



AGENDA REPORT

SAN CLEMENTE CITY COUNCIL MEETING

Meeting Date: May 21, 2019

Agenda Item

9-C

Approvals:

City Manager

Dept. Head

Attorney

Finance

Department: Public Works / Engineering
Prepared By: Nestor Mangohig, Senior Civil Engineer - Traffic
Subject: ESTABLISHMENT OF CITYWIDE POSTED SPEED LIMITS.
Fiscal Impact: None.

Summary: The Planning Commission and staff recommend that the City Council approve the establishment of speed limits based on the Engineering and Traffic Survey (E&TS) summarized on the attached Speed Summary Exhibit. This is to comply with the California Vehicle Code (CVC) and California Manual on Uniform Traffic Control Devices (CA MUTCD) requirements for reevaluating all non-statutory speed limits every five years.

Background: The CVC and CA MUTCD govern the criteria for establishment of speed limits in local municipalities. For speed limits to be valid and enforceable, the CVC requires that an E&TS be conducted every five years in order to justify posted speed limits for non-statutory streets.

CVC provisions allow an E&TS to remain valid for seven or ten years in certain cases related to citing officer radar/lidar certification, timely radar calibration, and an engineering determination that underlying roadway or traffic conditions have remained unchanged. Since there have been several changes implemented on the City's transportation infrastructure within the last five years (e.g. roadway segment extensions – Avenida La Pata, Camino Del Rio; lane reconfigurations – El Camino Real, Avenida Vaquero; Caltrans interchange widening – Avenida Pico; etc.), the decision was made to conduct new E&TS's in order to certify speed limits on a citywide basis.

Current speed limit procedures require an agency to establish speed limits at or near the surveyed 85th percentile speed. The 85th percentile speed is defined as the speed at which 85% of vehicles documented in the E&TS travel at or below. Typically the 85th percentile speed is rounded to the nearest five (5) mile per hour (mph) increment to establish the speed limit.

The CVC allows an agency to round the surveyed 85th percentile speed down to the lower 5 mph increment to establish the speed limit even when mathematical rounding would otherwise require rounding up to the nearest 5 mph. However, in these instances, an additional 5 mph reduction is not permitted beyond the rounding down.

A speed survey that is rounded to the nearest 5 mph increment or that lands on an even 5 mph increment may be reduced an additional 5 mph to establish the speed limit when conditions and justification are documented in the E&TS and approved by a registered Civil and/or Traffic Engineer.

Discussion: Staff has conducted speed surveys for City streets that require a current E&TS to justify posted speed limits. The attached exhibit summarizes the speed survey results and the recommended speed for each roadway. The only recommended changes from existing speed limits are as follows:

1. Camino Capistrano, from El Camino Real (Pacific Coast Highway) to north City limit – reduce from 35 mph to 30 mph; and
2. Calle Del Cerro, from Avenida Pico to Avenida Vista Montana (west) – reduce from 40 mph to 35 mph.

The item was unanimously approved by the Planning Commission at their meeting on April 17, 2019.

Recommended

Action: PLANNING COMMISSION AND STAFF RECOMMEND THAT the City Council:

1. Approve the establishment of speed limits on City streets; and
2. Introduce Ordinance No. ____ entitled "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."

Attachments: 1. Proposed Ordinance
2. Speed Summary Exhibit

Notification: None.

s:\cd\engineering\secure\admin\2019\5-7-19\5-7-19-4r.docx

ORDINANCE NO.

