Х	Х	х	Х	Х	7%	599
16	х	х	Х	Х	Х	Х	Х						х	Х	х	Х	Х	х	х	х	Х	8%	669
47		Х			ľ										Х							5%	719
18				X											X		Х	х	х			6%	78
49				X									_		x		^	^	^	^	^	4%	819
50		x											_			v	v	v	Х	v	v	6%	88
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PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/9/14 TIME START: 11:05 AM TIME STOP: 11:40 AM
DAY OF WEEK: Thursday WEATHER: Clear

SPEED	VEHIC	LES SURVEYED	% OF	CUML.					
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION:	AVENIDA PICO)		
65			0%	100%		Calle Amanece	r to Avenida	La Pata	
64			0%	100%					
63			0%	100%	ROAD CHARACTER	ISTICS:			
62			0%	100%		Width (ft)	: 102	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes	for Both Directions		On-Street Parking:	
60			0%	100%	Horizontal Alignn	ment Design Speed	55 MPH	Crosswalks:	
59			0%	100%	Vertical Alignn	nent Design Speed	: 45 MPH	Traffic Controls:	Signalized at Calle Amanecer at
58	X		0%	100%					Ave. Pico
57	X		0%	100%					
56			0%	99%	ROADWAY CONDIT	IONS:			
55			0%	99%		Lateral Visibility	: good	Driveway Density:	low
54	хх		1%	99%		Surface Condition		Ped.& Bicycle Activity:	
	хх		1%	98%			3000		
	хх		1%	97%					
	X		0%	96%	AVERAGE DAILY TR	RAFFIC:	24,000	SEGMENT LENGTH (ft):	3.550
	X	l x	1%	96%			,000		
	XXXXX		2%	95%					
	XXXX	ХX	3%	92%					
47	XXXXX	x	3%	89%	ACCIDENTS 3-YR TO	OTAL:	37	ACCIDENT RATE:	
46	x x x x x x x x	xxx	5%	86%	(1/1/2011 - 12/31/201	13)		Avg. Accident Rate in District 12:	1.81 vehicles miles
45	XXX	xxx	3%	81%					
44	XXXX	xxx	4%	78%	EXISTING SPEED LI	IMIT:	45 MPH	APPROVED SPEED LIMIT:	45 MPH
43	xxxxx	xxxx	5%	74%					
	XXXXXX	x x	4%	69%					
	xxxxx	xxx	4%	65% *					
	xxxx	xxxx	4%	61% *	85TH %:	45	MPH	10 MPH PACE:	32 - 41 MPH
39	XXXXX	xxx	4%	56% *	•				
38	XXXXX	xxxxx	5%	52% P	50TH %:	37	MPH	% IN PACE:	48%
37	XXXXX	xxxxx	6%	47% A					
	x x	xxxxx	3%	41% C	15TH %:	30	MPH	% OVER PACE:	35%
35	XXX	xxxxx	4%	38% E					
34	ХX	xxx	2%	33% *	AVERAGE SPEED:	38	MPH	% UNDER PACE:	17%
33	X	x x x x x x x x x x x x x	7%	31% *					
32	x x x x x x x	xxxxxxx	7%	24% *					
31	X	хх	1%	17%	COMMENTS AND/O	R RECOMMENDA	TIONS:		
30	X X	x x x x x x x x	5%	16%					
29		x x x x x x x	3%	11%	Based on the design	gn of the street a	nd the speed	survey, it is recommended to p	ost a speed limit on
28	Х	xxx	2%	7%	this segment of Av	enida Pico at 45	MPH.		
27		x	0%	5%					
	ХX	x x	2%	5%					
25	х		0%	3%					
	X	x x	1%	2%					
23			0%	1%					
22		x	0%	1%	OBSERVED BY:	Mike Almir, Trans	portation Studi	ies, Inc. STUDY PREPARED BY:	Jane Mrotek
21			0%	0%					
20		X	0%	0%					
19			0%	0%	RECOMMENDATION	N APPROVED BY:	Thomas Fra	ank, P.E.	
18			0%	0%	1				
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, S	SURVEY EXPIRES:	1/9/2019		
15		 	0%	0%					



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/9/14 TIME START: 11:45 AM TIME STOP: 12:17 PM

DAY OF WEEK: Thursday WEATHER: Overcast

SPEED	VEHICL	ES SURVEYED		CUML.						
(MPH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	100	ATION:	AVENIDA PICO			
65	2.0.200.0		0%	100%		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Avenida La Pata	to Avenida	Vista Hormosa	
			0%	100%			Averilua La Fala	to Averlida	vista i leitilosa	
64 63			0%	100%	PO/	AD CHARACTER	ISTICS.			
62			0%	100%	KO.	AD CHARACTER	Width (ft):	102	Sidewalks/Driveways:	yes
61			0%	100%		No of Lanes	for Both Directions:	6	On-Street Parking:	
60	x		0%	100%			nent Design Speed:	65 MPH	Crosswalks:	
59			0%	100%			nent Design Speed:	65 MPH		Signalized at Ave La Pata and at
58			0%	100%		v or troat 7 ting. In	Doorgin opcour	00 1111 11	Tame control	Ave Vista Hermosa
57			0%	100%						7.100 1.101
56	х	xxx	2%	100%	ROA	ADWAY CONDIT	IONS:			
55	х	x	1%	98%			Lateral Visibility:	good	Driveway Density:	low
54	xxxx	x	2%	97%			Surface Condition:	good	Ped.& Bicycle Activity:	
53	xxx	хх	2%	94%				9		
52	XXXXXXX	xxxx	6%	92%	*					
51	xxx	xxx	3%	86%	* AVE	RAGE DAILY TR	RAFFIC:	14,000	SEGMENT LENGTH (ft):	2.880
50	XXXX	xxxxxx	5%	83%	*			,	,	
49	xxxxxxxx	xxxxx	7%	78%	Р					
48	X X X X X X X	XXXX	5%	71%	Α					
47	X X X X X X X X X	xxxxx	7%		_	IDENTS 3-YR TO	-	7	ACCIDENT RATE:	
46	X X X X X X X X X	XXX	6%		E (1/1/	/2011 - 12/31/201	3)		Avg. Accident Rate in District 12:	1.81 vehicles miles
45	XXXXX	xxxxxxxxx	7%	52%	*					
44	x x x x x x x x	x x x x x x x x	9%	44%	* EXIS	STING SPEED LI	MIT:	50 MPH	APPROVED SPEED LIMIT:	50 MPH
43	XXXXX	XXXXX	5%	36%	*					
42	XXXX	xxxxx	5%	31%						
41	ХX	xxxxx	3%	26%				_		
40	XXXX	xxxxx	5%	22%	85T	H %:	51	MPH	10 MPH PACE:	43 - 52 MPH
39	XXXX	XXXXX	4%	18%						2404
38	XXXXX	XXX	4% 3%	13% 9%	5011	H %:	44	MPH	% IN PACE:	61%
37 36	X	XXXXX	1%	5%	457	ш о/ .	20	MDII	% OVER BACE.	8%
35	x	X X	1%	4%	1511	H %:	38	MPH	% OVER PACE:	0%
34	XX	XX	2%	3%	AVE	RAGE SPEED:	45	MPH	% UNDER PACE:	31%
33	^ ^	XX	1%	1%	^*-	INAGE OF EED.		IVII I I	% ONDER I AGE.	0170
32		- <u>^ ^ </u>	0%	0%						
31	x		0%	0%	CON	MENTS AND/O	R RECOMMENDATI	ONS:		
30			0%	0%						
29			0%	0%	Bas	ed on the aeon	netric desian of the	e street and	the speed survey, it is recomm	ended to post a
28			0%	0%			segment of Avenic			
27			0%	0%	Spo	011 1110		at at at	- ••	
26			0%	0%						
25			0%	0%						
24			0%	0%						
23			0%	0%						
22			0%	0%	OBS	SERVED BY:	Mike Almir, Transp	ortation Studio	es, Inc. STUDY PREPARED BY	Jane Mrotek
21			0%	0%						
20			0% 0%	0% 0%	DEC	OMMENDATION	APPROVED BY:	Ть	wh D.E.	
19			0%	0%	KEC	OWNENDATION	APPROVED BI.	rnomas Fra	INK, P.E.	
18 17			0%	0%						
16			0%		DED	C V C 40000 0	HIDVEY EVDIDED	1/0/2010		
			0%	0% 0%	PER	. C.V.C. 40802, S	URVEY EXPIRES:	1/9/2019		
15 T	TAL NUMBER OF VEHICLE	S = 205	100%	3 70						
	OTAL NUMBER OF VEHICLE	3 - 200	100%							



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/9/14 TIME START: 12:22 PM TIME STOP: 1:00 PM
DAY OF WEEK: Thursday WEATHER: Overcast

EED	VEHIC	LES SURVEYED		CUML.					
PH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	LOCATION: AVENIE	A PICC	1		
	EAGIBOOKD	1123100010						act City Limit	
5			0% 0%	100% 100%	Avenida	vista H	emiosa to E	ast City Limit	
4			0%	100%	DOAD QUADACTERISTICS				
3			0%	100%	ROAD CHARACTERISTICS:	/:- 4 - / 4 4\.	100	Cidentally /Daines	
2			0%	100%		idth (ft):	102	Sidewalks/Driveways	
1	xx		1%	100%	No. of Lanes for Both D		2 - 6	On-Street Parking	
9	^ ^		0%	99%	Horizontal Alignment Desig Vertical Alignment Desig			Crosswalks	: yes : Traffic signals at Ave Vista
8	x		1%	99%	Vertical Alignment Desig	opeeu.	03 IVIFTT	Trailic Controls	Hermosa, Cl Alicante, and
7	^	v	1%	99%					Celosia.
6	x	Î	1%	98%	ROADWAY CONDITIONS:				Celosia.
5	x	XX	2%	97%		/isibility:	good	Driveway Density	: low
	^	X	1%	96%		,			
1					Surface 0	ondition	good	Ped.& Bicycle Activity	:low
	XX	XXX	3%	95% 93%					
2	XXXX	XX	3% 4%	93%	AVERAGE DAILY TRAFFIG		0.000	SECMENT LENGTH (**)	F 140
	XX	XXXXX	4%	86%	AVERAGE DAILY TRAFFIC:		8,000	SEGMENT LENGTH (ft)	5,149
)	x x	XXXXXX	4%	83%					
3	X	X X X X X X X X X X X X X X X X X X X	6%	79%					
	x	XX	5%	73% *	ACCIDENTS 3-YR TOTAL:		5	ACCIDENT RATE	0.59 accidents per million
	XXXX	XXXXXX	5%	69% P	(1/1/2011 - 12/31/2013)			Avg. Accident Rate in District 12	
-	XXXXXXXXXX	XXX	7%	64% A	(1/1/2011 12/01/2010)			7.vg. / tooldent reate in District 12	1.01
	XXXXX	XXXXXX	_		EXISTING SPEED LIMIT:		50 MPH	APPROVED SPEED LIMIT	50 MPH
			6% 6%		EXISTING SPEED LIMIT.		30 WIFTT	APPROVED SPEED LIMIT	JO WIFTI
	XXXXXX	XXXXX	8%	52% E 46% *					
	XXXXXXXX	XXXXXX	8%	39% *					
	XXXXXX	XXXXXXXXX	6%	31% *	85TH %: 4		MPH	10 MPH PACE:	40 40 MPU
	XXXXXX	XXXX	4%	25%	85TH %: 4	,	INIPH	10 MPH PACE:	40 - 49 MPH
	X	XXX	5%	22%	50TH %: 4	,	MPH	% IN PACE:	58%
	XX	^^^	1%	17%	501H %: 4	-	IVIFI	% IN PACE:	30%
	XXX	xxx	3%	16%	15TH %: 3	:	MPH	% OVER PACE:	18%
	XXXXX	^^^	3%	13%	13111 76.	,	IVIFII	% OVER FACE.	1078
1	XXX		2%	10%	AVERAGE SPEED: 43		MPH	% UNDER PACE:	25%
3	^ ^ ^	xx	1%	9%	AVERAGE OF EED:		IVII I I	70 ONDER 1 AGE.	2070
2	x	x	1%	8%					
	ХX	x	2%	7%	COMMENTS AND/OR RECOM	ΙΕΝDΔΤ	IONS:		
)	X	XXX	2%	5%	John Merchant Comment		.0.10.		
,		1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0%	3%	Based on the geometric des	an of th	e street and	the speed survey, it is recomm	ended to post a
		xx	1%	3%	_	-			icrided to post a
	хх	 	1%	2%	speed limit on this segment	n Aven	iua Fico al 3	O IVII I I.	
;		x	1%	1%					
5		x	1%	1%					
ı		 	0%	0%					
3			0%	0%					
2			0%	0%	OBSERVED BY: Mike Alm	r, Transı	ortation Studi	es, Inc. STUDY PREPARED BY	: Jane Mrotek
			0%	0%					
)			0%	0%					
1			0%	0%	RECOMMENDATION APPROV	ED BY:	Thomas Fra	ank, P.E.	
			0%	0%					
			0%	0%					
			0%	0%	PER C.V.C. 40802, SURVEY EX	PIRES:	1/9/2019		
		 	0%	0%					
					1				



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/14/14 TIME START: 10:05 AM TIME STOP: 11:00 AM

DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICL	ES SURVEYED	CL	CUML.					
(MPH)	EASTBOUND	WESTBOUND	% OF TOTAL	%	LOCATION: PO	ORTICO DEI	NORTE / PO	RTICO DEL SUR	
65				100%	C	amino De Lo	s Mares west t	o Camino De Los Mares east	
64			0% 10	100%					
63				100%	ROAD CHARACTERIST	CS:			
62				100%		Width (ft		Sidewalks/Driveways:	yes
61				100%	No. of Lanes for	Both Directions		On-Street Parking:	yes (limited)
60				100%	Horizontal Alignmen	0 1		Crosswalks:	yes
59				100%	Vertical Alignmen	Design Speed	d: <u>35 MPH</u>	Traffic Controls:	Signalized at Cam. De Los Mare
58				100%					(east)
57 56				100%	ROADWAY CONDITION	٠.			
55				100%	I .	ɔ: ₋ateral Visibilit	v: limited	Driveway Density:	low
54				100% 100%	St	rface Conditio	n: good	Ped.& Bicycle Activity:	low
53 52				100%					
52 51		 		100%	AVERAGE DAILY TRAF	FIC:	500	SEGMENT LENGTH (ft):	5.450
50		, , , , , , , , , , , , , , , , , , , 		100%	ATENAGE DAIET INAL			OLOMENT LENGTH (II).	5, 100
49		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		100%					
48			0% 10	100%					accidents per million
47	X			100%	ACCIDENTS 3-YR TOTA	L:	2	ACCIDENT RATE:	3.54 vohiclos milos
46	X	X		99%	(1/1/2011 - 12/31/2013)			Avg. Accident Rate in District 12:	1.32 Verlicies filles
45				97%	EVICTING OPERS : ::::		05.1451	4 DDD 61/5D 6D555 :	OF MEN
44	xxxx			97% 97%	EXISTING SPEED LIMIT	:	35 MPH	APPROVED SPEED LIMIT:	35 IVIPH
	XXXX			92%					
	XXX	x		89%					
	XXX	x		85%	85TH %:	40	MPH	10 MPH PACE:	30 - 39 MPH
	XXXXX	XXXXXX		81% *	JUL 701				25 00 1411 11
	XXXX	xxx		70% *	50TH %:	35	MPH	% IN PACE:	77%
	XXXX	xxxx		63% *					
	XXXX	xxxx		55% P	15TH %:	30	MPH	% OVER PACE:	19%
	XX	XXXX		47% A					-
	XXX	XXXX		40% C	AVERAGE SPEED:	36	MPH	% UNDER PACE:	4%
	XXXX	XXXXX		33% E 24% *					
	X X X X	XXXX		18% *	COMMENTS AND/OR R	ECOMMEND A	TIONS:		
	XXX	XXXX		11% *	COMMENTS AND/OR K	ECOMINENDA	TIONS:		
29	X	x	2%	4%	Based on the street as	ometric desi	an the street l	ocation within a residental neighl	horhood and a high
28		x	1%	2%			•	imit on this segment of Portico [9
27		x	1%	1%	MPH.	เอเนอน เบ	post a speed	minit on this segment of Fortico L	JOI GUI/NOITE AL 33
26			0%	0%	IVIT' [].				
25			0%	0%					
24			0%	0%					
23			0%	0%	OBSERVED BY: M	lea Almain Torre	amantation Otto:	STUDY DREDARED BY	Laura Mantala
22			0% 0%	0% 0%	OBSEKVED BI: W	ke Almir, Tran	sportation Studio	es, Inc. STUDY PREPARED BY:	Jane Mrotek
21 20			0%	0%					
20 19		 	0%	0%	RECOMMENDATION AF	PROVED BY-	Thomas Fra	nk P.F	
18		 	0%	0%			THUIHAS FIA	HK, I .L.	
17		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0%	0%					
16		 	0%	0%	PER C.V.C. 40802, SUR	VEY EXPIRES	- 1/14/2019		
15		 	0%	0%	. EN 3.1.3. 40002, 30N	: EXI INEC	1/1-/2013		
	OTAL NUMBER OF VEHICLE	S = 100	100%						
			1 7 / 9						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/21/14 TIME START: 3:00 PM TIME STOP: 4:00 PM

DAY OF WEEK: Tuesday WEATHER: Clear

I	V=:ua: ==	OUDVEVED	1	DAT OF WEER: Tuesday WEATHER: Clear
ED _		SURVEYED	% OF CUML.	AVENUE A DEL EDECUENTE
H)	NORTHBOUND	SOUTHBOUND	TOTAL %	LOCATION: AVENIDA DEL PRESIDENTE
			0% 100%	Avenida Valencia to Avenida Califia
H			0% 100%	ROAD CHARACTERISTICS:
			0% 100%	
			0% 100%	Width (ft): 32 Sidewalks/Driveways: yes No. of Lanes for Both Directions: 2 On-Street Parking: yes (limited)
			0% 100%	
			0% 100%	Horizontal Alignment Design Speed: 35 MPH Crosswalks: yes Vertical Alignment Design Speed: 40 MPH Traffic Controls: 11 stops on the side streets fro
			0% 100%	Avenida Valencia to Avenida
			0% 100%	Califia.
Н			0% 100%	ROADWAY CONDITIONS:
			0% 100%	Lateral Visibility: good Driveway Density: medium
			0% 100%	
			0% 100%	Surface Condition: good Ped.& Bicycle Activity: medium
			0% 100%	
Н			0% 100%	AVERAGE DAILY TRAFFIC: 1,350 SEGMENT LENGTH (ft): 4,000
Н			0% 100%	AVERAGE PAIL I TRAITIO. 1,550
Н			0% 100%	
Н			0% 100%	
П			0% 100%	ACCIDENTS 3-YR TOTAL: 4 ACCIDENT RATE: 3.57 accidents per million
			0% 100%	(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
			0% 100%	(
			0% 100%	EXISTING SPEED LIMIT: 30 MPH APPROVED SPEED LIMIT: 30 MPH
			0% 100%	2.40 me of 225 2 mm in
х			1% 100%	
x			1% 100%	
x		хх	2% 99%	85TH %: 35 MPH 10 MPH PACE : 27 - 36 MPH
Ė		XX	1% 98%	
х	XXX	XXX	4% 97%	50TH %: 31 MPH % IN PACE: 82%
	XXX	xxx	4% 93%	
	xxxxxxx	xxxxxxx	9% 90%	15TH %: 27 MPH % OVER PACE: 11%
	XXXXX	xxxxxx	7% 81%	
х	xxxxxxxxxxxxxx	x x x x x x x x x	12% 75%	AVERAGE SPEED: 32 MPH % UNDER PACE: 8%
х	XXXX	x x x x x x x x	7% 63%	
х	XXXXXXX	x x x x x x x x x	9% 56%	
Х	x x x x x x x x x x	x x x x x x x x x x x	11% 47%	
	x x x x x x x	x x x x x x x	8% 36%	
	XXXXXX	X X X X X X	8% 29%	Based on the high density of driveways fronting the street, narrow street width, high volume of
	XXXXX	x x x x x x x x x	8% 21%	bicyclists, and school route to Concordia Elementary school, it is recommended to post a speed limit on
Х	XXXXX	XXXXX	6% 13%	Avenida Del Presidente at 30 MPH.
Х		XXXX	3% 8%	
H		XXXX	2% 5%	
Х		X	1% 3%	
		X	1% 2% 1% 2%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
X	X		1% 2% 0% 1%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
x			1% 1%	
X			1% 1% 0% 0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
Н			0% 0%	THOMAS FIGURE BT. THOMAS FIGURE, P.E.
Н			0% 0%	
Н				DED C.V.C. 40000 CUDVEY EXPIDES: 4/04/0040
Ш			0% 0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/21/2019
$\perp \perp$	AL NUMBER OF VEHICLES =		0% 0% 100%	



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/21/14 TIME START: 12:45 PM TIME STOP: 1:45 PM

DAY OF WEEK: Tuesday WEATHER: Clear

ODEES	VELIC	I EO OLIDVEVED	T T				OF WEEK: Tuesday	WEATHER:	Clear	
SPEED		LES SURVEYED	% OF CUMI		AVENUDA DEL	DDEOIDE: T	_			
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL %		AVENIDA DEL					
65			0% 100		Avenida Califia	to Cristianitos	s Road			
64			0% 100							
63			0% 100							
62			0% 100		Width (ft):			ks/Driveways:	yes	
61			0% 100		s for Both Directions:		On-S	treet Parking:	yes (limite	ed)
60			0% 100		ment Design Speed:		_	Crosswalks:	yes	
59			0% 100		ment Design Speed:	40 MPH	Ira		11 stops from Av	enida Valencia to
58			0% 100						Avenida Califia.	
57			0% 100		10110					
56			0% 100							
55			0% 100		Lateral Visibility:			eway Density:		
54			0% 100		Surface Condition	:good	Ped.& Bi	cycle Activity:	medium	
53			0% 100							
52			0% 100							
51			0% 100		RAFFIC:	3,500	SEGMENT	LENGTH (ft):	5,500	
50			0% 100							
49			0% 100							
48			0% 100		OTAL					
47			0% 100		-	12		DENT RATE:	0.01	ents per million
46			0% 100	(::::==::::===	13)		Avg. Accident Rate	in District 12:	1.32 vehicl	es miles
45			0% 100	00%						
44			0% 100	00% EXISTING SPEED L	.IMIT:	30 MPH	APPROVED S	PEED LIMIT:	30 MPH	
43			0% 100	00%						
42			0% 100	00%						
41			0% 100	00%						
40			0% 100	00% 85TH %:	30	MPH	10 MPH PA	CE:	23 - 32 MPH	ł
39		x	0% 100	00%						
38			0% 100	00% 50TH %:	27	MPH	% IN PACE	:	79%	
37			0% 100	00%						
36		xx	1% 100	00% 15TH %:	22	MPH	% OVER PA	ACE:	6%	
35			0% 999	99%						
34		xxxxx	3% 999	99% AVERAGE SPEED:	27	MPH	% UNDER I	PACE:	14%	
33		XXXX	2% 96'	96%						
32	XXXXX	xxxxxxxx	7% 94	94% *						
31	XXXXX	xxxxxxxxxxx	9% 86	* COMMENTS AND/C	R RECOMMENDAT	IONS:				
30	x x x x x x x	xxxxxxxxxx	9% 78'	78% *						
29	x x x x x x x x	x x x x x x x x x x x	10% 69	Based on the high	density of drivewa	ays fronting th	ne street, narrow stre	et width, hig	h volume of	
28	x x x x x x x x	xxxxxxxxxxxx	14% 59				ary school, it is reco			mit on
27	x x x x x x x	xxxxx		16% C Avenida Del Presi		=101110111	, 55551, 10 15 1500		- 20. a opood II	
26	x x x x x x x	xxxxx		10% E	acino ai ou ivii 11.					
25	x x x x x x x x x x	xxxxx	8% 33'							
24	x x x x x x	xxxx	5% 25'							
23	x x x x x x x	xxxx	5% 20'		-			-		
22	XXX			OBSERVED BY:	Mike Almir, Trans	portation Studi	es, Inc. STUDY PR	EPARED BY:	Jane Mrotek	
21	x x x x x x x	X		13%						
20	x x x x x x x		3% 9'	9%						
19	XXX			6% RECOMMENDATIO	N APPROVED BY:	Thomas Fra	ank, P.E.			
18	XXXX	хх	3% 4'	4%						
17	X		0% 1	1%						
16		хх	1% 1	1% PER C.V.C. 40802,	SURVEY EXPIRES:	1/21/2019				
15		~~~		0%						
	OTAL NUMBER OF VEHICL	FS = 207	100%							
	J TOMBER OF VEHICL		.00,0							



VEHICLES SURVEYED near 404 Avenida Presidio

WESTBOUND

SPEED

(MPH)

65

64

63

62

61

60

59

58

57

56 55

54

53

52

51

50

49

48

47

46

45

44

43

42

41

40

39

38

37

36

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24 23

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17 16

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X X X

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X X X

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X X X

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X X X X X

X X X X X X

XXXXXX

x x x x x x

TOTAL NUMBER OF VEHICLES = 103

X X X X X

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

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5%

9%

6%

9%

11%

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10%

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3%

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100%

100%

100%

100%

100%

100%

100%

99%

97%

94%

94%

90%

82%

71%

66%

57%

51%

43%

32%

25%

16%

10%

6%

3%

3%

3%

2%

0%

DATE OF SURVEY: 3/25/14 TIME START: 12:30 PM TIME STOP: 1:45 PM

DAY OF WEEK: Tuesday WEATHER: Clear LOCATION: **AVENIDA PRESIDIO** El Camino Real to Calle Escuela **ROAD CHARACTERISTICS:** Width (ft): 40-64 Sidewalks/Driveways: 2-4 On-Street Parking: No. of Lanes for Both Directions: yes Horizontal Alignment Design Speed: 30 MPH Crosswalks: yes Vertical Alignment Design Speed: 25 MPH Traffic Controls: Traffic signals at El Camino Real and I-5 fwy. Stop signs at 23 intersections. **ROADWAY CONDITIONS:** Lateral Visibility: limited Driveway Density: high Surface Condition: Ped.& Bicycle Activity: medium aood AVERAGE DAILY TRAFFIC: 7,800 SEGMENT LENGTH (ft): 8,976 accidents per million **ACCIDENTS 3-YR TOTAL:** ACCIDENT RATE: 26 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: **EXISTING SPEED LIMIT:** 25 MPH APPROVED SPEED LIMIT: 25 MPH 85TH %: 31 MPH 10 MPH PACE: 23 - 32 MPH 50TH %: 26 MPH % IN PACE: 81% 15TH %: MPH 23 % OVER PACE: 10% **AVERAGE SPEED:** MPH 10% 28 % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS: Based on geometric design of the street, the high density of residential driveways directly fronting the street, and the limited sight distance, it is recommended to post a speed limit on this segment of Avenida Presidio at 25 MPH. **OBSERVED BY:** Edell Braucksiek, Transportation Studies, I STUDY PREPARED BY: Jane Mrotek

PER C.V.C. 40802, SURVEY EXPIRES: 3/25/2019

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

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SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 3/24/14 TIME START: 11:50 AM TIME STOP: 12:30 PM DAY OF WEEK: Monday WEATHER: Cloudy

