



# ENGINEERING AND TRAFFIC SURVEY FOR SPEED LIMITS CITY OF LAKE ELSINORE

2015

**CERTIFICATION**

I, Dilesh Sheth, do hereby certify that this Engineering and Traffic Survey for the City of Lake Elsinore was performed under my supervision. I certify that I am experienced in performing surveys of this type and duly registered in the State of California as a Professional Civil and Traffic Engineer.



A handwritten signature in blue ink that reads "Dilesh Sheth".

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# TABLE OF CONTENTS

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<b>SECTION 1 - Introduction</b> .....	<b>1-1</b>
■ Regulations and Guidelines _____	1-1
■ Requirements and Methodology of an Engineering and Traffic Study _____	1-3
<b>SECTION 2 - Speed Survey Evaluation</b> .....	<b>2-1</b>
■ Field Review _____	2-2
■ Statistical Analysis Factors _____	2-3
■ 2014 CA MUTCD Standard _____	2-4
■ Collision History _____	2-4
<b>SECTION 3 - Results and Recommendations</b> .....	<b>3-1</b>
■ 3 <sup>rd</sup> Street _____	3-5
■ Avenue 6 _____	3-6
■ Broadway Avenue _____	3-7
■ Canyon Estates Drive _____	3-8
■ Casino Drive _____	3-9
■ Central Avenue _____	3-10
■ Chaney Street _____	3-11
■ Collier Avenue _____	3-12
■ Diamond Drive _____	3-13
■ Franklin Street _____	3-14
■ Hidden Trail _____	3-16
■ Lakeshore Drive _____	3-17
■ Limited Street _____	3-18
■ Main Street _____	3-19
■ Mountain Street _____	3-20
■ Orange Grove Way _____	3-21
■ Riverside Street _____	3-22
■ Summerly Place _____	3-23
■ Temescal Canyon Road _____	3-24
■ Via Scenica _____	3-25

## LIST OF TABLES

Table 2-1 – Survey Locations and Limits.....	2-1
Table 2-2 – 2009 California State Highways Collision Rate.....	2-5
Table 2-3 –Road Segment Collision Rates from January 1, 2014 to December 31, 2015 .....	2-6
Table 3-1 – Speed Survey Recommendations.....	3-2

## SECTION 1 - INTRODUCTION

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This Engineering and Traffic Survey is intended to serve as the basis for the establishment and enforcement of speed limits for selected streets within the City of Lake Elsinore. This survey was authorized by the City and independently conducted by the private consulting firm Albert A. Webb Associates.

Engineering and traffic surveys for speed limits should be conducted once every five (5), seven (7), or ten (10) years for the purpose of complying with *California Vehicle Code* (CVC) Section 40802.

### ■ Regulations and Guidelines

CVC Division 11, Chapter 7 defines the California Speed Laws. CVC Section 22352 indicates that prima facie speed limits are 15 miles per hour (mph) at unprotected railroad grade crossings, uncontrolled highway intersections with sight restrictions, and on any alley. In addition, the prima facie speed limit is 25 mph in residence and business districts, when approaching or passing a school building or grounds thereof, or when passing a senior center or other facility primarily used by senior citizens. CVC Division 1 defines a business district and residence district in Sections 235 and 515, respectively.

*A “business district” is that portion of a highway and the property contiguous thereto (a) upon one side of which highway, for a distance of 600 feet, 50 percent or more of the contiguous property fronting thereon is occupied by buildings in use for business, or (b) upon both sides of which highway, collectively, for a distance of 300 feet, 50 percent or more of the contiguous property fronting thereon is so occupied. A business district may be longer than the distances specified in this section if the above ratio of buildings in use for business to the length of the highway exists.<sup>1</sup>*

*A “residence district” is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.<sup>2</sup>*

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<sup>1</sup> California Department of Motor Vehicles, *California Vehicle Code*, Division 1, Section 235, 2015

<sup>2</sup> California Department of Motor Vehicles, *California Vehicle Code*, Division 1, Section 515, 2015

