

Citywide Engineering & Traffic Survey

Facilities & Transportation Committee

February 1, 2017



California Vehicle Code

- CVC 627 – Engineering and Traffic Survey
- CVC 22350 – Basic Speed Limit Law
- CVC 22351 – Speed Law Violation
- CVC 22352 – Prima Facie Speed Limits
- CVC 40802 – Speed Trap
- CA MUTCD – Section 2B.13 (Speed Limit Sign)



Speed Limits Update in San Leandro

- Last Certification – 2007
- Extension – 2012 and 2014
- New Certification – Due January 2017
- 40 streets with 65 street segments are under re-evaluation & re-certification



Basic Concepts of Speed Limits

- Measure motorists' prevailing driving speeds to establish speed limits
- Establish reasonable speed limits for better compliance and justifiable enforcement
- Set speed limits either too high or too low can cause accidents

Basic Speed Limit Guideline

- 2-Step Process to Establish Speed Limit
 - Establish preliminary speed
 - Make engineering adjustments if traffic/roadway conditions are justified
- After 2004: The preliminary speed limit should be established at the nearest 5 mph increment of the 85th percentile speed.



Conditions that Modify Speed Limits

- Road Characteristics
- The 10-mph Pace Speed
- Roadside development and environment
- Parking practices and pedestrian activity
- Collision history for at least 12 months
- Residential density
- Pedestrian and bicycle safety

Recommendations after Evaluations

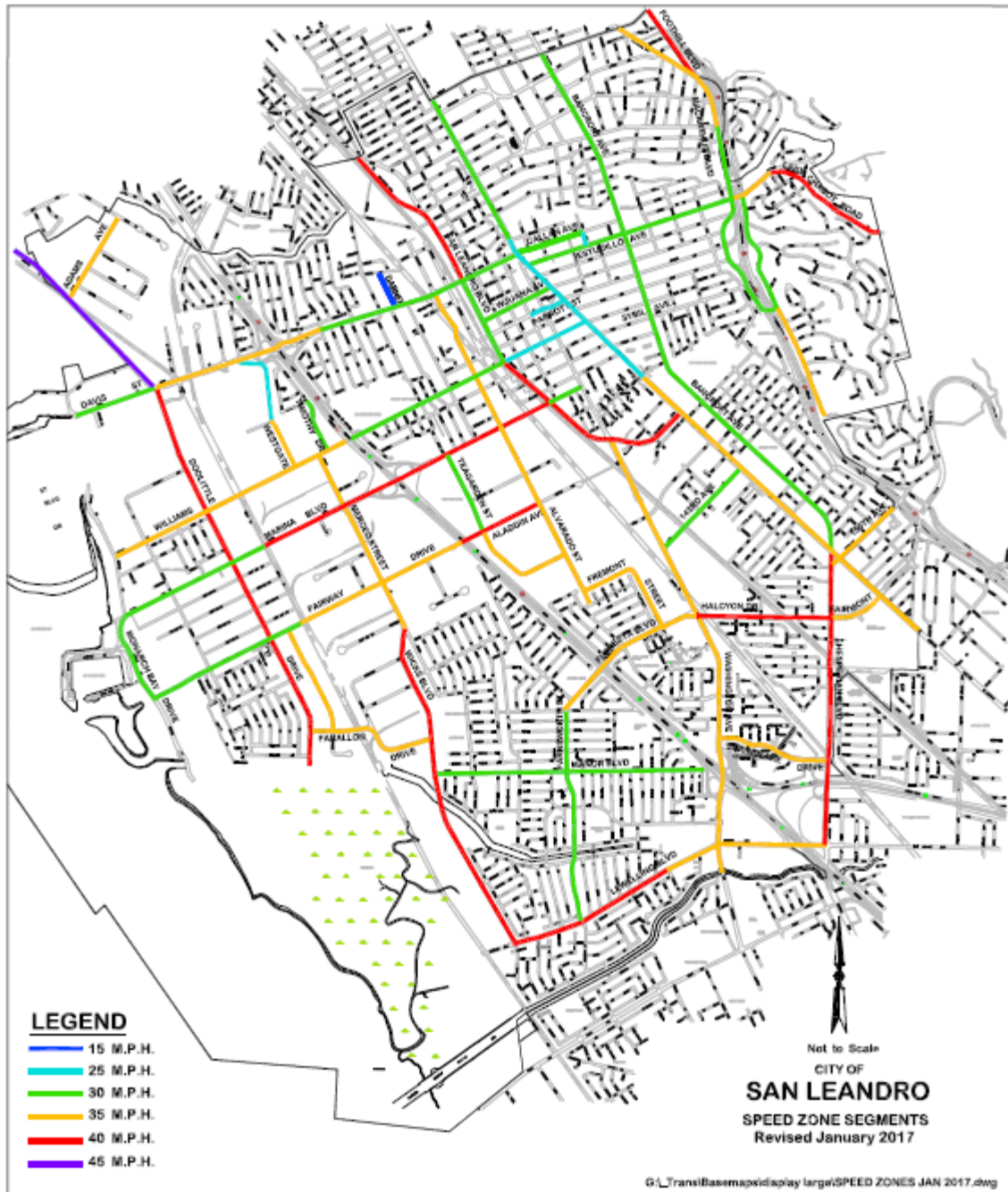
- 5 mph Decrease : 5 street segments (involving 5 streets)
 - Alvarado St: Marina Blvd to Portola Dr – 40 MPH to 35 MPH
 - Davis St: Doolittle Dr to West End - 35 MPH to 30 MPH
 - Fairway Dr: Menlo St to I-880 /Aladdin Ave – 40 MPH to 35 MPH
 - MacArthur Ave: Durant Ave to Dutton Ave - 35 MPH to 30 MPH
 - Teagarden St: Marina Blvd to Aladdin Ave – 35 MPH to 30 MPH
- 10 mph Decrease : 1 street segments (involving 1 street)
 - San Leandro Blvd - Davis St to Williams St – 40 MPH to 30 MPH