6/17/2014

EED	VEHICLES SURVEYE	D (btw CI Escuella to CI Miguel)	% OF CUML.						
IPH)	EASTBOUND	WESTBOUND	TOTAL %	LOCATION:	AVENIDA PRI	ESIDIO			
3 5			0% 100%		Calle Escuela	to Avenida Pico	0		
64			0% 100%						
33			0% 100%	ROAD CHARACTERIS	TICS:				
52			0% 100%	TO THE STITLE TEXTS	Width (f	t): 40	Sidewalks/Driveways	: yes	
- 31			0% 100%	No. of Lanes fo	or Both Direction		On-Street Parking		
60			0% 100%	Horizontal Alignme			Crosswalks		
59			0% 100%	Vertical Alignme				: Traffic signal light at Ave Pico.	
58			0% 100%	Vortical 7 mg/m/le	nii Dooigii Opoo	u	Traine Controle	Tranic digital light at 7 to 1 loc.	
57			0% 100%						
56			0% 100%	ROADWAY CONDITIO	NS:				_
55			0% 100%		Lateral Visibilit	ty: limited	Driveway Density	r medium	
54			0% 100%		Surface Condition		Ped.& Bicycle Activity		
53			0% 100%	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Surface Coriditio	Jii. good	red.& Bicycle Activity		
52			0% 100%						
51			0% 100%	AVERAGE DAILY TRA	EEIC.	5,800	SEGMENT LENGTH (ft)	. 1745	
50			0% 100%	AVERAGE DAIET TRA	1110.	3,000	SEGMENT LENGTH (II)	1,745	
19			0% 100%						
18			0% 100%						
17			0% 100%	ACCIDENTS 3-YR TOT	ΓAL:	6	ACCIDENT RATE	: 2.86 accidents per million	
16			0% 100%	(1/1/2011 - 12/31/2013)			Avg. Accident Rate in District 12		
15			0% 100%	("""="""=""""""""""""""""""""""""""""""	,		7.1.g. 7.100.100.11. 1.101.11. 1.2.11.101. 1.2		
14			0% 100%	EXISTING SPEED LIM	IT:	25 MPH	APPROVED SPEED LIMIT	: 25 MPH	
13			0% 100%						
12			0% 100%						
1 1			0% 100%						
10			0% 100%	85TH %:	30	MPH	10 MPH PACE:	23 - 32 MPH	
39			0% 100%						
38			0% 100%	50TH %:	26	MPH	% IN PACE:	89%	
37			0% 100%	_					
36			0% 100%	15TH %:	23	MPH	% OVER PACE:	6%	
35	X	X	2% 100%						
34	X	X	2% 98%	AVERAGE SPEED:	27	MPH	% UNDER PACE:	5%	
33	X X	X	3% 96%						
32	XXXX	x x	5% 94% *						
31	XXX	XXX	5% 89% *	COMMENTS AND/OR	RECOMMENDA	ATIONS:			
30	X X X X X X X X X	xxx	11% 83% *						
29	XXXX	XXX	6% 73% P				ne of sight distance, high pedes		
28	X X X X X X X X X	XXXXXX	14% 67% A	of San Clemente high	h school and s	shopping center	driveways fronting the street,	it is recommended to	
27	XXXXX	xxxxxxxx	13% 53% C	post a speed limit on	this segment	of Avenida Pre	sidio at 25 MPH.		
	XXXXX	xxxxxxxx	12% 39% E	1 ' '	J				
	XXXXX	XXXXX	11% 27% *						
24	XX	XXXX	5% 17% *						_
23	XXXX	XXX	6% 11% *	OBSERVED BY:	Edell Bernelode	. T	Out to LETIDY PREDARED BY		
22	v v	X	1% 5%	OBSERVED BY:	Edeli Brauckslei	k, Transportation	Studies, I STUDY PREPARED BY	Jane Mrotek	
21 20	XX	X	3% 4% 2% 2%						
	XX		0% 0%	DECOMMENDATION (ADDDOVED BY	· Thomas Fra	ak D.E		
19			0% 0%	RECOMMENDATION A	AF FROVED BY	- Inomas Fra	IIK, F.E.		
18 17			0% 0%						
				n=n a v a vasta a	D./E./ E./DIS = 4	0/04/0040			
16			0% 0%	PER C.V.C. 40802, SU	KVEY EXPIRES	3 : 3/24/2019			
15			0% 0%						
T	OTAL NUMBER OF VEHICL	ES = 114	100%						_



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/13/14 TIME START: 12:35 PM TIME STOP: 1:35 PM

DAY OF WEEK: Monday WEATHER: Clear

SPEED	VEHI	CLES SURVEYED		CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	PUERTA DEL	SOL / AVENIDA	A VISTA HERMOSA	
65			0%	100%		Avenida Pico t	to Avenida Pico		
64			0%	100%					
63			0%	100%	ROAD CHARACTERI	STICS:			
62			0%	100%		Width (f	,	Sidewalks/Driveways:	
61			0%	100%		for Both Direction		On-Street Parking:	
60			0%	100%	Horizontal Alignm	0 1		Crosswalks:	
59 50			0% 0%	100%	Vertical Alignm	nent Design Spee	ed: 35 MPH	Traffic Controls:	Signalized at Avenida Vista Hermosa, and at Alicante
58 57			0%	100%					and at Alicante
56			0%	100%	ROADWAY CONDITI	ONS:			
55			0%	100%	KOADWAI CONDIII	Lateral Visibili	ty: good	Driveway Density:	medium
54			0%	100%		Surface Condition	,	Ped.& Bicycle Activity:	
53			0%	100%		Surface Condition	Jii. good	red.& Bicycle Activity.	Tilgit
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	2,000	SEGMENT LENGTH (ft):	2.500
50			0%	100%		-	,		,
49			0%	100%					
48			0%	100%					accidents per million
47			0%	100%	ACCIDENTS 3-YR TO		0	ACCIDENT RATE:	0.00 vehicles miles
46 45			0%	100%	(1/1/2011 - 12/31/201	3)			
45 44			0% 0%	100%	EXISTING SPEED LI	MIT.	30 MPH	APPROVED SPEED LIMIT:	20 MDH
43			0%	100%	EXISTING SPEED LI	WIII.	30 IVIFTI	AFFROVED SPEED LIMIT.	30 WIFT
42			0%	100%					
41			0%	100%					
40	X		1%	100%	85TH %:	31	MPH	10 MPH PACE:	24 - 33 MPH
39			0%	99%	<u> </u>				
38			0%	99%	50TH %:	28	MPH	% IN PACE:	83%
37	X	X	2%	99%					
36	v		0%	97% 97%	15TH %:	23	MPH	% OVER PACE:	5%
35 34	X	V	1% 1%	96%	AVERAGE SPEED:	28	MPH	% UNDER PACE:	12%
33	x	xxxxxx	7%	95% *	AVERAGE SPEED.		IVIFI	% UNDER PACE.	12 /0
32	XX	XXXXX	7%	88% *					
31	XXXXXX	xxxx	10%	81% *	COMMENTS AND/OF	RECOMMENDA	ATIONS:		
30	x x x x x x x	XXXXX	13%	71% P					
29	XXXXX	xxx	8%	58% A	Based the high volu	ume of pedestria	an, the street's lo	ocation within the proximity of V	/ista Del Mar
28	XXXX	XXXXX	9%	50% C				and the speed survey, it is red	
27	XXXXX	XXXX	9%	41% E				venida Vista Hermosa at 30 MI	
26	XXXXX	XX	7%	32% *		5			
25 24	X X X X X	XXXX	6% 7%	25% * 19% *					
23	XX	xx x	4%	12%					
22	^^	x x	1%	8%	OBSERVED BY:	Mike Almir, Tran	nsportation Studies	s, Inc. STUDY PREPARED BY:	Jane Mrotek
21	x	X	2%	7%		,, ridi	ortalion otadioc		Said Milotoit
20	ХX	x	3%	5%					
19			0%	2%	RECOMMENDATION	APPROVED BY	: Thomas Fran	k, P.E.	
18	X		1%	2%					
17		x	1%	1%					
16			0%	0%	PER C.V.C. 40802, S	URVEY EXPIRES	S : 1/13/2019		
15			0%	0%					
1	OTAL NUMBER OF VEHIC	LES = 100	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/10/14 TIME START: 2:15 PM TIME STOP: 3:00 PM

DAY OF WEEK: Friday WEATHER: Hazy

	MUFORNI	OI LED LIMIT ENOIS			DAY OF WEEK: Friday WEATHER: Hazy
SPEED		ES SURVEYED	% OF	CUML.	
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL	%	LOCATION: EL CAMINO REAL
65			0%	100%	Camino Capistrano to Avenida Estacion
64			0%	100%	1
63			0%	100%	ROAD CHARACTERISTICS:
62			0%	100%	Width (ft): 56-82 Sidewalks/Driveways: no
61			0%	100%	No. of Lanes for Both Directions: 2-3 On-Street Parking: yes
60	XX		1%	100%	Horizontal Alignment Design Speed:n/a Crosswalks:yes
59			0%	99%	Vertical Alignment Design Speed: n/a Traffic Controls: Signalized at Cam. Capistrano,
58	X X		1%	99%	and at Cam. San Clemente
57	X		0% 1%	98% 98%	POARWAY COURTINA
	XXX	W.W.			ROADWAY CONDITIONS:
55	ХX	x x	2%	96%	Lateral Visibility: good Driveway Density: low
54	X	X	1%	94%	Surface Condition: good Ped.& Bicycle Activity: medium
	XXXXXX	X	4%	93%	
	XX	X	1% 4%	89% 88%	AVERAGE DAILY TRAFFIC. 46,000 OF CHENT LENGTH (A): 5,540
	X X X X X X X X X X X X X X X X X X X	XX	4%	83%	AVERAGE DAILY TRAFFIC: 16,000 SEGMENT LENGTH (ft): 5,518
	XXXXX	XXXXXXX	6%		↑ .
	X X X X X X X	XXXXXXXXX	8%	73%	1 - 1
	XXXXXXXX	XXXXXXX	8%		P ACCIDENTS 3-YR TOTAL: 20 ACCIDENT RATE: 1.09 accidents per million
	XXXX	xxxxxxx	6%	57% A	A (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
45	x x x x x x x x x x x	xxxxxx	9%	51% C	
44	xxxxxxxxxx	xxxxxxxxx	10%	42% E	E EXISTING SPEED LIMIT: 45 MPH APPROVED SPEED LIMIT: 45 MPH
43	xxxx	xxxxxxxxx	7%	32% *	*
	XXXX	xxxxxxxxxx	7%	25% *	*
41	XXXXX	xxxx	5%	17% *	 -
40		xxx	1%	12%	85TH %: 50 MPH 10 MPH PACE : 41 - 50 MPH
39	X X	ХX	2%	11%	
38	X	xxx	2%	9%	50TH %: 45 MPH % IN PACE: 71% 71%
37	X	x	1%	7%	
36	ХX		1%	6%	15TH %: 40 MPH % OVER PACE: 17%
35		XX	1% 1%	5% 4%	AVERAGE SPEED: 46 MPH % UNDER PACE: 12%
34 33		XXX	1%	2%	AVERAGE SPEED: 46 MPH % UNDER PACE: 12%
33 32		\^^^	0%	1%	
31		Ŷ	0%	0%	COMMENTS AND/OR RECOMMENDATIONS:
30		<u> </u>	0%	0%	Commente And Children and Child
29		 	0%	0%	Based on geometric design of the street, high volume of bicyclists and Metrolink train station nearby,
28		 	0%	0%	it is recommended to post a speed limit on this segment of El Camino Real at 45 mph.
27			0%	0%	in a recommendate to post a speed min on the segment of El Summe recal at 40 mpm.
26			0%	0%	
25			0%	0%	
24			0%	0%	
23			0%	0%	
22			0%	0%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
21			0%	0%	
20			0% 0%	0% 0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
19			0%	0%	ALGOMINICIDATION AFFROVED B1. HIGHES FEATIN, F.E.
18 17			0%	0%	1 1
		+++++++++++++++++++++++++++++++++++++++		_	PED C V.C. 40002 SUDVEY EXPIDES: 1/40/2010
16			0% 0%	0% 0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/10/2019
15	OTAL NUMBER OF VEHICLES	2 202	100%	070	1 1
10	TAL NUMBER OF VEHICLES	5 = 202	100%		
					I .



VEHICLES SURVEYED

SPEED

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

CUML.

DATE OF SURVEY: 1/10/14 TIME START: 9:00 AM TIME STOP: 9:40 AM DAY OF WEEK: Friday WEATHER: Hazy LOCATION: EL CAMINO REAL Avenida Estacion to Calle De Los Molinos ROAD CHARACTERISTICS: Width (ft): Sidewalks/Driveways: 56 No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 40 MPH Crosswalks: Vertical Alignment Design Speed: 55 MPH Traffic Controls: Signalized at Ave. Pico, and at Los Molinos **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: medium good Surface Condition: Ped.& Bicycle Activity: high good AVERAGE DAILY TRAFFIC: 14,000 SEGMENT LENGTH (ft): 1,584 ACCIDENTS 3-YR TOTAL: accidents per million 19 ACCIDENT RATE: 4.13 Avg. Accident Rate in District 12: 3.97 vehicles miles (1/1/2011 - 12/31/2013) **EXISTING SPEED LIMIT:** 35 MPH APPROVED SPEED LIMIT: 35 MPH 85TH %: 35 MPH 10 MPH PACE: 25 - 34 MPH MPH 50TH %: 30 % IN PACE: 76% 15TH %: 26 MPH % OVER PACE: 18% **AVERAGE SPEED:** 31 MPH % UNDER PACE: 7% COMMENTS AND/OR RECOMMENDATIONS: Based on geometric design of the street, high volume of bicyclists, Metrolink nearby, high density of commercial business and the speed survey, it is recommended to post a speed limit on this segment of El Camino Real at 35 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E. PER C.V.C. 40802, SURVEY EXPIRES: 1/10/2019

SPEED										١	/E	HIC	LES	S١	JK	۷Ŀ	: Y	ΕI)									% O	F	CUML.
(MPH)					N	OR	łΤ	HE	30	UI	NE)						SC	υ	Tŀ	ΗВ	0	JN	ID				TOTA		%
65																												C)%	100%
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53	П																											C)%	100%
52	П																											C)%	100%
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48	П																											C)%	100%
47	х																											1	%	100%
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44																												0)%	100%
43	П)%	100%
42	х																												%	100%
41	х	х												х	х													2	2%	99%
40	х													х														1	%	97%
39	х																											1	%	96%
38	х	х	х											х	х													3	3%	96%
37	х														х	х	Х											3	3%	93%
36	х	Х	Х											х	Х	х	Х	Х	х									5	%	90%
35	х	Х	Х	х											х													3	3%	86%
34	х	Х	Х	х	Х	х	Х	х	х					х	х	х	Х	Х	х	Х								8	3%	83%
33	х	Х	Х	Х	Х	х	Х	х						Х	х	х	Х	Х	х	Х	х	х	х					9	9%	75%
32	х	Х	Х	х	Х	х	Х	х	х	Х	х	х		х	х	х	Х	Х	х									9	9%	66%
31	х	х	х	х	х	х	х	х						Х	х	х	х	х	х	х	х	х	х	х	х	х	Х	11	%	57%
30	х	х	Х	х	Х	Х	Х							Х	х	х	х	Х	х	Х	х	х	х	х				9	9%	46%
29	х	Х	Х	Х	Х	х	Х							х	х	х	Х	Х	х	Х	х	х	х	Х				9	9%	37%
28	х	Х	Х	х	Х	х	Х	х													х							9	9%	28%
27	х	Х	X	Х	X	х								Х														4	1%	19%
26	х	Х	X	Х	X									Х	X	Х	Χ	Х	Х									6	8%	16%
25	х	Х												х	х	х	Х	Х										4	1%	10%
24	х	Х	Х	Х	Х									Х	х													4	%	7%
23	х													Х														1	%	3%
22	х	Х																										1	%	2%
21	П																											C)%	1%
20	П																											C)%	1%
19	Х																											1	%	1%
18																												C)%	1%
17	Х																											1	%	1%
16																												()%	0%
15	Н)%	0%



NORTHBOUND

VEHICLES SURVEYED

SOUTHBOUND

SPEED

65

64

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

CUML.