Section 22357(a) permits the establishment of speed limits greater than 25 mph based on the following text:

*Whenever a local authority determines upon the basis of an engineering and traffic survey that a speed greater than 25 miles per hour would facilitate the orderly movement of vehicular traffic and would be reasonable and safe upon any street other than a state highway otherwise subject to a prima facie limit of 25 miles per hour, the local authority may by ordinance determine and declare a prima facie speed limit of 30, 35, 40, 45, 50, 55, or 60 miles per hour or a maximum speed limit of 65 miles per hour, whichever is found most appropriate to facilitate the orderly movement of traffic and is reasonable and safe.<sup>3</sup>*

Therefore, the CVC allows local authorities to increase the prima facie limits by ordinance or resolution to appropriate limits as determined by an engineering and traffic survey. Posted speed limits not defined in the CVC or established by ordinance are not valid. The CVC requires that speed surveys must be performed with the use of radar or other electronic devices at locations where speed limits are to be enforced with the use of radar. The current survey must be completed within five years as specified in Section 40802(a), seven years as specified in Section 40802(c), or ten years as specified in Section 40802(c), of the date of the preceding survey. A survey allowed to expire passed the valid duration of the previous survey would constitute a speed trap as defined in Sections 40802 of the CVC:

- (a) A “speed trap” is either of the following:
  - (1) A particular section of a highway measured as to distance and with boundaries marked, designated, or otherwise determined in order that the speed of a vehicle may be calculated by securing the time it takes the vehicle to travel the known distance.
  - (2) A particular section of a highway with a prima facie speed limit that is provided by this code or by local ordinance under subparagraph (A) of paragraph (2) of subdivision (a) of Section 22352, or established under Section 22354, 22357, 22358, or 22358.3, if that prima facie speed limit is not justified by an engineering and traffic survey conducted within five years prior to the date of the alleged violation, and enforcement of the speed limit involves the use of radar or any other electronic device that measures the speed of moving objects. This paragraph does not apply to a local street, road, or school zone.
- (b) (1) For purposes of this section, a local street or road is one that is functionally classified as “local” on the “California Road System Maps,” that are approved by the Federal Highway Administration and maintained by the Department of Transportation. When a street or road does not appear on the “California Road System Maps,” it may be defined as a “local street or road” if it primarily provides access to abutting residential property and meets the following three conditions:
  - (A) Roadway width of not more than 40 feet.

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<sup>3</sup> California Department of Motor Vehicles, *California Vehicle Code*, Division 11, Chapter 7, Section 22357, 2015

(B) *Not more than one-half of a mile of uninterrupted length. Interruptions shall include official traffic control signals as defined in Section 445.*

(C) *Not more than one traffic lane in each direction.*

(2) *For purposes of this section, 'school zone' means that area approaching or passing a school building or the grounds thereof that is contiguous to a highway and on which is posted a standard 'SCHOOL' warning sign, while children are going to or leaving the school either during school hours or during the noon recess period. 'School zone' also includes the area approaching or passing any school grounds that are not separated from the highway by a fence, gate, or other physical barrier while the grounds are in use by children if that highway is posted with a standard 'SCHOOL' warning sign.<sup>4</sup>*

## ■ Requirements and Methodology of an Engineering and Traffic Study

Speed zones are primarily established to protect the public from the unreasonable behavior of reckless, unreliable, or otherwise dangerous drivers. Speed limits are normally set near the 85th-percentile speed that statistically represents one standard deviation above the average speed. The 85th-percentile speed is defined as the speed at or below which 85 percent of traffic is moving. Speed limits established on this basis conform to the greater majority of motorists as to what speed is reasonable and prudent, and are not dependent on the judgment of one or a few individuals.