2017 Data Comparison After Reductions (1 of 2)

				2007		2017			
Street		Between		Prvs 85%	Existing Limit	Latest 85%	Prelim. Limit	Revised Limit	Speed Difference
1	143rd Ave	East 14th St	Washington Ave	36	30	35	35	30	0
2	150th Ave	Hesperian Blvd	East City Limit	41	35	36	35	35	0
3	Adams Ave	Doolittle Dr	Bigge St	38	35	38	40	35	0
4	Aladdin Ave	I-880	Alvarado St	40	40	38	40	40	0
5	Alvarado St	Davis St	Marina Blvd	36	35	33	35	35	0
6	Alvarado St	Marina Blvd	Portola Dr	42	40	37	35	35	-5
7	Bancroft Ave	Durant Ave	Estudillo Ave	37	30	34	35	30	0
8	Bancroft Ave	Estudillo Ave	Blossom Way	34	30	33	35	30	0
9	Bancroft Ave	Blossom Way	East 14th St	34	30	32	30	30	0
10	Benedict Dr	Estudillo Ave	Grand Ave	33	30	32	30	30	0
11	Benedict Dr	Grand Ave	South City Limit	39	35	38	40	35	0
12	Callan Ave	East 14th St	Huff Ave	35	30	31	30	30	0
13	Catalina St	Fairway Dr	Farallon Dr	40	35	34	35	35	0
14	Davis St	Doolittle Dr	West End	38	35	32	30	30	-5
15	Doolittle Dr	Davis St	Marina Blvd	43	40	42	40	40	0
16	Doolittle Dr	Marina Blvd	South End	42	40	40	40	40	0
17	Estudillo Ave/Lake Chabot	MacArthur Blvd	Chabot Terrace	41	35	38	40	35	0
18	Estudillo Ave	East 14th St	Bancroft Ave	35	30	32	30	30	0
19	Estudillo Ave	Bancroft Ave	MacArthur Blvd	37	30	35	35	30	0
20	Fairmont Dr	Hesperian Blvd	East City Limit	38	35	35	35	35	0
21	Fairway Dr	Monarch Bay Dr	Menlo St	36	30	35	35	30	0
22	Fairway Dr	Menlo St	I-880-Aladdin Ave	45	40	39	40	35	-5
23	Farallon Dr	Doolittle Dr	Wicks Blvd	39	35	38	40	35	0
24	Farnsworth Dr	Lewelling Blvd	Manor Blvd	36	30	34	35	30	0
25	Farnsworth Dr	Manor Blvd	Purdue St	35	30	33	35	30	0
26	Floresta Blvd	Purdue Ave	Fremont St	37	35	37	35	35	0
27	Floresta Blvd	Fremont Ave	Washington Ave	36	35	35	35	35	0
28	Foothill Blvd	Durant Ave	MacArthur Blvd	44	40	44	45	40	0
29	Fremont Ave	Alvarado St	Floresta Blvd	42	35	39	40	35	0
30	Grand Ave	MacArthur Blvd	Benedict Dr	34	30	34	35	30	0
31	Halcyon Dr	Washington Ave	Hesperian Blvd	43	40	38	40	40	0
32	Hesperian Blvd	South City Limit	East 14th St	42	40	44	45	40	0