**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 17, 2019 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 from Avenida Vista Montana to Calle Pastadero	Thirty miles per hour
Altea, Calle from Calle Pedriza to terminus	Thirty-five miles per hour

Mares, Camino de Los from Avenida Vaquero to its easterly City limit	Forty-five miles per hour
Mira Costa, Camino from Camino de Estrella to Camino Capistrano	Thirty-five miles per hour
Montana, Avenida Vista from Calle Del Cerro to Calle Del Cerro	Thirty-five miles per hour
Negocio, Calle from Calle Amanecer to its terminus	Thirty-five miles per hour
Pastadero, Calle from Avenida Vista Montana to its terminus	Thirty miles per hour
Pico, Avenida from El Camino Real to Calle Frontera/ Avenida Presidio	Thirty-five miles per hour
Pico, Avenida from Calle Frontera/Avenida Presidio to Avenida La Pata	Forty-five miles per hour
Pico, Avenida from Avenida La Pata to east City limits	Fifty miles per hour
Portico Del Sur/Norte from Camino de Los Mares to Camino de Los Mares	Thirty-five miles per hour
Real, El Camino (Pacific Coast Highway) from Camino Capistrano to Avenida Estacion	Forty-five miles per hour
Real, El Camino from Avenida Estacion to El Portal	Thirty-five miles per hour
Real, El Camino from El Portal to Avenida Valencia	Thirty miles per hour

Amanecer, Calle from Avenida Pico to Avenida La Pata	Thirty-five miles per hour
Califia, Avenida from Avenida Del Presidente to terminus	Twenty-five miles per hour
Capistrano, Camino from El Camino Real to north City limit	Thirty miles per hour
Cerro, Calle Del from Avenida Pico to lower Avenida Vista Montana (west)	Thirty-five miles per hour
Cerro, Calle Del from lower Avenida Vista Montana (west) to Avenida La Pata	Thirty-five miles per hour
Del Rio, Camino from Camino de Los Mares to easterly terminus	Forty miles per hour
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

Real, El Camino
from Avenida Valencia to southern City Limit

Thirty-five miles per hour

Saluda, Calle
From Avenida La Pata to Avenida Talega

Thirty-five miles per hour

San Pablo, Avenida
from Avenida Acapulco to northerly terminus

Thirty-five miles per hour

Sarmentoso, Calle
from Camino Vera Cruz to Camino Del Rio

Thirty miles per hour

Talega, Avenida
from Avenida Vista Hermosa to Calle Saluda

Thirty-five miles per hour

Talega, Avenida
from Calle Saluda to East City Limit

Forty miles per hour

Vaquero, Avenida
from Camino de Los Mares to Camino
Capistrano

Thirty miles per hour

Vera Cruz, Camino
from Avenida Pico to Via Blanco

Forty miles per hour

Vera Cruz, Camino
from Via Blanco to Camino De Los Mares

Thirty-five miles per hour

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 by law.

APPROVED AND ADOPTED this _____ day of _____, _____.

ATTEST:

City Clerk of the City of
San Clemente, California

Mayor of the City of San
Clemente, California

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss.
CITY OF SAN CLEMENTE)

I, **JOANNE BAADE**, City Clerk of the City of San Clemente, California, hereby certify that Ordinance No. _____ having been regularly introduced at the meeting of _____, was again introduced, the reading in full thereof unanimously waived, and duly passed and adopted at a regular meeting of the City Council held on the _____ day of _____, _____, and said ordinance was adopted by the following vote:

AYES:

NOES:

ABSENT:

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of San Clemente, California, this _____ day of _____, _____.

CITY CLERK of the City of
San Clemente, California

APPROVED AS TO FORM:

CITY ATTORNEY

CITY OF SAN CLEMENTE
CITYWIDE SPEED LIMITS

Attachment 2

SUMMARY OF ENGINEERING AND TRAFFIC SURVEY
Updated April 2019

E&T Page No.	Location	ADT ¹	Posted Speed Limit	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit	Change
1	Acapulco, Avenida Avenida San Pablo to Avenida San Pablo	1,500	35 mph	12/21/18	31 mph	35 mph	35 mph	No
2	Aguila, Calle Avenida Vista Montana to Calle Pastadero	3,100	30 mph	12/3/18	28 mph	32 mph	30 mph	No
3	Altea, Calle Camino La Pedriza to Terminus	3,100	35 mph	12/27/18	32 mph	37 mph	35 mph	No
4	Amanecer, Calle Avenida Pico to Avenida La Pata	16,300	35 mph	12/3/18	32 mph	36 mph	35 mph	No
5	Califia, Avenida Avenida Del Presidente to terminus	4,100	25 mph	12/17/18	25 mph	29 mph	25 mph	No
6	Capistrano, Camino El Camino Real (Pacific Coast Highway) to North City Limit	7,700	35 mph	11/28/18	29 mph	32 mph	30 mph	Yes
7	Cerro, Del Calle Avenida Pico to Avenida Vista Montana (west)	9,400	40 mph	12/3/18	32 mph	37 mph	35 mph	Yes
8	Cerro, Del Calle Avenida Vista Montana (west) to Avenida La Pata	8,300	35 mph	12/18/18	36 mph	40 mph	35 mph	No
9	Del Rio, Camino Camino De Los Mares to Legendario	7,400	40 mph	11/28/18	43 mph	47 mph	40 mph	No
10	Legendario to Precipicio	6,800		11/28/18	41 mph	45 mph		
11	Precipicio to Avenida La Pata	6,400		12/28/18	43 mph	47 mph		
12	El Camino Real (Pacific Coast Highway) Camino Capistrano to Avenida Estacion	15,400	45 mph	2/25/19	40 mph	44 mph	45 mph	No
13	El Camino Real Avenida Estacion to Calle De Los Molinos	15,600	35 mph	12/3/18	30 mph	35 mph	35 mph	No
14	Calle De Los Molinos to El Portal	14,100		12/3/18	30 mph	34 mph		
15	El Camino Real El Portal to Avenida Palizada	13,300	30 mph	12/20/18	31 mph	34 mph	30 mph	No
16	Avenida Palizada to Avenida Presidio	14,300		2/19/19	28 mph	31 mph		
17	Avenida Presidio to Avenida Valencia	16,000		12/20/18	31 mph	35 mph		
18	El Camino Real Avenida Valencia to Del Comercio	11,200	35 mph	12/20/18	35 mph	39 mph	35 mph	No
19	Del Comercio to South City Limit	3,300		3/13/19	37 mph	41 mph		
20	El Portal, East El Camino Real to Avenida de La Estrella	3,000	25 mph	12/20/18	28 mph	31 mph	25 mph	No

¹ADT - Average Daily Traffic from 2018-2019

CITY OF SAN CLEMENTE
CITYWIDE SPEED LIMITS

SUMMARY OF ENGINEERING AND TRAFFIC SURVEY
Updated April 2019

E&T Page No.	Location	ADT ¹	Posted Speed Limit	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit	Change
21	Estrella, Avenida De La Avenida Presidio to East El Portal	6,830	25 mph	11/30/18	26 mph	31 mph	25 mph	No
22	Estrella, Camino de Interstate 5 to West City Limit	10,600	35 mph	11/30/18	35 mph	40 mph	35 mph	No
23	Faro, Camino Calle Frontera to Avenida Vista Hermosa	1,600	25 mph	12/10/18	25 mph	29 mph	25 mph	No
24	Fresas, Avenida (CVC Private Street) Calle Saluda to Calle Gaulteria	2,700	35 mph	11/26/18	35 mph	38 mph	35 mph	No
25	Frontera, Calle Avenida Pico to 600' s/o Cuadra	4,800	30 mph	11/28/18	32 mph	35 mph	30 mph	No
26	Frontera, Calle ~600' S. of Calle Cuadra to Calle Vallarta	3,100	25 mph	2/26/19	24 mph	26 mph	25 mph	No
27	Fuerte, Camino Viente (CVC Private Street) Avenida Talega west to Via Agradar Via Agradar to Avenida Talega east	3,600	35 mph	11/26/18	37 mph	41 mph	35 mph	No
28		1,300		12/11/18	30 mph	34 mph		
29	Grande, Camino Tierra (CVC Private Street) Avenida Talega to Via Timon Via Timon to Camino Viento Fuerte	2,900	35 mph	11/26/18	36 mph	39 mph	35 mph	No
30		1,400		12/11/18	31 mph	34 mph		
31	Guadalajara, Calle Calle Nuevo to Avenida Vaquero	1,800	25 mph	3/25/19	29 mph	32 mph	25 mph	No
32	Hermosa West, Avenida Vista Avenida Costa Azul to Avenida Pico (west) I-5 Southbound Off-ramp to Avenida Costa Azul	10,000	40 mph	11/27/18	36 mph	40 mph	40 mph	No
33		17,800		11/27/18	38 mph	41 mph		
34	Hermosa, Avenida Vista I-5 Southbound Off-ramp to Via Turqueza Via Turqueza to Camino Vera Cruz	33,000	40 mph	11/28/18	41 mph	46 mph	40 mph	No
35		21,300		11/28/18	41 mph	46 mph		
36	Hermosa, Avenida Vista Camino Vera Cruz to Avenida La Pata Avenida La Pata to Avenida Pico	24,600	45 mph	11/28/18	41 mph	47 mph	45 mph	No
37		24,500	45 mph	11/28/18	45 mph	49 mph		
38	La Pata, Avenida Camino Del Rio to County of Orange Limit Line	16,300	55 mph	11/26/18	48 mph	53 mph	55 mph	No