The Engineering and Traffic Survey, as defined in CVC Section 627, must consider the prevailing speeds, accident records, and highway, traffic, and roadside conditions not readily apparent to the driver. Local authorities may also consider residential density and pedestrian and bicycle safety. Speed zones are also established to advise motorist of road conditions or hazards, which may not be readily apparent to a reasonable driver. For this reason, a field review of related road/traffic variables is conducted which is considered in combination with the statistical data and collision history of a particular roadway segment to determine a safe and reasonable speed limit. The specific procedures used in the performance of an Engineering and Traffic Study are outlined in the *California Manual on Uniform Traffic Control Devices, 2014 Edition* (CA MUTCD). The statistical factors used to analyze the collected speed survey data and additional factors as noted in the CA MUTCD to consider are defined in the following section.

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<sup>4</sup> California Department of Motor Vehicles, *California Vehicle Code*, Division 17, Chapter 3, Section 40802, 2015

## SECTION 2 - SPEED SURVEY EVALUATION

Sixty-three (63) locations were evaluated by Albert A. Webb Associates and are included in this report. The location and the limits of this section are listed in Table 2-1.

**Table 2-1 – Survey Locations and Limits**

No	Street	From	To
1	2nd Street	Dexter Avenue	Camino Del Norte
2	3rd Street	Rosetta Canyon	Conard Avenue
3	Alberhill Ranch Road	Lake Street	Nichols Road
4	Avenue 6	Franklin Street	Mill Street
5	Broadway Avenue	Lincoln Street	Grand Avenue
6	Camino Del Norte	Main Street	2nd Street
7	Canyon Estates Drive	Canyon View Drive	Summerhill Drive
8	Casino Drive	Diamond Drive	Malaga Road
9	Central Avenue	Pasadena Street	Collier Avenue
10	Chaney Street	Collier Avenue	Treleven Avenue
11	Chaney Street	Treleven Avenue	Lakeshore Drive
12	Collier Avenue	Nichols Road	Riverside Drive
13	Collier Avenue	Central Avenue	Spring Street
14	Diamond Drive	Malaga Road	Summerly Place
15	Flint Street	Main Street	Adobe Street
16	Franklin Street	Main Street	Conklin Avenue
17	Franklin Street	Conklin Avenue	Rodeo Grounds
18	Franklin Street	Rodeo Grounds	Avenue 6
19	Graham Avenue	Lakeshore Drive	Lindsay Street
20	Graham Avenue	Lindsay Street	Main Street
21	Grand Avenue	Lakeshore Drive	Lincoln Street
22	Grand Avenue	Lincoln Street	Audelo Street
23	Gunnerson Street	Riverside Drive	Ulmer Street
24	Gunnerson Street	Ulmer Street	Lakeshore Drive
25	Heald Avenue	Chaney Street	Main Street
26	Hidden Trail	Summerly Place	Mission Trail
27	Illinois Street	Lakeshore Drive	Strickland Avenue
28	Joy Street	Riverside Drive	Machado Street
29	Lake Street	Mountain Street	Lakeshore Drive
30	Lakeshore Drive	Grand Avenue	Terra Cotta Road
31	Lakeshore Drive	Terra Cotta Road	Machado Street
32	Lakeshore Drive	Riverside Drive	Cowell Street
33	Lakeshore Drive	Cowell Street	Chaney Street
34	Lakeshore Drive	Chaney Street	Graham Avenue
35	Lakeshore Drive	Graham Avenue	Poe Street

**Table 2-1 – Survey Location and Limits (continued)**

No	Street	From	To
36	Lakeshore Drive	Poe Street	Main Street
37	Lakeshore Drive	Main Street	Lucerne Street
38	Lakeshore Drive	Lucerne Street	Diamond Drive
39	Limited Avenue	Lakeshore Drive	Main Street
40	Lincoln Street	Machado Street	Riverside Drive
41	Lost Road	Canyon Hills Road	South City Limit
42	Machado Street	Lakeshore Drive	Lincoln Street
43	Machado Street	Lincoln Street	Alvarado Street
44	Main Street	Camino Del Norte	Heald Avenue
45	Main Street	Heald Avenue	Lakeshore Drive
46	Malaga Road	Mission Trail	Casino Drive
47	Mission Trail	Diamond Drive	Malaga Road
48	Mountain Street	Palm View Street	Lake Street
49	Nichols Road	Lake Street	Terra Cotta Road
50	Nichols Road	Terra Cotta Road	I-15
51	Orange Grove Way	Palm View Street	Lake Street
52	Pottery Street	Chaney Street	Lewis Street
53	Riverside Street	SR-74	Steele Valley Road
54	Rosetta Canyon Drive	SR-74	Sunsprite Street
55	Spring Street	Collier Avenue	Sumner Avenue
56	Spring Street	Sumner Avenue	Graham Avenue
57	Spring Street	Graham Avenue	Lakeshore Drive
58	Strickland Avenue	Chaney Street	Riverside Drive
59	Summerhill Drive	Corte Serviui	Railroad Canyon Road
60	Summerly Place	Village Parkway	Hidden Trail
61	Sumner Avenue	Main Street	Chaney Street
62	Temescal Canyon Road	Lake Street	North City Limit
63	Via Scenica	Bella Vista	Summerhill Drive