%

100%

DATE OF SURVEY: 1/10/14 TIME START: 9:45 AM TIME STOP: 10:30 AM DAY OF WEEK: Friday **WEATHER:** Hazy LOCATION: EL CAMINO REAL Calle De Los Molinos to El Portal ROAD CHARACTERISTICS: Width (ft): 56 Sidewalks/Driveways: No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 40 MPH Crosswalks: Vertical Alignment Design Speed: 55 MPH Traffic Controls: Signalized at Los Molinos and at El Portal **ROADWAY CONDITIONS:** Driveway Density: Lateral Visibility: high good Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 15,500 SEGMENT LENGTH (ft): 2,377 ACCIDENTS 3-YR TOTAL: accidents per million 24 ACCIDENT RATE: 3.14 (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 3.97 vehicles miles EXISTING SPEED LIMIT: 35 MPH APPROVED SPEED LIMIT: 35 MPH 85TH %: 36 MPH 10 MPH PACE: 29 - 38 MPH MPH 50TH %: 32 % IN PACE: 79% 15TH %: 28 MPH % OVER PACE: **AVERAGE SPEED:** 33 MPH % UNDER PACE: 15% COMMENTS AND/OR RECOMMENDATIONS: Based on the high volume of bicyclists sharing the road, access nearby to the Metrolink train station and the density of commercial business, it is recommended to post a speed limit on this segment of El Camino Real at 35 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

63																												09		100%	4
62																												09	6	100%]
61																												09	6	100%]
60																												09		100%]
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15														X														09	6	100%	
14																												09	6	100%	ŀ
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1	X													X	X													19	6	99%	,
0	X													X														19	6	97%	,
9	X													X	X													19	6	96%	,
8	X	X	X	X	X	X	X	X	Х					X	X	X	X	X	X	X								89	6	95%	,
7	X	X	X	X	X	Х								X	X	Х	X	X	X									69	6	87%	,
6	X	X	X	X	X	X	X	X	Х					X	X	X	X	X	X	X	X							89	6	81%	,
5	X	X	X	X	X									X	X	X	X	X	X	X	X	X	X	X	X	X	X	99	6	72%	,
4	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X	X	X					89	6	63%	
3	X	X	X	X										X	X	X	X	X	X									59		54%	
2	X	X	X	X	X	X	X	X	Х					X	X	X	X	X	X	X	X	X	X	X				109	6	49%	,
									Х							X												89		39%	
0	X	X	X	X	X	X	X	X	Х	X	X	Х		X	X	Х	X	X	X	X	X							109	6	31%	
9	X	X	X	X	X	X	X							X	X	Х	X	X										69		21%	
8	X	X	X	X	X	X								X	X	Х	X											59		15%	,
7	X	X	X	X	X	X]	X	X	Х												49	6	10%	,
26	X														X													19	_	6%	
25	X												1	X														19		4%	
4	X	X	X										1	X														29		3%	
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			_	_	_	BE	_	_	_	_																		100%			1

PER C.V.C. 40802, SURVEY EXPIRES: 1/10/2019



NORTHBOUND

VEHICLES SURVEYED

SOUTHBOUND

SPEED

(MPH)

65

64

63

62

61

60

59

58

57

56 55

54

53

52

51

50

49

48 47

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TOTAL NUMBER OF VEHICLES = 201

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CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

0% 100%

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91%

87%

79%

40%

31%

26%

20%

16%

7%

3%

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DATE OF SURVEY: 1/10/14 TIME START: 10:35 AM TIME STOP: 11:20 AM

DAY OF WEEK: Friday WEATHER: Hazy LOCATION: EL CAMINO REAL El Portal to Avenida Palizada **ROAD CHARACTERISTICS:** Width (ft): 56 Sidewalks/Driveways: 4 No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 40 MPH Crosswalks: yes Traffic Controls: Signalized at El Portal, Mariposa, Vertical Alignment Design Speed: 55 MPH Palizada **ROADWAY CONDITIONS:** Lateral Visibility: good Driveway Density: high Surface Condition: Ped.& Bicycle Activity: aood AVERAGE DAILY TRAFFIC: 17,000 SEGMENT LENGTH (ft): 1,800 **ACCIDENTS 3-YR TOTAL:** ACCIDENT RATE: accidents per million 53 8.35 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: **EXISTING SPEED LIMIT:** 30 MPH APPROVED SPEED LIMIT: 30 MPH 85TH %: MPH 31 10 MPH PACE: 24 - 33 MPH 50TH %: 27 MPH % IN PACE: 71% 15TH %: MPH % OVER PACE: 9% 20% **AVERAGE SPEED:** 28 MPH % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS: 71% 62% A Based on the high volume of pedestrians and bicyclists, high density of commercial businesses, high 55% C accident rate and speed survey, it is recommended to post a speed limit on this segment of El Camino 48% **E** Real at 30 MPH.

OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/10/2019

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SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/10/14 TIME START: 11:25 AM TIME STOP: 12:00 PM DAY OF WEEK: Friday WEATHER: Hazy

SPEED									_	_	_	UL	Ŀ	SS	υ	к١	/E	_										% OF	CUML.	1	I	
(MPH)				N	OI	RT	H	ВС	U	NE)							S	οι	JΤ	HE	80	10	ND)			TOTAL	%	1		LOCATI
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		X																										2%	97%	1		COMME
		X													X	х												3%	96%	1		
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		DATE	or WEEK. I Huay	WLAIIILK.	Пасу	
LOCATION:	EL CAMINO RE	AL				
	Avenida Palizad	a to Avenida	a Presidio			
ROAD CHARACTERI						
	Width (ft):	56		alks/Driveways:		
	for Both Directions:	4	On	-Street Parking:		
J	nent Design Speed:	40 MPH		Crosswalks:		
Vertical Alignm	nent Design Speed:	55 MPH		Traffic Controls:	Signalized a	at Palizada, Del Mar, Vi
ROADWAY CONDITION	ONS:					
	Lateral Visibility:	limited	Dr	riveway Density:	high	
	Surface Condition:	good	Ped.&	Bicycle Activity:	high	
				, ,		
AVERAGE DAILY TR	AFFIC:	18,500	SEGMEN	IT LENGTH (ft):	2,112	
ACCIDENTS 3-YR TO	OTAL:	57	AC	CIDENT RATE:	7.03	accidents per millio
(1/1/2011 - 12/31/2013	3)		Avg. Accident Ra			vehicles miles
•	•		· ·			
EXISTING SPEED LIN	MIT:	30 MPH	APPROVED	SPEED LIMIT:	30 MPH	
85TH %:	27	MPH	10 MPH	PACE:	20 - 29	MPH
50TH %:	23	MPH	% IN PAG	CE:	89%	
15TH %:	20	MPH	% OVER	PACE:	7%	
AVERAGE SPEED:	24	MPH	% UNDE	R PACE:	5%	
COMMENTS AND/OR	RECOMMENDAT	IONS:				
Based on the high v	volume of pedestr	rians, densit	y of commercial b	usinesses and	the high	number of

l on the high volume of pedestrians, density of commercial businesses and the high number of ents occurred, it is recommended to post a speed limit on this segment of El Camino Real at 30

RVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

MMENDATION APPROVED BY: Thomas Frank, P.E.

.V.C. 40802, SURVEY EXPIRES: 1/10/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/10/14 TIME START: 12:05 PM TIME STOP: 12:40 PM DAY OF WEEK: Friday WEATHER: Hazy

ED	VEHICL	ES SURVEYED		CUML.	T
H)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION: EL CAMINO REAL
1)	HOKIMBOOKB	COUNDOOND			
			0%		Avenida Presidio to Avenida Valencia
ı			0%	100%	
			0%		ROAD CHARACTERISTICS:
ŀ			0%		Width (ft): 56 Sidewalks/Driveways: yes
			0%		No. of Lanes for Both Directions: 4 On-Street Parking: yes
ŀ			0%		Horizontal Alignment Design Speed: 40 MPH Crosswalks: yes
ŀ			0% 0%		Vertical Alignment Design Speed: 55 MPH Traffic Controls: Signalized at Barcelona & Valence
ŀ		+++++++++++++++++++++++++++++++++++++++	0%	100%	
ŀ		+++++++++++++++++++++++++++++++++++++++	0%		ROADWAY CONDITIONS:
		+++++++++++++++++++++++++++++++++++++++	0%		
H					Lateral Visibility: good Driveway Density: medium
			0%		Surface Condition: good Ped.& Bicycle Activity: medium
ŀ			0%	100%	
ŀ			0%		10.000
L			0%		AVERAGE DAILY TRAFFIC: 16,000 SEGMENT LENGTH (ft): 3,168
ŀ			0%		
ŀ			0% 0%		
ŀ		+++++++++++++++++++++++++++++++++++++++	0%		ACCIDENTS 3-YR TOTAL: 60 ACCIDENT RATE: 5.71 accidents per milli
ŀ		+++++++++++++++++++++++++++++++++++++++	0%		(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 3.97 vehicles miles
		+++++++++++++++++++++++++++++++++++++++	0%		(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12. 3.97 venicles miles
ŀ		+++++++++++++++++++++++++++++++++++++++	-		EVICTING CREED LIMIT. COMPU
ı			0%		EXISTING SPEED LIMIT: 30 MPH APPROVED SPEED LIMIT: 30 MPH
ŀ			0%		
L			0%		
F	(XX	1%		
ŀ		XX	1% 0%	99% 98%	85TH %: 33 MPH 10 MPH PACE: 24 - 33 MPH
ŀ		X	2%		50TH %: 28 MPH % IN PACE: 76%
- 1	(X	XXX	1%		50TH %: 28 MPH % IN PACE: 76%
		XX	1%		15TH %: 23 MPH % OVER PACE: 15%
		XXX	2%		15TH %:23
	X X X X X	XXX	4%		AVERAGE SPEED: 29 MPH % UNDER PACE: 9%
	(XX	XXXXXXXX	6%	85% *	AVERAGE SPEED. 29 WIFT % UNDER PAGE. 370
	(XX	XXXXXXXXXXX	7%	79% *	
- 1	(XXXXXXXX	XXXXXXX	8%	72% *	COMMENTS AND/OR RECOMMENDATIONS:
	(XXXX	XXXXXXXXX	7%		o o o o o o o o o o o o o o o o o o o
	(XXXXXXXXXXX	XXXXXXXXXXXXXX	13%	56% A	Based on the high volume of pedestrians, density of commercial businesses fronting the street, and
	(XXXXXXXXXX	XXXXXXXXX	10%	43% C	based on the high volume of pedestrians, density of commercial businesses fronting the street, and
	(XXXXXXXXX	XXX	6%	32% E	Inight accident rate, it is recommended to post a speed limit on this segment of El Camino Real at 30
	CXXXXXXX	XXXXXX	7%		MPH.
	CXX	XX	2%	19% *	
	CXXXXXXX	XXXXX	7%	16% *	
	CXXXX	x	3%		
	(XXX	 	2%	6%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
	(X	хх	2%	4%	<u> </u>
	(X	lx	1%	2%	
	(X	 	1%	1%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
ľ	10	+++++++++++++++++++++++++++++++++++++++	0%	0%	THOMAS FIGURAL TO THE STATE OF
1		+++++++++++++++++++++++++++++++++++++++	0%	0%	
ŀ		+++++++++++++++++++++++++++++++++++++++			DED C V C 40000 CUDVEY EXPIRES: 1/40/2010
		+++++++++++++++++++++++++++++++++++++++	0% 0%	0% 0%	PER C.V.C. 40802, SURVEY EXPIRES:1/10/2019



NORTHBOUND

SPEED

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TOTAL NUMBER OF VEHICLES = 200

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SOUTHBOUND

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

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TOTAL 0% 100%

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84%

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16%

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DATE OF SURVEY: 1/10/14 TIME START: 12:45 PM TIME STOP: 1:30 PM DAY OF WEEK: **WEATHER:** Hazy LOCATION: EL CAMINO REAL Avenida Valencia to Calle Del Commercio ROAD CHARACTERISTICS: Width (ft): 56 Sidewalks/Driveways: No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 40 MPH Crosswalks: Traffic Controls: Signalized at Valencia, San Juan, San Vertical Alignment Design Speed: 55 MPH Gabriel, Fwy. overpass & San Luis Rey **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: medium good Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 12,500 SEGMENT LENGTH (ft): 4,752 accidents per million ACCIDENTS 3-YR TOTAL: ACCIDENT RATE: 45 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 35 MPH APPROVED SPEED LIMIT: 35 MPH EXISTING SPEED LIMIT: 85TH %: 37 MPH 10 MPH PACE: 29 - 38 MPH 50TH %: 32 MPH % IN PACE: 75% 15TH %: 28 MPH % OVER PACE: 10% 72% P 62% A **AVERAGE SPEED:** 33 MPH % UNDER PACE: 16% 55% C 48% E COMMENTS AND/OR RECOMMENDATIONS: Based on the speed survey, high density of driveways fronting the street and elementary school and church nearby, it is recommended to post a speed limit on this segment of El Camino Real at 35 MPH. OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

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PER C.V.C. 40802, SURVEY EXPIRES: 1/10/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/10/14 TIME START: 1:35 PM TIME STOP: 2:10 PM DAY OF WEEK: Friday WEATHER: Hazy