¹ADT - Average Daily Traffic from 2018-2019

CITY OF SAN CLEMENTE
CITYWIDE SPEED LIMITS

SUMMARY OF ENGINEERING AND TRAFFIC SURVEY
Updated April 2019

E&T Page No.	Location	ADT ¹	Posted Speed Limit	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit	Change
39	La Pata, Avenida Camino Del Rio to Calle Saluda	24,400	45 mph	11/30/18	47 mph	50 mph	45 mph	No
40	Calle Saluda to Avenida Vista Hermosa	32,500		11/30/18	46 mph	50 mph		
41	Avenida Vista Hermosa to Avenida Pico	24,800		2/20/19	44 mph	48 mph		
42	Avenida Pico to Calle Del Cerro	11,300		11/30/18	45 mph	50 mph		
43	Calle Del Cerro to South City Limit	5,500		11/30/18	43 mph	49 mph		
44	La Pedriza, Camino Avenida Vista Hermosa to Via Amor	7,800	40 mph	11/27/18	39 mph	42 mph	40 mph	No
45	Via Amor to Avenida Pico	4,000		11/27/18	40 mph	45 mph		
46	Mares, Camino De Los Interstate 5 to Avenida Vaquero	37,000	35 mph	12/7/18	30 mph	34 mph	35 mph	No
47	Mares, Camino De Los Avenida Vaquero to Camino Vera Cruz	19,000	45 mph	12/4/18	46 mph	49 mph	45 mph	No
48	Camino Vera Cruz to East City Limit	5,000		11/26/18	44 mph	48 mph		
49	Mira Costa, Camino Camino Capistrano to Camino De Estrella	6,500	35 mph	11/28/18	36 mph	40 mph	35 mph	No
50	Montana, Avenida Vista Calle Del Cerro to Calle Del Cerro	5,000	35 mph	12/18/18	37 mph	41 mph	35 mph	No
51	Negocio, Calle Calle Amanecer to its terminus	5,700	35 mph	12/18/18	30 mph	33 mph	35 mph	No
52	Ola Vista, South Avenida Del Mar to Avenida Valencia	3,500	25 mph	12/19/18	28 mph	30 mph	25 mph	No
53	Avenida Valencia to Avenida Califia	2,000		12/19/18	28 mph	30 mph		
54	Pastadero, Calle Avenida Vista Montana to its terminus	700	30 mph	12/18/18	34 mph	37 mph	30 mph	No
55	Pico, Avenida El Camino Real to Calle De Los Molinos	12,000	35 mph	11/30/18	28 mph	34 mph	35 mph	No
56	Calle De Los Molinos to Cale Frontera / Avenida Presidio	46,000		11/30/18	31 mph	37 mph		
57	Pico, Avenida Calle Frontera/Avenida Presidio to Amanecer	43,300	45 mph	2/20/19	47 mph	51 mph	45 mph	No
58	Calle Amanecer to Avenida La Pata	29,000		2/20/19	44 mph	47 mph		
59	Pico, Avenida Avenida La Pata to Avenida Vista Hermosa	21,200	50 mph	2/20/19	45 mph	50 mph	50 mph	No
60	Avenida Vista Hermosa to East City Limit	12,600		11/30/18	42 mph	49 mph		
61	Portico Del Sur / Norte Camino de Los Mares to Camino de Los Mares	2,200	35 mph	12/10/18	38 mph	42 mph	35 mph	No