## ■ Field Review

Speed data was collected using calibrated radar speed guns and pneumatic tubes and were performed by a sub-consultant to Albert A. Webb Associates, Counts Unlimited. Each of the radar speed surveys were made from an inconspicuously parked, unmarked vehicle. An effort was made to ensure that the presence of the vehicle in no way affected the speed of the traffic being surveyed. The pneumatic tubes were located as far away from residential driveways as possible to avoid driveway traffic speeds. Field information from these speed surveys and other roadway characteristics were recorded on field data forms and later coded into engineering software for analysis purposes. CA MUTCD Section 2B.13 indicates that in order for the sample to be representative of the actual traffic flow, it is desirable to have a minimum sample of 100 vehicles for a speed zone survey, but in no case should the sample contain less

than 50 vehicles. In addition to speed data, average daily traffic (ADT) volumes were collected from the survey using pneumatic tubes.

Examples of the field data collected for the purposes of analyzing related roadway characteristics as they pertain to the determination of appropriate speed limits are listed below. The results of the field review for related roadway and traffic variables are summarized in the next section of this report.

1. Segment length, width and alignment;
2. Level of pedestrian and bicycle activity, truck volume;
3. Traffic flow characteristics;
4. Number of lanes and other channelization/stripping factors;
5. Frequency of intersections, driveways, on-street parking, bike lanes;
6. Locations of stop signs, traffic signals, and other regulatory traffic control devices;
7. Roadway condition, bumps and dips;
8. Obstructions to driver/pedestrian visibility;
9. Land use and proximity of schools, parks/recreation areas and senior centers;
10. Uniformity with existing speed zones in adjacent jurisdictions; and
11. Any other unusual conditions or hazards not readily apparent to the driver.

## ■ Statistical Analysis Factors

Significant factors used to analyze the collected survey data are summarized below:

- **85th-Percentile Speed.** The critical speed, or the 85th-percentile speed, is defined as that speed at or below which 85 percent of the traffic is moving. This factor is the primary guide in determining what speed the majority of drivers find safe and reasonable. Therefore, the practice is to set the speed limit to the nearest 5 mph increment from the 85th-percentile speed unless other factors require a lower limit. Speed limits set on this basis provide law enforcement officials with a means of controlling reckless or unreliable drivers who will not conform to what the majority finds reasonable.
- **10-mph Pace.** The 10-mph pace is the 10-mph increment range which contains the largest number of recorded vehicles. This factor is a measure of the dispersion of speeds within the sample surveyed. Speed limits should normally be set to fall within the 10-mph pace, however, conditions not readily apparent to the driver or adhering to state mandated limits such as in residence districts may require setting speed limits below the 10-mph pace.
- **50th-Percentile Speed.** The median speed, or 50th-percentile speed, represents the mid-point value within the range of recorded speeds for a particular roadway location. In other words, 50 percent of the vehicles travel faster than, and 50 percent travel slower than, the median speed. This value is another measure of the central tendency of the vehicle speed distribution. Typically speed limits should not be set below the 50th-percentile speed, since it would result in greater than 50-percent of the drivers exceeding the speed limit.
- **15th-Percentile Speed.** The 15th-percentile speed is that speed at or below which 15 percent of the vehicles are traveling. This value is important in determining the minimum allowable speed limit, given that the vehicles traveling below this speed tend to obstruct the flow of traffic, thereby increasing the collision potential.