	ALIFORNI				_		DAYC	OF WEEK: Friday WEATHER	Hazy
SPEED		SURVEYED	% OF	CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL	%	LOCATION:	EL CAMINO RE	AL		
65			0%	100%		Calle Del Comm	ercio to Sou	th City Limit	
64			0%	100%				•	
63			0%	100%	ROAD CHARACTER	ISTICS:			
62			0%	100%		Width (ft):	56	Sidewalks/Driveways	yes
61			0%	100%	No. of Lanes	for Both Directions:	4	On-Street Parking	yes
60			0%	100%	Horizontal Alignn	nent Design Speed:	40 MPH	Crosswalks	
59			0%	100%	Vertical Alignn	nent Design Speed:	55 MPH	Traffic Controls	Signalized at San Luis Rey; 9 stops
58			0%	100%					between Del Comercio and Avenida
57			0%	100%					Santa Margarita.
56			0%	100%	ROADWAY CONDITI				
55			0%	100%		Lateral Visibility:	good	Driveway Density	
54	x		1%	100%		Surface Condition:	good	Ped.& Bicycle Activity	high
53		х	1%	100%					
52			0%	99%					
51		X	1%	99%	AVERAGE DAILY TR	AFFIC:	6,000	SEGMENT LENGTH (ft)	4,224
50	X		1%	99%					
49	X	X X	1% 1%	98% 97%					
48 47	*	XXXX	2%	96%	ACCIDENTS 3-YR TO	OTAL ·	18	ACCIDENT RATE	3.42 accidents per million
46		XXXX	2%	94%	(1/1/2011 - 12/31/201		10	Avg. Accident Rate in District 12	
45	x	XX	2%	92%	(1/1/2011 12/01/201	0)		7.vg. 7.coldent react in District 12	0.07
44	XXX	XXXX	4%	91%	EXISTING SPEED LI	MIT.	35 MPH	APPROVED SPEED LIMIT	35 MDH
			5%	87%	. LAISTING SPEED EI	IVII I .	33 WII 11	AFFROVED SPEED LIMIT	33 WI 11
43 42	X X X X X X X X X	X X X X X X X X X X X X X X X X X X X	8%	82% *					
41	XXX	XXXXXX	5%	74% *					
40	XXXX	XXXXX	5%		85TH %:	42	MPH	10 MPH PACE:	34 - 43 MPH
39	XXXXXX	XXXXXXXXX	9%		A GOTTI 783			10 1111 7102.	01 10 10111
38	xxxx	xxxxxxxxxxxx	9%		50TH %:	37	MPH	% IN PACE:	71%
37	xxxxxx	xxxxxx	7%	48%	≣				
36	x x x x x x x x x x	xxxxxx	9%	41% *	15TH %:	32	MPH	% OVER PACE:	13%
35	x x x x x x x x x x x x x x x	xx	10%	32%	·				
34	XXXXX	x x x x x x	6%	22% *	AVERAGE SPEED:	38	MPH	% UNDER PACE:	17%
33	x x x x x x x x	х	5%	17%					
32	XXX	xxxxx	5%	12%					
31	ХX	ХX	2%	8%	COMMENTS AND/O	R RECOMMENDAT	IONS:		
30	XX	X	2%	6%					
29	XXX	x	2% 1%	4% 2%				ses to elementary school and St	
28 27	X X		1%	2%		oicylist traffic, it is	recommend	led to post a speed limit on this	segment of El Camino
26	^ Y	V V	1%	1%	Real at 35 MPH.				
25	^	^	0%	0%					
23			0%	0%					
23			0%	0%					
22			0%	0%	OBSERVED BY:	Mike Almir, Transp	ortation Studi	ies, Inc. STUDY PREPARED BY	Jane Mrotek
21			0%	0%		,			
20			0%	0%					
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Fran	nk, P.E.	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, S	URVEY EXPIRES:	1/10/2019		
15			0%	0%					
TO	TAL NUMBER OF VEHICLES =	200	100%						
					·				



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

	LIFORM						DAYC	OF WEEK: Wednesday	WEATHER: Hazy
SPEED	VEHICLE	S SURVEYED	% OF	CUML.					
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION:	CALLE SALUDA	Д		
65			0%	100%		Avenida La Pata	a to Avenida	Fresas	
64			0%	100%					
63			0%	100%	ROAD CHARACTERI	STICS:			
62			0%	100%		Width (ft):	44	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes f	or Both Directions:		On-Street Parking:	no
60			0%	100%		ent Design Speed:		Crosswalks:	yes
59			0%	100%		ent Design Speed:			signalized at Ave Fresas and Ave La
58			0%	100%	7 01 11 0 cm 7 11 1 gr 11 1 1	o.n. 2 co.g opcou.			Pata.
57			0%	100%					
56			0%	100%	ROADWAY CONDITION	ONS:			
55			0%	100%	Konstinti constin	Lateral Visibility:	good	Driveway Density:	low
54		·	1%	100%		Surface Condition:			low
		^	0%	100%		Surface Condition.	good	Ped.& Bicycle Activity:	IOW
53 52			0%	100%					
			0%	100%	AVERAGE DAILY TO	AFFIC:	F 000	CECMENT LENGTH (#4).	4.750
51 50			0%	100%	AVERAGE DAILY TR	AFFIC:	5,000	SEGMENT LENGTH (ft):	1,750
			0%	100%					
49 48			0%	100%					
46 47		x	1%	100%	ACCIDENTS 3-YR TO	ΤΔΙ ·	0	ACCIDENT RATE:	0.00 accidents per million
46		X	1%	99%	(1/1/2011 - 12/31/2013			Avg. Accident Rate in District 12:	1.32 vehicles miles
45		1^	0%	99%	(1/1/2011 - 12/31/2013	')		Avg. Accident Nate in District 12.	1.52 Verileies fillies
44		XXXX	3%	99%	EXISTING SPEED LIF	AIT.	35 MPH	APPROVED SPEED LIMIT:	25 MDU
43	X	^^^^	1%	96%	EXISTING SPEED LII	WIII.	33 IVIF IT	APPROVED SPEED LIMIT.	33 WFH
43	^	xxxxx	3%	96%					
41	xxxx	XXXXXXXX	7%	93% *					
	XXXX	XXXXXXXX	6%	87% *	85TH %:	39	MPH	10 MPH PACE:	32 - 41 MPH
39	X X X X X X X X X X	XXXXXX	8%	81% *	651H %.	39	IVIFI	IO WIFT PACE.	32 - 41 WIFH
	XXXXXXXXX	XXXXX	8%	73% P	50TH %:	35	MPH	% IN PACE:	70%
	XXXXXXX	XXXXXXX	8%	65% A	30111 /6.		IVIFII	/ IN PACE.	1078
36	XXXXXXX	XXXXXXX	7%	58% C	15TH %:	29	MPH	% OVER PACE:	7%
	XXXXXXXXXX	XXXXXX	9%	51% E	13111 /6.	23	IVIFII	% OVER PAGE.	7 78
	XXXXXXXX	XXXXXX	7%	42% *	AVERAGE SPEED:	35	MPH	% UNDER PACE:	24%
33	XXXXXX	XXXXX	6%	35% *	AVERAGE SPEED.	33	IVIFII	% UNDER FACE.	2470
	XXXXXXX	XXXXX	6%	30% *					
	XXXXX	XXX	4%	24%	COMMENTS AND/OF	BECOMMENDA.	TIONS:		
30	XXXX	XXXXX	5%	20%	GOWINILIA 13 AND/OF	NECOMMENDA	iiono.		
	XXXXXX	XXX	5%	15%	Based on the acom	otric of the otres	t with direct a	access to residential tracts and a	olf courses it is
	XXXX	XXX	4%	11%				access to residential tracts and g	UII CUUISES, IL IS
26 27	XXX	XXX	3%	7%	recommended to po	ost the speed lim	it on Calle S	aiuda at 35 MPH.	
26	XXX	1000	2%	4%					
25	^^^	xxx	2%	3%					
24		X	1%	1%					
23		X	1%	1%					
22		1^	0%	0%	OBSERVED BY:	Mike Almir, Transı	portation Studi	es. Inc. STUDY PREPARED BY:	Jano Mrotok
21			0%	0%	OBOLINALD B1:	wike Airill, Trans	Jortalion Studi	es, IIIc. GIODI I NEI ARED DI.	Jane Milotek
20			0%	0%					
20 19			0%	0%	RECOMMENDATION	APPROVED BY-	Thomas Err	ank D.F.	
18			0%	0%		I NO 1 LD D1.	THOMAS PIE	инк, г <u>.</u> .	
17			0%	0%					
				_	DED 6 V 6 40000 01	IDVEV EVENES	1/0/0040		
16			0%	0%	PER C.V.C. 40802, SI	JKVET EXPIRES:	1/8/2019		
15			0%	0%					
TO	OTAL NUMBER OF VEHICLES	= 200	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/8/14 TIME START: 1:34 PM TIME STOP: 3:00 PM DAY OF WEEK: Wednesday WEATHER: Hazy

					DATE	or Weariesday	WEATTEN: Hazy
SPEED		LES SURVEYED	% OF CUML.				
(MPH)	EASTBOUND	WESTBOUND	TOTAL %		SALUDA		
65			0% 100%	Avenida	Fresas to Avenida	Talega	
64			0% 100%				
63			0% 100%	ROAD CHARACTERISTICS:			
62			0% 100%	V	Vidth (ft): 44	Sidewalks/Driveways	yes
61			0% 100%	No. of Lanes for Both Di		On-Street Parking	no
60			0% 100%	Horizontal Alignment Design		Crosswalks	
59			0% 100%	Vertical Alignment Design			signalized at Ave La Pata and at
58			0% 100%				Liberty park entrance
57			0% 100%				
56			0% 100%	ROADWAY CONDITIONS:			
55			0% 100%		Visibility: good	Driveway Density	: low
54							
			0% 100%	Surface C	Condition: good	Ped.& Bicycle Activity	: low
53			0% 100%				
52			0% 100%	AVERAGE DATE VERALETT	4.000	OF OMENT LENGTH (C)	4.750
51			0% 100%	AVERAGE DAILY TRAFFIC:	4,900	SEGMENT LENGTH (ft)	1,750
50			0% 100%				
49			0% 100%				
48			0% 100% 0% 100%	ACCIDENTS 3-YR TOTAL:	4	ACCIDENT DATE	: 0.56 accidents per million
47					1	ACCIDENT RATE	
46			0% 100% 0% 100%	(1/1/2011 - 12/31/2013)		Avg. Accident Rate in District 12	: 1.32 vehicles miles
45				EVICTING OPERS LIMIT	OF MPI	ADDDOVED ODEED LIMIT	OF MEN
44		XXXX	3% 100%	EXISTING SPEED LIMIT:	35 MPH	APPROVED SPEED LIMIT	35 MPH
43		xxxxxx	4% 98%				
42	XXXXX	xxxxxxxx	8% 94% *				
41	X X X X X X X X X X	XXXXX	8% 87% *				
40	XXXXXXXX	xxxxxxx	9% 79% *	85TH %: 4	0 MPH	10 MPH PACE:	33 - 42 MPH
39	XXXXXX	xxxxxx	7% 70% P			o/ N	
38	XXXXXXX	xxxxxxx	8% 63% A	50TH % : 3	6 MPH	% IN PACE:	79%
37	x x x x x x x x x x x	xxxxxxx	10% 55% C				
36	x x x x x x x x x x x	xxxxxxx	10% 46% E	15TH %: 3	2 MPH	% OVER PACE:	6%
35	X X X X X X X	xxxxxxx	8% 36% *				4007
34	x x x x x x x x x x x	xxxxx	9% 29% *	AVERAGE SPEED: 37	7 MPH	% UNDER PACE:	16%
33	X X X X X X X	xx	5% 20% *				
32	XXXXX	xxxx	5% 16%				
31	XXX	xxxx	4% 11%	COMMENTS AND/OR RECOM	IMENDATIONS:		
30	XXXX	x x	3% 8%				
29	X	xxxx	3% 5%	Based on the geometric of the	he street with direct	access to residential tracts and	Liberty park, it is
28		xxx	2% 2%	recommended to post the sp	peed limit on Calle S	aluda at 35 MPH.	
27			0% 0%	· ·			
26			0% 0%				
25			0% 0%				
24			0% 0%				
23			0% 0%				
22			0% 0%	OBSERVED BY: Mike Alm	nir, Transportation Stud	ies, Inc. STUDY PREPARED BY	Jane Mrotek
21			0% 0%				
20			0% 0%				
19			0% 0%	RECOMMENDATION APPROV	/ED BY: Thomas Fr	ank, P.E	
18			0% 0%				
17			0% 0%				
16			0% 0%	PER C.V.C. 40802, SURVEY E	XPIRES: 1/8/2019		
15		 	0% 0%				
	OTAL NUMBER OF VEHICL	FS - 200	100%				
 	OTAL NUMBER OF VEHICLE	LO - 200	100 /0				
<u></u>							



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 3/25/14 TIME START: 9:00 AM TIME STOP: 10:30 AM

DAY OF WEEK: Tuesday WEATHER: Foggy

SPEED	`		% OF	CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	TOTAL	%	LOCATION: AVE	NIDA SALV	'ADOR		
65			0%	100%	Aver	ida Presidio	o to Avenida	San Pablo	
64			0%	100%					
63			0%	100%	ROAD CHARACTERISTICS	:			
62			0%	100%		Width (ft):	40	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes for Bot	h Directions:	2	On-Street Parking:	yes
60			0%	100%	Horizontal Alignment Do	sign Speed:	25 MPH	Crosswalks:	yes
59			0%	100%	Vertical Alignment De	esign Speed:	25 MPH	Traffic Controls:	Stop signs at 7 intersections along
58			0%	100%					Salvador.
57			0%	100%					
56			0%	100%	ROADWAY CONDITIONS:				
55			0%	100%	Late	eral Visibility:	good	Driveway Density:	high
54			0%	100%	Surfa	ce Condition:	good	Ped.& Bicycle Activity:	low
53			0%	100%					
52			0%	100%					
51			0%	100%	AVERAGE DAILY TRAFFIC	:	2,000	SEGMENT LENGTH (ft):	9,510
50			0%	100%					
49			0%	100%					
48 47		 	0% 0%	100% 100%	ACCIDENTS 3-YR TOTAL:		7	ACCIDENT BATE	accidents per million
46			0%	100%			7	ACCIDENT RATE: Avg. Accident Rate in District 12:	1.77 vehicles miles
45			0%	100%	(1/1/2011 - 12/31/2013)			Avg. Accident Rate in District 12.	1.32
44			0%	100%	EXISTING SPEED LIMIT:		25 MPH	APPROVED SPEED LIMIT:	25 MDH
43			0%	100%	EXISTING OF LED LIMIT.		20 1011 11	AT I NOVED OF EED EIMIT.	23 WII 11
42		 	0%	100%					
41			0%	100%					
40			0%	100%	85TH %:	31	MPH	10 MPH PACE:	22 - 31 MPH
39			0%	100%	-			,	
38			0%	100%	50TH %:	27	MPH	% IN PACE:	72%
37	X		1%	100%					
	XX		3%	99%	15TH %:	21	MPH	% OVER PACE:	17%
	X	X	3%	96%					
34			0%	93%	AVERAGE SPEED:	27	MPH	% UNDER PACE:	11%
	X	хх	4%	93%					
	XX	XXX	7%	89%					
	XXX	X	5% 7%	83% *	COMMENTS AND/OR REC	OMMENDAT	IONS:		
	XX	XXX	11%	77% * 71% *	December of the second	6 41 4-			the formation with a seture of
	X X X X X X X X X X X X X X X X X X X	XX	9%	60% F		•		sity of residential driveways direc	,
	XXXX	XXXX	11%	51%		t a speed lir	mit on this se	gment of Avenida Salvador at 25	MPH.
26	X	2222	1%	40%					
_	XXXXX	хх	9%	39% E	1 1				
24	111111111111	x	1%	29% *					
	xxxx	xx	8%	28% *					
	XXX	xxxx	9%	20% *	OBSERVED BY: Edell	Braucksiek.	Transportation S	Studies, Inc. STUDY PREPARED BY:	Jane Mrotek
	X	x	3%	11%			,		
20	X	хх	4%	8%					
19	XXX		4%	4%	RECOMMENDATION APPR	OVED BY:	Thomas Fra	ınk, P.E	
18			0%	0%					
17			0%	0%					
16			0%	0%	PER C.V.C. 40802, SURVE	Y EXPIRES:	3/25/2019		
15			0%	0%					
TO	TAL NUMBER OF VEHICL	ES = 75	100%						