2017 Data Comparison After Reductions (2 of 2)

			2007		2017				
Street	Between		Prvs 85%	Existing Limit	Latest 85%	Prelim. Limit	Revised Limit	Speed Difference	
33	Huff Ave	Callan Ave	Estudillo Ave	25	25	25	25	25	0
34	Lake Chabot Rd	Chabot Terrace	East City Limit	46	40	42	40	40	0
35	Lewelling Blvd	Wicks Blvd	Sedgeman St	45	40	45	45	40	0
36	Lewelling Blvd	Sedgeman St	East City Limit	36	35	41	40	35	0
37	MacArthur Blvd	Durant Ave	Dutton Ave	40	35	38	40	35	0
38	MacArthur Blvd	Dutton Ave	Grand Ave	36	35	33	35	30	-5
39	Manor Blvd	Wicks Blvd	Farnsworth Ave	34	30	33	35	30	0
40	Manor Blvd	Farnsworth St	Kesterson St	35	30	33	35	30	0
41	Marina Blvd	Monarch Bay Dr	Menlo St	37	30	33	35	30	0
42	Marina Blvd	Menlo St	Alvarado St	43	40	42	40	40	0
43	Marina Blvd	Alvarado St	San Leandro Blvd	41	40	37	35	40	0
44	Marina Blvd	San Leandro Blvd	Washington Ave	33	30	31	30	30	0
45	Merced St	Williams St	Wicks Blvd	42	35	36	35	35	0
46	Monarch Bay Dr	Marina Blvd	Fairway Dr	35	30	33	35	30	0
47	Parrott St	Hays St	East 14th St	26	25	27	25	25	0
48	San Leandro Blvd	North City Limit	Davis St	45	40	45	45	40	0
49	San Leandro Blvd	Davis St	Williams St	40	40	36	35	30	-10
50	San Leandro Blvd	Williams St	Washington Ave	45	40	42	40	40	0
51	San Leandro Blvd	Washington Ave	East 14th St	42	40	43	45	40	0
52	Springlake Dr	Washington Ave	Hesperian Blvd	39	35	36	35	35	0
53	Teagarden St	Marina Blvd	Aladdin Ave	36	35	32	30	30	-5
54	Teagarden St	Aladdin Ave	Alvarado St	38	35	35	35	35	0
55	Timothy Dr	Charlotte Ave	Williams St	35	30	32	30	30	0
56	Washington Ave	San Leandro Blvd	Floresta B/Halcyon Dr	42	35	38	35	35	0
57	Washington Ave	Floresta B/Halcyon Dr	South City Limit	41	35	40	40	35	0
58	West Juana Ave	San Leandro Blvd	East 14th St	33	30	29	30	30	0
59	Wicks Blvd	Lewelling Blvd	Farallon Dr	43	40	44	45	40	0
60	Wicks Blvd	Farallon Dr	Merced St	42	40	42	40	40	0
61	Williams St	Monarch Bay Dr	Aurora Dr	35	35	36	35	35	0
62	Williams St	Aurora Dr	I-880	39	35	36	35	35	0
63	Williams St	I-880	San Leandro Blvd	35	30	31	30	30	0
64	Williams St	San Leandro Blvd	East 14th St	32	25	29	30	25	0
65	Westgate Pkwy	Wal-Mart Driveway	Williams St	39	35	35	35	35	0





Next Steps

- City Council approval of updated Citywide Engineering and Traffic Survey
- Certification of new speed limits
- Signage Changes
- Enforcement Starts



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Questions & Answers