- **Percent of Vehicles in Pace Speed.** The percent of vehicles in the 10-mph pace speed is an indication of the grouping of vehicular speeds. Ideally, if all vehicles were traveling at or about the same speed, there would be a reduced likelihood of vehicular collisions. In speed limit analysis, the higher the percent of vehicles within the pace speed, the more favorable the speed distribution. The percent of the 10-mph pace is often between 60 and 90 percent.

## ■ 2014 CA MUTCD Standard

The 2014 CA MUTCD Section 2B.13 sets the standard for establishing posted speed limits:

*Standard:*

*When a speed limit is to be posted, it shall be established at the nearest 5 mph increment of the 85th-percentile speed of free-flowing traffic, except as shown in the two Options below.*

*Option:*

1. *The posted speed may be reduced by 5 mph from the nearest 5 mph increment of the 85th-percentile speed, in compliance with CVC Sections 627 and 22358.5. See Standard below for documentation requirements.*
2. *For cases in which the nearest 5 mph increment of the 85th-percentile speed would require a rounding up, then the speed limit may be rounded down to the nearest 5 mph increment below the 85th-percentile speed, if no further reduction is used. Refer to CVC Section 21400(b).<sup>5</sup>*

## ■ Collision History

The Engineering and Traffic Survey forms summarize the available collision information for each of the street segments. The collision information was gathered from the California Statewide Integrated Traffic Records System (SWITRS) between January 1, 2014 to December 31, 2015. Based on the number of total collisions per segment studied over the 2 year period and ADT volumes, a collision rate per million vehicle miles was calculated for the segment. To provide a general comparison of the collision rates on the segment to expected collision rates for similar types of local roadways, the collision rate for the segment was compared to the statewide average rate listed in the 2009 Collision Data on California State Highways (road miles, travel, collisions, collision rates)<sup>6</sup> as listed in Table 2-2. Only the segments that experienced collisions due to unsafe speeds in the studied timeframe are shown in the table. The calculated collision rate for the segment is shown on Table 2-3.

<sup>5</sup> California Department of Transportation, *California Manual on Uniform Traffic Control Devices, 2014 Edition*, Chapter 2B, Section 2B.13, November 2014

<sup>6</sup> California Department of Transportation, *2009 Collision Data on California State Highways (road miles, travel, collisions, collision rates)*, April 2011

**Table 2-2 – 2009 California State Highways Collision Rate**

Lane Type	Total Accidents per Million Vehicle Miles (AMVM)
2 and 3 Lane Roadway	1.10
4+ Lanes (Undivided Highway)	1.85
4+ Lanes (Divided Highway)	1.48