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/17/14 TIME START: 2:00 PM TIME STOP: 4:00 PM DAY OF WEEK: Friday WEATHER: Clear

6/17/2014

	CUFORNI				DAY OF WEEK: Friday WEATHER: Clear
SPEED	VEHICLE	ES SURVEYED	% OF	CUML.	
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION: AVENIDA SAN PABLO
65			0%	100%	San Gabriel to El Camino Real (WB one-way)
64			0%	100%	
63			0%	100%	ROAD CHARACTERISTICS:
62			0%	100%	Width (ft): 28 Sidewalks/Driveways: yes
61			0%	100%	No. of Lanes for Both Directions: 1 On-Street Parking: yes
60			0%	100%	Horizontal Alignment Design Speed: 25 MPH Crosswalks: yes
59			0%	100%	Vertical Alignment Design Speed: 25 MPH Traffic Controls: Stop sign at the intersection with
58			0%	100%	Avenida San Gabriel
57			0%	100%	
56			0%	100%	ROADWAY CONDITIONS:
55			0%	100%	Lateral Visibility: good Driveway Density: high
54			0%	100%	Surface Condition: good Ped.& Bicycle Activity: low
53			0%	100%	
52			0%	100%	
51			0%	100%	AVERAGE DAILY TRAFFIC: 1,500 SEGMENT LENGTH (ft): 528
50		+++++++++++++++++++++++++++++++++++++++	0% 0%	100%	
49 48			0%	100%	
48 47			0%	100%	ACCIDENTS 3-YR TOTAL: 0 ACCIDENT RATE: 0.00 accidents per million
46		 	0%	100%	(1/1/2011 - 12/31/2013) vehicles miles
45			0%	100%	()
44			0%	100%	EXISTING SPEED LIMIT: 25 MPH APPROVED SPEED LIMIT: 25 MPH
43			0%	100%	20.0000 51.225 2.0000
42			0%	100%	
41			0%	100%	
40			0%	100%	85TH %: 23 MPH 10 MPH PACE: 16 - 25 MPH
39			0%	100%	
38			0%	100%	50TH %:19 MPH % IN PACE : 88%
37			0%	100%	
36			0%	100%	15TH %:15
35			0%	100%	100/
34			0% 0%	100% 100%	AVERAGE SPEED: 20 MPH % UNDER PACE: 10%
33		+++++++++++++++++++++++++++++++++++++++	0%	100%	
32 31			0%	100%	COMMENTS AND/OR RECOMMENDATIONS:
31			0%	100%	COMMENTO AND/ON RECOMMENDATIONS.
29			0%	100%	Based on geometric design of the street, density of residential driveways directly fronting the street
28			0%	100%	and the speed survey, it is recommended to post a speed limit on this segment of Avenida San Pablo
27			0%	100%	and the speed survey, it is recommended to post a speed limit on this segment of Avenida San Pablo at 25 MPH.
26		x	2%	100%	at 25 IVIFFI.
25		XXXX	8%	98%	
24		x x x x x x	12%	90%	
23		XXXX	10%	78%	
22		XXXX	8%		OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
21		XXX	6%		A Company of the Comp
20		XXXX	8%		DECOMMENDATION APPROVED BY: There as Free D.F.
19		XXXXX	12%		RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18		XXX	6%	34%	*
17		XXXX	8%	28%	A 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2
16		XXXXX	10%	20%	* PER C.V.C. 40802, SURVEY EXPIRES: 1/17/2019
15		XXXXX	10%	10%	
ТО	TAL NUMBER OF VEHICLES	S = 50	100%		



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/17/14 TIME START: 1:00 PM TIME STOP: 2:00 PM DAY OF WEEK: Friday WEATHER: Clear

EASTBOUND	WESTBOUND	% OF TOTAL	% 100%	LOCATION:	AVENIDA SAN		oido Acopu
		_	100%		Avanida Can Ca	abrial to Ava	oido Acopu
		00/			Avenida San Ga	abilei to Avei	ilua Acapu
		0%	100%				
		0%	100%	ROAD CHARACTER	ISTICS:		
		0%	100%		Width (ft):		
		0%	100%		for Both Directions:		
		0%	100%		nent Design Speed:		
		0%	100%	Vertical Alignn	nent Design Speed:	35 MPH	
		0%	100%				
		0%	100%				
			_	ROADWAY CONDITI			
					Lateral Visibility:	limited	
		0%	100%		Surface Condition	:good	
		0%	100%				
		0%	100%				
				AVERAGE DAILY TR	RAFFIC:	2,500	S
			100%				
		_		ACCURENTS OVER TO	0741	_	
						5	
				(1/1/2011 - 12/31/201	3)		Avg. Acc
		0%	100%				
		0%	100%	EXISTING SPEED LI	MIT:	25 MPH	APP
		0%	100%				
		0%	100%				
		0%	100%				
		0%	100%	85TH %:	31	MPH	1
		0%	100%	-			
		0%	100%	50TH %:	26	MPH	9
	x	1%	100%				
	X	1%	99%	15TH %:	21	MPH	9
	X	4%	98%				
	X	2%	94%	AVERAGE SPEED:	27	MPH	9/
	ХX	4%	92%				
	XXXXX	5%	88%				
	XXXXX	6%		COMMENTS AND/O	R RECOMMENDAT	TIONS:	
	XXX	_	77% *				
	XXXXXX	8%	73% *	Based on geometri	ic design of the st	treet, density	of residen
X X	XXXXX	11%	65% P				
	XXXXX	9%		,			
XXXX	XXXXX	13%					
	x	3%	33% E				
X	X X	7%	30% *				
	XXXX						
X	X X	7%	17% *	OBSERVED BY:	Mike Almir, Trans	portation Studi	ies, Inc. S
		2%	10%				
			8%	1			
		_		RECOMMENDATION	N APPROVED BY:	Thomas Fra	ank, P.E.
		1%	4%	1			
		0%	3%				
		2%	3%	PER C.V.C. 40802, S	SURVEY EXPIRES:	1/17/2019	
		1%	1%				
MBER OF VEHICLES =	= 101	100%					
	X X X X X X X X X X X X X X X X X X X	x x x x x x x x x x x x x x x x x x x	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	0% 100% 100% 0% 100%			

LOCATION:	AVENIDA SAN F	PABLO		
	Avenida San Gal	briel to Aver	nida Acapulco	
ROAD CHARACTERIS		40	0:1: - / - /	
No of Longo fo	Width (ft):	40	Sidewalks/Driveways:	
No. of Lanes for Horizontal Alignme	or Both Directions:	25 MPH	On-Street Parking: Crosswalks:	
	ent Design Speed: ent Design Speed:	35 MPH		Stop sign at the intersection with
V & Hour / High mice	siit besigii opeca.	JJ IVII 11	Traine Controle.	Avenida San Gabriel
ROADWAY CONDITIO	NS:			
NOADWAT CONDITIO	Lateral Visibility:	limited	Driveway Density:	high
:	Surface Condition:	good	Ped.& Bicycle Activity:	
	ouridoo coridiic	good	1 od.a Diojoio ne	mediam
AVERAGE DAILY TRA	AFFIC:	2,500	SEGMENT LENGTH (ft):	1,390
	-			
ACCIDENTS 3-YR TO	TAI -	5	ACCIDENT DATE.	accidents per million
(1/1/2011 - 12/31/2013	_	5	ACCIDENT RATE: Avg. Accident Rate in District 12:	- Vohicles miles
(1/1/2011 - 12/31/2013)		Avg. Accident Rate III District 12.	1.32
	UT.	OF MELL	ADDDOVED ODEED LIMIT.	25 MDU
EXISTING SPEED LIM		25 MPH	APPROVED SPEED LIMIT:	25 WIPH
EXISTING SPEED LIM		25 MPH	APPROVED SPEED LIMIT:	25 MPH
	-			
85TH %:	31	МРН	10 MPH PACE:	22 - 31 MPH
	-			
85TH %:	31	МРН	10 MPH PACE:	22 - 31 MPH
85TH %: 50TH %:	31 26	MPH MPH	10 MPH PACE: % IN PACE:	22 - 31 MPH 73%
85TH %: 50TH %: 15TH %:	31 26 21	MPH MPH	10 MPH PACE: % IN PACE: % OVER PACE:	22 - 31 MPH 73% 17%
85TH %: 50TH %: 15TH %:	31 26 21 27	MPH MPH MPH	10 MPH PACE: % IN PACE: % OVER PACE:	22 - 31 MPH 73% 17%
85TH %: 50TH %: 15TH %: AVERAGE SPEED:	31 26 21 27	MPH MPH MPH	10 MPH PACE: % IN PACE: % OVER PACE:	22 - 31 MPH 73% 17%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR	31 26 21 27 RECOMMENDATI	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE:	22 - 31 MPH 73% 17% 10%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric	31 26 21 27 RECOMMENDATI design of the str	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE:	22 - 31 MPH 73% 17% 10%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric	31 26 21 27 RECOMMENDATI design of the strand school, it is re	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: of residential driveways directly	22 - 31 MPH 73% 17% 10%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric and nearby church a	31 26 21 27 RECOMMENDATI design of the strand school, it is re	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: of residential driveways directly	22 - 31 MPH 73% 17% 10%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric and nearby church a	31 26 21 27 RECOMMENDATI design of the strand school, it is re	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: of residential driveways directly	22 - 31 MPH 73% 17% 10%
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric and nearby church a San Pablo at 25 MP	31 26 21 27 RECOMMENDATI design of the strand school, it is re	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: of residential driveways directly ad to post a speed limit on this see	22 - 31 MPH 73% 17% 10% refronting the street egment of Avenida
85TH %: 50TH %: 15TH %: AVERAGE SPEED: COMMENTS AND/OR Based on geometric and nearby church a San Pablo at 25 MP	31 26 21 27 RECOMMENDATI design of the strand school, it is re	MPH MPH MPH ONS:	10 MPH PACE: % IN PACE: % OVER PACE: % UNDER PACE: of residential driveways directly d to post a speed limit on this se	22 - 31 MPH 73% 17% 10% refronting the street egment of Avenida



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/17/14 TIME START: 12:00 PM TIME STOP: 1:00 PM
DAY OF WEEK: Friday WEATHER: Clear

	CIFORNI			J W 111	DAY OF WEEK: Friday WEATHER: Clear
SPEED		ES SURVEYED	% OF	CUML.	
(MPH)	EASTBOUND	WESTBOUND	TOTAL	%	LOCATION: AVENIDA SAN PABLO
65			0%	100%	Avenida Acapulco to northerly terminus
64			0%	100%	
63			0%	100%	ROAD CHARACTERISTICS:
62			0%	100%	Width (ft): 64 Sidewalks/Driveways: yes
61			0%	100%	No. of Lanes for Both Directions: 2 On-Street Parking: yes
60		x	1%	100%	Horizontal Alignment Design Speed: n/a Crosswalks: yes
59			0%	99%	Vertical Alignment Design Speed:n/a Traffic Controls: Stop signs at nine intersections along
58			0%	99%	Avenida San Pablo.
57			0%	99%	
56			0%	99%	ROADWAY CONDITIONS:
55		X	1%	99%	Lateral Visibility: good Driveway Density: low
54			0%	98%	Surface Condition: good Ped.& Bicycle Activity: low
53			0%	98%	
52	X		1%	98%	
51			0%	97%	AVERAGE DAILY TRAFFIC: 1,500 SEGMENT LENGTH (ft): 3,800
50		X	1%	97%	
49		X	1% 0%	96% 95%	
48 47		v	1%	95%	ACCIDENTS 3-YR TOTAL: 1 ACCIDENT RATE: 0.85 accidents per million
46			0%	94%	(1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: 1.32 vehicles miles
45	Y		1%	94%	(1/1/2011 - 12/31/2013) Avg. Accident Nate in District 12. 1.32 Verificial names
44	^	- U			EXISTING SPEED LIMIT: 35 MPH APPROVED SPEED LIMIT: 35 MPH
		^	1% 2%	93% 92%	EXISTING SPEED LIMIT: 35 MPH APPROVED SPEED LIMIT: 35 MPH
43	V V V V	X X	5%	92%	
	XXXX	X	6%	86% *	*
41 40	X X X	X X X X X X X	5%	80% *	* 85TH %: 41 MPH 10 MPH PACE: 32 - 41 MPH
	XXX	XXXXXX	9%	75% *	8317 %. 41 WIFT 10 WIFT FACE. 32 - 41 WIFT
	XX	XX	4%	67% F	P 50TH %: 34 MPH % IN PACE: 55%
	XXX	XX	5%		3011 78. 3077 MILITAGE. 3077
	XX	XX	4%		C 15TH %: 26 MPH % OVER PACE: 14%
	XXXXX	xxx	8%	54% E	
	XXXX	xxx	7%	47% *	* AVERAGE SPEED: 35 MPH % UNDER PACE: 30%
	ХX	хх	4%	40% *	*
32	XXXXX	x	6%	36% *	*
31	XXX	x	4%	30%	COMMENTS AND/OR RECOMMENDATIONS:
	ХX	x	3%	27%	
	x x	x	3%	24%	Based on geometric design of the street with access to residential tracts and retirement community, it
	XXX	x x	5%	21%	is recommended to post a speed limit on this segment of Avenida San Pablo at 35 MPH.
	XXX	XXXX	7%	16%	
26	ХX	хх	4%	10%	
	X	X	2%	6%	
	X	X	2%	4%	
	X		1%	2%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
22	Α		1% 0%	1% 0%	OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek
21 20			0%	0%	
20 19			0%	0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
19			0%	0%	THOMAS TRAIN, T.E.
17			0%	0%	
16			0%	0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/17/2019
			0%	0%	FER C.V.C. 4000Z, SURVET EXPIRES: 1/1///2019
15	STAL MUMBER OF VENIOR	105	100%	0 76	
10	OTAL NUMBER OF VEHICLE	:5 = 105	100%		



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 2/19/14 TIME START: 1:30 PM TIME STOP: 2:05 PM
DAY OF WEEK: Wednesday WEATHER: Clear