¹ADT - Average Daily Traffic from 2018-2019

CITY OF SAN CLEMENTE
CITYWIDE SPEED LIMITS

SUMMARY OF ENGINEERING AND TRAFFIC SURVEY
Updated April 2019

E&T Page No.	Location	ADT ¹	Posted Speed Limit	Date of Survey	Average Speed	85th Percentile Speed	Recommended Speed Limit	Change
62 63	Presidente, Avenida Del Avenida Valencia to Avenida Califa Avenida Califa to Cristianitos Road	3,500 5,100	30 mph	2/19/19 12/19/18	33 mph 30 mph	37 mph 34 mph	30 mph	No
64 65	Presidio, Avenida El Camino Real to Calle Escuela Calle Escuela to Avenida Pico	2,200 8,500	25 mph	3/13/19 12/18/18	31 mph 27 mph	32 mph 30 mph	25 mph	No
66	Puerta del Sol / Hermosa, Avenida Vista Avenida Pico to Avenida Pico	3,500	30 mph	2/20/19	29 mph	33 mph	30 mph	No
67 68	Saluda, Calle Avenida La Pata to Avenida Fresas Avenida Fresas to Avenida Talega	8,400 5,100	35 mph	3/19/19 12/4/18	38 mph 31 mph	40 mph 36 mph	35 mph	No
69	Salvador, Avenida Avenida Presidio to Avenida San Pablo	1,600	25 mph	12/17/18	28 mph	32 mph	25 mph	No
70	San Pablo, Avenida San Gabriel to Avenida Acapulco	3,500	25 mph	12/19/18	26 mph	28 mph	25 mph	No
71	San Pablo, Avenida Avenida Acapulco to northerly terminus	1,500	35 mph	2/26/19	36 mph	41 mph	35 mph	No
72	Sarmentoso, Calle Camino Vera Cruz to Camino Del Rio	5,200	30 mph	3/19/19	35 mph	37 mph	30 mph	No
73	Talega, Avenida Avenida Vista Hermosa to Calle Saluda	9,800	35 mph	12/4/18	30 mph	35 mph	35 mph	No
74	Talega, Avenida Calle Saluda to East City Limit	9,600	40 mph	12/4/18	41 mph	46 mph	40 mph	No
75 76 77	Vaquero, Avenida Camino De Los Mares to Calle Guadalajara Calle Guadalajara to Calle Vista Torito Calle Vista Torito to Camino Capistrano	6,200 3,800 10,600	30 mph	11/27/18 2/25/19 11/27/18	30 mph 34 mph 31 mph	35 mph 37 mph 35 mph	30 mph	No
78 79	Vera Cruz, Camino Avenida Pico to Avenida Vista Hermosa Avenida Vista Hermosa to Via Blanco	11,250 10,800	40 mph	11/26/18 11/26/18	36 mph 38 mph	40 mph 43 mph	40 mph	No
80	Vera Cruz, Camino Via Blanco to Camino De Los Mares	9,900	35 mph	12/7/18	35 mph	39 mph	35 mph	No

¹ADT - Average Daily Traffic from 2018-2019