**Table 2-3 –Road Segment Collision Rates from January 1, 2014 to December 31, 2015**

No	Street	From	To	Average Daily Traffic (ADT)	Lane Type	Number of Unsafe Speed Collisions (1/1/14-12/31/15)	Accidents per Million Vehicle Miles
3	Alberhill Ranch Road	Lake Street	Nichols Road	669	2 Lanes	1	1.96
6	Camino Del Norte	Main Street	2nd Street	4,474	2 Lanes	1	0.57
7	Canyon Estates Drive	Canyon View Drive	Summerhill Drive	4,523	2 Lanes	1	0.59
8	Casino Drive	Diamond Drive	Malaga Road	5,309	2-3 Lanes	1	0.42
10	Chaney Street	Collier Avenue	Treleven Avenue	6,709	3 Lanes	2	0.78
12	Collier Avenue	Nichols Road	Riverside Drive	4,856	4 Lanes Divided	3	0.73
13	Collier Avenue	Central Avenue	Spring Street	10,116	2 Lanes	3	0.33
19	Graham Avenue	Lakeshore Drive	Lindsay Street	8,834	2 Lanes	2	0.69
20	Graham Avenue	Lindsay Street	Main Street	9,035	2 Lanes	1	0.41
21	Grand Avenue	Lakeshore Drive	Lincoln Street	13,978	4 Lanes Divided	1	0.17
27	Illinois Street	Lakeshore Drive	Strickland Avenue	241	2 Lanes	2	14.95
29	Lake Street	Mountain Street	Lakeshore Drive	16,190	4 Lanes Divided	3	0.93
31	Lakeshore Drive	Terra Cotta Road	Machado Street	12,461	3 Lanes	2	0.20
32	Lakeshore Drive	Riverside Drive	Cowell Street	11,996	2 Lanes	4	0.33
33	Lakeshore Drive	Cowell Street	Chaney Street	11,985	2 Lanes	2	0.72
37	Lakeshore Drive	Main Street	Lucerne Street	9,803	2 Lanes	1	0.19
38	Lakeshore Drive	Lucerne Street	Diamond Drive	11,839	3 Lanes	2	0.27
39	Limited Avenue	Lakeshore Drive	Main Street	1,856	2 Lanes	1	1.48
40	Lincoln Street	Machado Street	Riverside Drive	7,639	2 Lanes	3	1.05
42	Machado Street	Lakeshore Drive	Lincoln Street	7,295	3 Lanes	2	0.53
43	Machado Street	Lincoln Street	Alvarado Street	7,484	2 Lanes	2	0.67
44	Main Street	Camino Del Norte	Heald Avenue	6,531	3 Lanes	3	0.92
45	Main Street	Heald Avenue	Lakeshore Drive	9,398	2 Lanes	3	0.99
47	Mission Trail	Diamond Drive	Malaga Road	16,865	4 Lanes Divided	1	0.29
49	Nichols Road	Lake Street	Terra Cotta Road	6,400	2 Lanes	1	0.28
50	Nichols Road	Terra Cotta Road	I-15	6,454	2 Lanes	2	0.43
57	Spring Street	Graham Avenue	Lakeshore Drive	1,105	2 Lanes	1	4.45
59	Summerhill Drive	Corte Serviui	Railroad Canyon Road	9,207	4 Lanes Divided	4	0.59
62	Temescal Canyon Road	Lake Street	North City Limit	5,333	2 Lanes	2	0.82

## SECTION 3 - RESULTS AND RECOMMENDATIONS

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The recommendations contained in this report are intended to establish prima facie speed limits. Prima facie limits attempt to advise the motorist and enforcement of the reasonable speed for a particular section of roadway for the prevailing conditions.

The Engineering and Traffic Survey Sheets presented in this section illustrate the results of a thorough evaluation of the available data and indicate a recommended speed limit for the street segment surveyed. A summary of the data analysis, along with the recommended speed limit can be found in Table 3-1 followed by a description of the recommendations for roadway segments with changing posted speed limits.