SPEED	VEHIC	LES SURVEYED		CUML.					
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	SARMENTOSO			
65			0%	100%		Camino Vera Cr	uz to Camin	o Del Rio	
64			0%	100%					
63			0%	100%	ROAD CHARACTERI	STICS:			
62			0%	100%		Width (ft):	40	Sidewalks/Driveways:	yes
61			0%	100%	No. of Lanes	for Both Directions:	2	On-Street Parking:	yes
60			0%	100%	Horizontal Alignm	nent Design Speed:	40 MPH	Crosswalks:	yes
59			0%	100%	Vertical Alignm	nent Design Speed:	40 MPH	Traffic Controls:	Signalized at the intersection with
58			0%	100%					Camino Vera Cruz
57			0%	100%					
56			0%	100%	ROADWAY CONDITION	ONS:			
55			0%	100%		Lateral Visibility:	good	Driveway Density:	low
54			0%	100%		Surface Condition:	good	Ped.& Bicycle Activity:	medium
53			0%	100%					
52			0%	100%					
51			0%	100%	AVERAGE DAILY TR	AFFIC:	2,000	SEGMENT LENGTH (ft):	4,425
50			0%	100%					
49			0%	100%					
48			0%	100%	ACCIDENTS 3-YR TO	TAL.	0	ACCIDENT DATE.	accidents per million
47 46			0%	100%	(1/1/2010 - 12/31/2013		2	ACCIDENT RATE: Avg. Accident Rate in District 12:	- Vohicles miles
46 45			0%	100%	(1/1/2010 - 12/31/2013	ა)		Avg. Accident Rate in District 12.	1.32
44		 	0%	100%	EXISTING SPEED LII	міт.	30 MPH	APPROVED SPEED LIMIT:	30 MDH
43			0%	100%	EXISTING OF EED EN	WII I .	30 WII 11	ALL KOVED OF EED LIMIT.	30 WII 11
42			0%	100%					
41			0%	100%					
40			0%	100%	85TH %:	29	MPH	10 MPH PACE:	22 - 31 MPH
39		x	1%	100%				!	
38			0%	99%	50TH %:	25	MPH	% IN PACE:	81%
37			0%	99%					
36		x	1%	99%	15TH %:	21	MPH	% OVER PACE:	5%
35			0%	98%					
34			0%	98%	AVERAGE SPEED:	26	MPH	% UNDER PACE:	14%
33		x	1%	98%					
32	V V V	XXX	2%	98%	OOMMENTO AND/OF		10110		
31 30	XXX	X X X	5% 6%	95% * 90% *	COMMENTS AND/OF	KECOMMENDATI	ION9:		
30 29	X X X X X X X X X X X X X X X X X X X	XXX	5%	85% *	Dood on the arrest	d aumiou and ar	notrio desi	o of the atreat with direct ac	to an alamantar:
29 28	X X X X X X X	XXXXXX	10%	80% P				n of the street with direct access	
27	XXXXXXXXXX	XX	10%	70% A	· ·		ks fronting th	ne school and park, it is recomme	ended to post a speed
26	XXXXXXX	XXXXXX	10%	60% C	limit on Saramentos	so at 30 mph.			
25	XXXXXXXXX	XXXXXX	13%	50% E					
24	XXX	xxxxxx	8%	37% *					
23	X	xxxxx	6%	29% *					
22	x x x x x x x	xxxx	9%	23% *	OBSERVED BY:	Edell Braucksiek,	Transportation \$	Studies, Inc. STUDY PREPARED BY:	Jane Mrotek
21	Х	xxx	3%	14%					
20	ХX	xxxx	5%	11%					
19		xxx	2%	6%	RECOMMENDATION	APPROVED BY:	Thomas Fra	ank, P.E.	
18	XX		2%	4%					
17	Х	x	2%	2%					
16	X		1%	1%	PER C.V.C. 40802, S	URVEY EXPIRES:	2/19/2019		
15			0%	0%					
T	OTAL NUMBER OF VEHICL	ES = 125	100%						
					-				



NORTHBOUND

VEHICLES SURVEYED

SOUTHBOUND

SPEED

(MPH)

65

64

63

62

61

60

59

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0% 100%

0%

0% 100%

0% 100%

0% 100%

100%

0% 100%

100%

100%

DATE OF SURVEY: 2/19/14 TIME START: 12:30 PM TIME STOP: 1:10 PM

DAY OF WEEK: Wednesday WEATHER: Clear LOCATION: **AVENIDA TALEGA** Avenida Vista Hermosa to Calle Saluda **ROAD CHARACTERISTICS:** Width (ft): 78 Sidewalks/Driveways: No. of Lanes for Both Directions: 4 On-Street Parking: 60 MPH Horizontal Alignment Design Speed: Crosswalks: yes Vertical Alignment Design Speed: 60 MPH Traffic Controls: Traffic signal at the intersections of Avenida Vista Hermosa and Calle Portofino **ROADWAY CONDITIONS:** Lateral Visibility: good Driveway Density: low Surface Condition: Ped.& Bicycle Activity: medium aood AVERAGE DAILY TRAFFIC: 10,000 SEGMENT LENGTH (ft) 3,050 **ACCIDENTS 3-YR TOTAL:** ACCIDENT RATE: 0.79 accidents per million 5 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: **EXISTING SPEED LIMIT:** 35 MPH APPROVED SPEED LIMIT: 35 MPH 85TH %: 39 MPH 10 MPH PACE: 30 - 39 MPH 50TH %: 33 MPH % IN PACE: 62% 15TH %: MPH 18% 28 % OVER PACE: С **AVERAGE SPEED:** 34 MPH % UNDER PACE: 20% Ε COMMENTS AND/OR RECOMMENDATIONS: Based on the geometric design of the street with direct access to Vista Del Mar elementary school, residential tracts and shopping center, it is recommended to post a speed limit on this segment of Avenida Talega at 35 MPH. **OBSERVED BY:** Edell Braucksiek, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

58				0%	100%	
57				0%	100%	
56				0%	100%	
55				0%	100%	
54				0%	100%	
53				0%	100%	
52				0%	100%	
51				0%	100%	
50				0%	100%	
49				0%	100%	
48				0%	100%	
47				0%	100%	
46	X X			1%	100%	
45	х			1%	99%	
44	x x			2%	98%	
43	x x	X		2%	96%	
42	x x x			3%	93%	
41	x x	X		3%	91%	
40	x x	ххх	(X X	6%	88%	
39	x x x	X		4%	82% *	
38	x x x	X		4%	78% *	
37	x x x	ххх	(X	6%	75% *	•
36	x x x	ххх	(X	6%	69% .	
35	XXXXX	ХХ		7%	63% A	
34	xxxxxxxx xx	XXX	(10%	57%	
33		XXX	(9%	46% E	
32	XXXXXX	ХХ		7%	38% *	
31	x x x x x x			4%	30% *	
30		XXX	(7%	27% *	•
29	x x x			4%	20%	
28	ХX			2%	16%	
27	x x x x x x x x x x	Х		6%	14%	
26	x x x x x x			4%	8%	
25	XX			1%	4%	
24	X			1%	3%	
23	X			1%	2%	
22	ХX			1%	1%	
21				0%	0%	
20				0%	0%	
19				0%	0%	
18				0%	0%	
17				0%	0%	
16				0%	0%	

PER C.V.C. 40802, SURVEY EXPIRES: 2/19/2019

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

TOTAL NUMBER OF VEHICLES = 138



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/7/14 TIME START: 11:20 AM TIME STOP: 12:00 PM
DAY OF WEEK: Tuesday WEATHER: Clear

SPEED	VEHICL	ES SURVEYED		CUML.							
(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL	%	LOCATION:	AVENIDA TALE	GA				
65			0%	100%		Calle Saluda to	East Citv Lim	it			
64			0%	100%							
63			0%	100%	ROAD CHARACTER	ISTICS:					
62			0%	100%		Width (ft):	78	Sidewa	lks/Driveways:	yes	
61			0%	100%	No. of Lanes	for Both Directions:	4		Street Parking:		
60			0%	100%		nent Design Speed:	60 MPH		Crosswalks:		
59			0%	100%	Vertical Alignm	nent Design Speed:	60 MPH	T	raffic Controls:	Traffic signal	at the intersection of Ca
58		x	0%	100%	_						Viento Fuerte East, Cm
57			0%	100%						Viento Fuerto	e West
56			0%	100%	ROADWAY CONDITI	IONS:					
55		x	0%	100%		Lateral Visibility:	good	Driv	eway Density:	low	
54			0%	99%		Surface Condition:	good	Ped.& B	icycle Activity:	low	
53			0%	99%							
52		x	0%	99%							
51		x	0%	99%	AVERAGE DAILY TR	AFFIC:	8,000	SEGMENT	LENGTH (ft):	6,500	
50	X	XXXX	2%	98%							
49		хх	1%	96%							
48	XX		1%	95%							accidents per million
47		XXXXXX	3%	94%	ACCIDENTS 3-YR TO		4		IDENT RATE:	0.37	vehicles miles
46	X	xxxxxx	3%	91%	(1/1/2011 - 12/31/201	3)		Avg. Accident Rate	in District 12:	1.81	VCI II CICS TI III CS
45		xxxx	2%	87%							
44	XXXX	xxxxxx	5%	85% *	EXISTING SPEED LI	MIT:	40 MPH	APPROVED	SPEED LIMIT:	40 MPH	
43	XXXX	x x x x x x x x	6%	80% *							
42	XXXX	XXXXX	4%	74% *							
41	XXXXX	x x x x x x x	6%	70% F							
40	XXXX	x x x x x x x	5%	64%		44	MPH	10 MPH P.	ACE:	35 - 44	MPH
39	x x x x x x x x	XXXXXX	7%	59%							
38	XXXXX	XXXXXXXX	7%	51% E	50TH %:	37	MPH	% IN PAC	E:	58%	
37	XXXX	XXXXXX	5%	44% *							
36	x x x x x x x x	XXXXX	6%	40% *	15TH %:	31	MPH	% OVER F	PACE:	15%	
35	X X X X X X X	xxxxx	6%	33% *						0=01	
34	XXXXX	xxxxx	5%	27%	AVERAGE SPEED:	38	MPH	% UNDER	PACE:	27%	
33	XXXXX	xxx	4%	22%							
32	XXXXX		3%	18%	COMMENTO AND/OF		10110				
31	XXXXX		2% 2%	15% 13%	COMMENTS AND/OF	R RECOMMENDAT	IONS:				
30 29	XXXX	X	1%	10%	Described and the second of	and a day of the and		- Mara Dal Mana			
29 28	XXX	V	2%	9%	Based on geometri						
28 27	X X X X X	- I^	0%	6%	courses, it is recom	nmended to post	a speed limit	on this segment of	Avenida Tal	ega at 40	mph.
26	XXX	V	2%	6%							
25	XXXX	1	2%	4%							
24	XXX		1%	2%							
23	^ ^ ^		0%	0%							
22			0%	0%	OBSERVED BY:	Mike Almir, Transp	ortation Studie	s Inc. STUDY PR	REPARED BY:	Jane Mrote	k
21			0%	0%]	winto / timin, mano	ortation otdate	0, 1110.		Sanc Milote	/K
20	x		0%	0%							
19			0%	0%	RECOMMENDATION	APPROVED BY:	Thomas Frai	nk. P.E.			
18			0%	0%		• •		•			
17			0%	0%							
16		 	0%	0%	PER C.V.C. 40802, S	URVEY EXPIRES.	1/7/2019				
15			0%	0%	1 =1. 0.7.0. 40002, 3	O. TET ENTINES.	1/1/2010				
	OTAL NUMBER OF VEHICLE	S = 205	100%	370							
11	JIAL NUMBER OF VEHICLE	3 = 200	100%								



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/6/2014 TIME START: 12:30 PM TIME STOP: 1:18 PM

6/17/2014

DAY OF WEEK: Monday WEATHER: Clear

SPEED	VELICIES	SUDVEVED		DAT OF WEEK: Moliday WEATHER: Clear
	VEHICLES		% OF CUML.	AVENIDA VACHEDO
(MPH)	EASTBOUND	WESTBOUND	TOTAL % 0% 100%	LOCATION: AVENIDA VAQUERO
65 64			0% 100%	Camino De Los Mares to Calle Guadalajara
			0% 100%	ROAD CHARACTERISTICS:
63 62			0% 100%	
61			0% 100%	Width (ft): 56 Sidewalks/Driveways: yes No. of Lanes for Both Directions: 2 On-Street Parking: yes
60			0% 100%	Horizontal Alignment Design Speed: 30 MPH Crosswalks: no
59			0% 100%	Vertical Alignment Design Speed: 30 MPH Closswards. In Traffic Controls: Traffic signal at Cm de los Mares;
58			0% 100%	signs at CI Vallarta & CI Guadalaj
57			0% 100%	ogiota o Fanata a o Fanata a o
56			0% 100%	ROADWAY CONDITIONS:
55			0% 100%	Lateral Visibility: good Driveway Density: medium
54			0% 100%	
53			0% 100%	Surface Condition: good Ped.& Bicycle Activity: medium
52			0% 100%	
52 51			0% 100%	AVERAGE DAILY TRAFFIC: 6,500 SEGMENT LENGTH (ft): 1,660
50			0% 100%	72 ENGLE MALTINE. 0,000 SEGMENT ELNOTH (II). 1,000
49			0% 100%	
48			0% 100%	
47			0% 100%	ACCIDENTS 3-YR TOTAL: 5 ACCIDENT RATE: 2.23 accidents per million
46			0% 100%	(1/1/2011 - 12/31/2013) Avg. Orange County Rate (2010): 1.32 vehicles miles
45			0% 100%	
44			0% 100%	EXISTING SPEED LIMIT: 30 MPH APPROVED SPEED LIMIT: 30 MPH
43	ХX		1% 100%	
42		X	0% 99%	
41	X	X	1% 99%	
	XXXX		2% 98%	85TH %: 35 MPH 10 MPH PACE : 27 - 36 MPH
		XX	2% 96%	
	XXXX	X	3% 93%	50TH %: 31 MPH % IN PACE: 81%
	XXX	X	2% 90%	
		XXXXX	7% 88%	15TH %:27 MPH % OVER PACE:12%
		XX	5% 81%	
	xxxxxxxxxxxxxx		10% 76%	AVERAGE SPEED: 32 MPH % UNDER PACE: 7%
	X X X X X X X X	x x x x x x x x x x x x	10% 66%	
	X X X X X X X X X	XXXXXX	8% 56% A	
		XXXXXXXX		
	x x x x x x x x x x x x x	X X X X X X X X X X X X X X X X X X X	11% 42%	
		XXXXXXXXXXXXXXX	7% 19%	Based on the street geometric design, density of residential driveways directly fronting the street,
		XXXXXXX	5% 12%	access to Shorecliff Golf club, it is recommended to post a speed limit on this segment of Avenida
		XXX	2% 7%	Vaquero at 30 MPH.
		XXXX	2% 4%	
	X	2020	0% 2%	
23	x		0% 1%	
22	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	x	0% 1%	OBSERVED BY: Mike Almir, Transportation Studies Inc. STUDY PREPARED BY: Jane Mrotek
21	 	' 	0% 0%	Minor mini, Transportation Gladies inc.
20	x		0% 0%	
19			0% 0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18			0% 0%	
17			0% 0%	
16			0% 0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/6/2019
15			0% 0%	
10				