**Table 3-1 – Speed Survey Recommendations**

No	Street	From	To	Existing Speed Limit	85th %ile Speed	Recom Speed Limit	Justification
1	2nd Street	Dexter Avenue	Camino Del Norte	35	35	35	85th percentile speed
2	3rd Street	Rosetta Canyon	Conard Avenue	25	40	30	Approaching Residential District, Sight Distance
3	Alberhill Ranch Road	Lake Street	Nichols Road	35	39	35	85th percentile speed rounded down per CVC 21400(b)
4	Avenue 6	Franklin Street	Mill Street	30	39	30	Narrow Roadway, Approaching Residential District
5	Broadway Avenue	Lincoln Street	Grand Avenue	25	35	30	Nearby park and school, speed continuity
6	Camino Del Norte	Main Street	2nd Street	55	54	55	85th percentile speed
7	Canyon Estates Drive	Canyon View Drive	Summerhill Drive	35	43	35	Intersection Sight Distance, Adjacent Residential Area
8	Casino Drive	Diamond Drive	Malaga Road	40	48	45	85th percentile speed rounded down per CVC 21400(b)
9	Central Avenue	Pasadena Street	Collier Avenue	25	33	30	85th percentile speed rounded down per CVC 21400(b)
10	Chaney Street	Collier Avenue	Treleven Avenue	40	44	40	85th percentile speed rounded down per CVC 21400(b)
11	Chaney Street	Treleven Avenue	Lakeshore Drive	30	44	35	Closely-Spaced Intersections, Numerous Driveways
12	Collier Avenue	Nichols Road	Riverside Drive	50	53	50	85th percentile speed rounded down per CVC 21400(b)
13	Collier Avenue	Central Avenue	Spring Street	50	50	45	85th percentile speed reduced by 5 mph for speed continuity
14	Diamond Drive	Malaga Road	Summerly Place	NP	40	40	85th percentile speed
15	Flint Street	Main Street	Adobe Street	30	34	30	85th percentile speed rounded down per CVC 21400(b)
16	Franklin Street	Main Street	Conklin Avenue	25	37	25	Residence District
17	Franklin Street	Conklin Avenue	Rodeo Grounds	25	35	30	Rolling Terrain, Low Speed Curves
18	Franklin Street	Rodeo Grounds	Avenue 6	25	42	30	Low Speed Curves, Speed Continuity
19	Graham Avenue	Lakeshore Drive	Lindsay Street	30	37	30	85th percentile speed reduced by 5 mph for speed continuity
20	Graham Avenue	Lindsay Street	Main Street	30	33	30	85th percentile speed rounded down per CVC 21400(b)
21	Grand Avenue	Lakeshore Drive	Lincoln Street	45	50	45	85th percentile speed reduced by 5 mph for speed continuity
22	Grand Avenue	Lincoln Street	Audelo Street	45	45	45	85th percentile speed
23	Gunnerson Street	Riverside Drive	Ulmer Street	40	45	40	85th percentile speed reduced by 5 mph for speed continuity
24	Gunnerson Street	Ulmer Street	Lakeshore Drive	40	41	40	85th percentile speed

**Table 3-1 – Speed Survey Recommendations (continued)**

No	Street	From	To	Existing Speed Limit	85th %ile Speed	Recom Speed Limit	Justification
25	Heald Avenue	Chaney Street	Main Street	25	32	25	Residence District
26	Hidden Trail	Summerly Place	Mission Trail	NP	37	30	85th percentile speed reduced by 5 mph for speed continuity
27	Illinois Street	Lakeshore Drive	Strickland Avenue	25	34	25	Narrow and hilly roadway, high crash rate
28	Joy Street	Riverside Drive	Machado Street	30	29	30	85th percentile speed
29	Lake Street	Mountain Street	Lakeshore Drive	45	49	45	85th percentile speed rounded down per CVC 21400(b)
30	Lakeshore Drive	Grand Avenue	Terra Cotta Road	45	47	45	85th percentile speed
31	Lakeshore Drive	Terra Cotta Road	Machado Street	45	49	45	85th percentile speed rounded down per CVC 21400(b)
32	Lakeshore Drive	Riverside Drive	Cowell Street	40	46	40	85th percentile speed reduced by 5 mph for speed continuity
33	Lakeshore Drive	Cowell Street	Chaney Street	40	48	40	Speed reduced for speed continuity
34	Lakeshore Drive	Chaney Street	Graham Avenue	40	42	40	85th percentile speed
35	Lakeshore Drive	Graham Avenue	Poe Street	30	38	30	Nearby park, recreational area, and on-street parking
36	Lakeshore Drive	Poe Street	Main Street	30	34	30	85th percentile speed rounded down per CVC 21400(b)
37	Lakeshore Drive	Main Street	Lucerne Street	40	50	45	85th percentile speed reduced by 5 mph for speed continuity
38	Lakeshore Drive	Lucerne Street	Diamond Drive	45	50	45	85th percentile speed reduced by 5 mph for speed continuity
39	Limited Avenue	Lakeshore Drive	Main Street	35	36	30	High Accident Rate, Nearby Park
40	Lincoln Street	Machado Street	Riverside Drive	35	40	35	85th percentile speed reduced by 5 mph for speed continuity
41	Lost Road	Canyon Hills Road	South City Limit	40	40	40	85th percentile speed
42	Machado Street	Lakeshore Drive	Lincoln Street	40	40	40	85th percentile speed
43	Machado Street	Lincoln Street	Alvarado Street	40	46	40	85th percentile speed reduced by 5 mph for speed continuity
44	Main Street	Camino Del Norte	Heald Avenue	30	39	35	85th percentile speed rounded down per CVC 21400(b)
45	Main Street	Heald Avenue	Lakeshore Drive	25	32	25	Business District, on-street parking
46	Malaga Road	Mission Trail	Casino Drive	35	37	35	85th percentile speed
47	Mission Trail	Diamond Drive	Malaga Road	45	45	45	85th percentile speed
48	Mountain Street	Palm View Street	Lake Street	25	37	30	85th percentile speed reduced by 5 mph for speed continuity