EASTBOUND

VEHICLES SURVEYED

XXX

XXX

X X X X

XXXXX

X X X X X X X

X X X X X X X X

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WESTBOUND

SPEED

(MPH)

65

64

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54

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52 51

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49

48

47

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43 42

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XXXXXXX

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x x x x x x x

XXXXXXXXXXXXXX

TOTAL NUMBER OF VEHICLES =

XXXXX XXXXXX

CITY OF SAN CLEMENTE

SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

% OF

TOTAL

0% 100%

0% 100%

0% 100%

0%

0% 100%

0% 100%

0% 100%

0%

0% 100%

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98%

96%

94%

92%

87%

79%

74%

67%

54%

36%

30%

21%

15%

10%

7%

6% 5%

3%

2%

1%

1%

0%

0%

0%

0%

0%

DATE OF SURVEY: 1/6/2014 TIME START: 1:20 PM TIME STOP: 2:00 PM

DAY OF WEEK: Monday WEATHER: Clear LOCATION: **AVENIDA VAQUERO** Calle Guadalajara to Calle Vista Torito **ROAD CHARACTERISTICS:** Width (ft): 56 Sidewalks/Driveways: yes No. of Lanes for Both Directions: 2 On-Street Parking: Horizontal Alianment Design Speed: 30 MPH Crosswalks: no Vertical Alignment Design Speed: Traffic Controls: Stops at Torito, San Gorgonio & 30 MPH Guadalajara. **ROADWAY CONDITIONS:** Lateral Visibility: Driveway Density: good high Surface Condition: Ped.& Bicycle Activity: medium good **AVERAGE DAILY TRAFFIC:** 4.200 SEGMENT LENGTH (ft): 3,200 **ACCIDENTS 3-YR TOTAL:** accidents per million ACCIDENT RATE: vehicles miles Avg. Orange County Rate (2010): (1/1/2011 - 12/31/2013) **EXISTING SPEED LIMIT:** 30 MPH APPROVED SPEED LIMIT: 30 MPH 85TH %: MPH 10 MPH PACE: 29 - 38 MPH 50TH %: 32 **MPH** % IN PACE: 77% 15TH %: 28 **MPH** % OVER PACE: 8% MPH 15% **AVERAGE SPEED:** 33 % UNDER PACE: С 46% **COMMENTS AND/OR RECOMMENDATIONS:** Based on the street geometric design, high accident rate, density of residential driveways directly fronting the street, access to Shorecliffs middle school and San Gorgonio park, it is recommended to post a speed limit on this segment of Avenida Vaquero at 30 MPH. **OBSERVED BY:** STUDY PREPARED BY: Jane Mrotek Mike Almir, Transportation Studies Inc. RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/6/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/6/2014 TIME START: 1:20 PM TIME STOP: 2:47 PM

DAY OF WEEK: Monday WEATHER: Clear

	UFOR			DAY OF WEEK: Monday WEATHER: Clear
SPEED	VEHICLE	S SURVEYED	% OF CUML.	
(MPH)	EASTBOUND	WESTBOUND	TOTAL %	LOCATION: AVENIDA VAQUERO
65			0% 100%	Calle Vista Torito to Camino Capistrano
64			0% 100%	
63			0% 100%	ROAD CHARACTERISTICS:
62			0% 100%	Width (ft): 56 Sidewalks/Driveways: yes
61			0% 100%	No. of Lanes for Both Directions: 2 On-Street Parking: yes
60			0% 100%	Horizontal Alignment Design Speed: 30 MPH Crosswalks: yes
59			0% 100%	Vertical Alignment Design Speed: 30 MPH Traffic Controls: Stops at Torito, Montecito, Grande
58			0% 100%	Vista and Cascadita; Traffic signal at
57			0% 100%	Capistrano.
56			0% 100%	ROADWAY CONDITIONS:
55			0% 100%	Lateral Visibility: good Driveway Density: medium
54			0% 100%	Surface Condition: good Ped.& Bicycle Activity: medium
53			0% 100%	
52			0% 100%	
51			0% 100%	AVERAGE DAILY TRAFFIC: 5,100 SEGMENT LENGTH (ft): 1,920
50			0% 100%	
49	x		0% 100%	
48			0% 100%	
47			0% 100%	ACCIDENTS 3-YR TOTAL: 2 ACCIDENT RATE: 0.98 accidents per million
46			0% 100%	(1/1/2011 - 12/31/2013) Avg. Orange County Rate (2010): 1.32 vehicles miles
45			0% 100%	
44			0% 100%	EXISTING SPEED LIMIT: 30 MPH APPROVED SPEED LIMIT: 30 MPH
43	x		0% 100%	
42			0% 99%	
41			0% 99%	
40	x	x	1% 99%	85TH %: 34 MPH 10 MPH PACE : 27 - 36 MPH
39	x	хх	1% 98%	
38	x	x	1% 97%	50TH %: 31 MPH % IN PACE : 83%
37		xxx	1% 96%	
36	xxxxx	xxxxxxxx	7% 94% *	15TH %: 27 MPH % OVER PACE : 6%
35	xxxx	xxxxxxxxx	7% 87% *	
34	xxxxxxxx	xxxxxxxxxxx	10% 80% *	AVERAGE SPEED: 31 MPH % UNDER PACE: 11%
33	XXXXXXXXXXX	xxxxxxxxxx	11% 70% P	
32	xxxxxxxxx	xxxxxxxxxxx	11% 58% A	
31	XXXXXXXXXX	xxxxxxxxx	10% 48% C	COMMENTS AND/OR RECOMMENDATIONS:
30	xxxxx	xxxxxxxx	7% 37% E	
29	xxxxxxxxxxxx	xxx	8% 30% *	Based on the street geometric design, density of residential driveways directly fronting the street,
28	XXXXXXXXX	xxx	6% 22% *	access to Shorecliffs middle school and San Gorgonio park, it is recommended to post a speed limit
27	XXXXX	xxxx	5% 16% *	
26	xx	ХX	2% 11%	on this segment of Avenida Vaquero at 30 MPH.
25	XXX	XXXXX	4% 9%	
24	x	ХX	1% 5%	
23			0% 3%	
22	xxx	хх	2% 3%	OBSERVED BY: Mike Almir, Transportation Studies Inc. STUDY PREPARED BY: Jane Mrotek
21	x		0% 1%	
20	x		0% 0%	
19			0% 0%	RECOMMENDATION APPROVED BY: Thomas Frank, P.E.
18			0% 0%	
17			0% 0%	
16			0% 0%	PER C.V.C. 40802, SURVEY EXPIRES: 1/6/2019
15			0% 0%	
Т	OTAL NUMBER OF VEHICLES	i = 202	100%	
1				



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/9/14 TIME START: 1:15 PM TIME STOP: 2:00 PM

DAY OF WEEK: Thursday WEATHER: Hazy

65 0% 10 0	PEED	VEHICLES NORTHBOUND									Ť	SOUTHBOUND												% OF	CUML.				
64 63	MPH)					INI	76	(11	пс	50	Uľ	ND	_		-	-		-	31	70	, 11	ПС	90	UN	יי	-	1		%
63	65														ш												Щ		100%
62		Ш													ш												Щ		100%
61															ш												Щ		100%
60															ш												Щ		100%
59															ш												Щ		100%
10% 10%															ш												Щ		100%
57 56 57 58 58 59 60 60 60 60 60 60 60 60 60 60 60 60 60															ш												Щ		100%
56 0% 10 0% 10 0% 10 55 54 0% 10 0% 10 50 10 0% 10 50 10 0% 10 50 0% 9 10 50 0% 9 9 49 X 0% 9 9 48 X 2% 9 9 44 47 XXXXX 2% 9 49 44 XXXXX 2% 9 49 44 XXXXX 2% 9 49 44 47 XXXXX 2% 9 9 44 47 XXXXXX 2% 9 9 44 47 XXXXXXX 5% 9 8 44 47 XXXXXXXX 5% 9 8 44 47 XXXXXXXXXXXXX 5% 9 49 49 42 42 47 47 47 47 47															ш												Щ		100%
55		Ш													Н												Щ		100%
54 0% 10 0% 10 0% 10 0% 10 0% 10 0% 10 0% 10 0% 10 0% 10 0% 10 0% 9 10 0% 10 0% 9 9 48 X 0% 9 9 48 X 2% 9 9 44 X X X 2% 9 44 X X X X 2% 9 44 4 X															н												H		100%
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Horizontal Alignm	Width (for Both Direction	4 ed: 45 MPH	Sidewalks/Driveways: On-Street Parking: Crosswalks: Traffic Controls:	no yes Traffic signa	ls at Av Pico, Via Pacifica ca, Cl Paradiso; Stop sign
ROADWAY CONDITIO	Lateral Visibili	,	Driveway Density:	at Hermosa.	, , ,
AVERAGE DAILY TR	Surface Condition		Ped.& Bicycle Activity: SEGMENT LENGTH (ft):		
ACCIDENTS 3-YR TO (1/1/2011 - 12/31/2013		9	ACCIDENT RATE: Avg. Accident Rate in District 12:	1.19	accidents per million vehicles miles
EXISTING SPEED LIF	MIT:	40 MPH	APPROVED SPEED LIMIT:	40 MPH	
85TH %:	43	MPH	10 MPH PACE:	35 - 44	MPH
50TH %:	38	MPH	% IN PACE:	72%	
15TH %:	34	MPH	% OVER PACE:	13%	
AVERAGE SPEED:	39	MPH	% UNDER PACE:	15%	
	etric of the stre	et with rolling g	rades, direct access to residenti d limit on this segment of Vera 0		

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019



SPEED LIMIT - ENGINEERING & TRAFFIC SURVEY

DATE OF SURVEY: 1/9/14 TIME START: 2:05 PM TIME STOP: 3:00 PM

DAY OF WEEK: Thursday WEATHER: Hazy

Light NoRTHBOUND SOUTHBOUND Total	SPEED	VEHICLES SURVEYED			CUML.	
Comment Comm	(MPH)	NORTHBOUND	SOUTHBOUND	% OF TOTAL		LOCATION: CAMINO VERA CRUZ
ROAD CHARACTERISTICS: Width (ft): 64 Sidewalks:Driveways: yes No. of Lanes for Each Directions: 4 No. of Lanes for Each Direction States	65			0%	100%	Avenida Vista Hermosa to Via Blanco
	64			0%	100%	
1	63			0%	100%	ROAD CHARACTERISTICS:
Horizontal Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at otolers for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 46 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45 MFH Traffic Controls: Tulfic signs at Others for Vertical Alignment Design Speed: 45	62			0%	100%	Width (ft): 64 Sidewalks/Driveways: yes
Horizontal Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes at Colles for Vertical Alignment Design Speed: 45 MPH Traffic Controls: Traffic gignes for MPH Traffic Controls: Traffic gignes for MPH Traffic Controls: Traffic gignes for MPH Traffic Controls: Traffic gignes for MPH Traffic Controls: Traffic gignes for MPH Traff	61			0%	100%	No. of Lanes for Both Directions: 4 On-Street Parking: no
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Second Control Contr	59			0%	100%	
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Section Sect	57			0%	100%	Ave Vista Hermosa.
Sufface Condition: Surface	56			0%	100%	ROADWAY CONDITIONS:
Sufface Condition: Surface	55			0%	100%	Lateral Visibility: good Driveway Density: low
S2				0%	100%	
Second			+++++++++++++++++++++++++++++++++++++++			Surface Continuon. good real a bicycle Activity. low
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49	_	v	+++++++++++++++++++++++++++++++++++++++			AVERAGE DAILT TRAFFIC. 17,000 SEGMENT LENGTH (II). 3,250
ACCIDENTS 3-YR TOTAL: 10 ACCIDENT RATE: 0.87 accidents per			 			
## ACCIDENTS APE TOTAL: 10			 			
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20			XX			Mike Almir, Transportation Studies, Inc. STODY PREPARED B1. Jane Mirotek
19						
18			+++++++++++++++++++++++++++++++++++++++			DECOMMENDATION ADDROVED BY: Thomas Frank B.F.
17	_		+++++++++++++++++++++++++++++++++++++++			INCOMINE INDIA TO AFFROVED BI. INOMAS FRANK, P.E.
16 0% 0% 0% 15 PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019			+++++++++++++++++++++++++++++++++++++++			
15 0% 0%			+++++++++++++++++++++++++++++++++++++++			4/9/9949
						PER C.V.C. 40802, SURVEY EXPIRES:
TOTAL NUMBER OF VEHICLES = 200 100%			<u> </u>		0%	
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TOTAL NUMBER OF VEHICLES = 202

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CITY OF SAN CLEMENTE

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DATE OF SURVEY: 1/9/14 TIME START: 3:05 PM TIME STOP: 4:00 PM

DAY OF WEEK: Thursday WEATHER: Hazy LOCATION: CAMINO VERA CRUZ Via Blanco to Camino De Los Mares **ROAD CHARACTERISTICS:** Width (ft): 64 Sidewalks/Driveways: 4 no No. of Lanes for Both Directions: On-Street Parking: Horizontal Alignment Design Speed: 45 MPH Crosswalks: yes Traffic Controls: Traffic signal at Camino De Los Mares Vertical Alignment Design Speed: 50 MPH **ROADWAY CONDITIONS:** Lateral Visibility: good Driveway Density: low Surface Condition: Ped.& Bicycle Activity: medium aood AVERAGE DAILY TRAFFIC: 10,500 SEGMENT LENGTH (ft): 4,170 **ACCIDENTS 3-YR TOTAL:** ACCIDENT RATE: accidents per million 5 0.55 vehicles miles (1/1/2011 - 12/31/2013) Avg. Accident Rate in District 12: **EXISTING SPEED LIMIT:** 35 MPH APPROVED SPEED LIMIT: 35 MPH 85TH %: MPH 41 10 MPH PACE: 32 - 41 MPH 50TH %: 35 MPH % IN PACE: 72% 15TH %: MPH % OVER PACE: 14% 31 14% **AVERAGE SPEED:** 36 MPH % UNDER PACE: COMMENTS AND/OR RECOMMENDATIONS:

Based on the geometric of the street with steep vertical grade, mid-block crosswalk at the school, direct access to Truman Benedict school and Forster Ranch park, it is recommended to post a speed limit on this segment of Vera Cruz at 35 MPH.

OBSERVED BY: Mike Almir, Transportation Studies, Inc. STUDY PREPARED BY: Jane Mrotek

RECOMMENDATION APPROVED BY: Thomas Frank, P.E.

PER C.V.C. 40802, SURVEY EXPIRES: 1/9/2019