**Table 3-1 – Speed Survey Recommendations (continued)**

No	Street	From	To	Existing Speed Limit	85th %ile Speed	Recom Speed Limit	Justification
49	Nichols Road	Lake Street	Terra Cotta Road	50	53	50	85th percentile speed rounded down per CVC 21400(b)
50	Nichols Road	Terra Cotta Road	I-15	50	51	50	85th percentile speed
51	Orange Grove Way	Palm View Street	Lake Street	25	36	30	85th percentile speed reduced by 5 mph due to short length
52	Pottery Street	Chaney Street	Lewis Street	30	36	30	85th percentile speed reduced by 5 mph for residential
53	Riverside Street	SR-74	Steele Valley Road	35	44	40	85th percentile speed rounded down per CVC 21400(b)
54	Rosetta Canyon Drive	SR-74	Sunsprite Street	40	45	40	Nearby school and parks, no collisions
55	Spring Street	Collier Avenue	Sumner Avenue	30	36	30	85th percentile speed reduced by 5 mph for businesses
56	Spring Street	Sumner Avenue	Graham Avenue	25	31	25	Business District, Closely-Spaced Intersections
57	Spring Street	Graham Avenue	Lakeshore Drive	25	32	25	Street Parking, Closely-Spaced Intersections, Crash Rate
58	Strickland Avenue	Chaney Street	Riverside Drive	30	37	30	Narrow Roadway, Low Speed Curves
59	Summerhill Drive	Corte Serviui	Railroad Canyon Road	45	47	45	85th percentile speed
60	Summerly Place	Village Parkway	Hidden Trail	NP	33	30	85th percentile speed rounded down per CVC 21400(b)
61	Sumner Avenue	Main Street	Chaney Street	30	33	30	85th percentile speed rounded down per CVC 21400(b)
62	Temescal Canyon Road	Lake Street	North City Limit	NP	58	50	Narrow bridge, curving roadway, higher collision rate
63	Via Scenica	Bella Vista	Summerhill Drive	NP	36	30	85th percentile speed reduced by 5 mph for steep road profile

## ■ 3<sup>rd</sup> Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
3rd Street	Diana Lane	Conard Avenue	25	40	34	28	31-40	65%	0.00	30	Approaching Residential District, Sight Distance

#### ■ Conditions

3<sup>rd</sup> Street is a east-west two (2) lane undivided local street with no centerline striping. The studied segment is approximately 1,790 feet long. On-street parking is allowed on both sides of the street. Seven residential driveways line the roadway segment. The surrounding land uses are residential with many vacant lots. The intersection of 3<sup>rd</sup> Street and Diana Lane is a one-way stop controlled “T” intersection while the intersection of 3<sup>rd</sup> Street and Conard Avenue is one-way stop controlled on the southbound side. There are two minor one-way stop controlled intersections within the roadway segment at Waterford Street and Melby Drive. There are no bike lanes. Sidewalks exist on the entire length of the segment. There is an approximately 330’ radius horizontal curve in the roadway which may block sight lines for eastbound traffic. There is an existing 25 mph speed limit sign within the roadway segment.

Between Conard Avenue and Diana Lane, 3<sup>rd</sup> Street carries approximately 1,215 vehicles per day. The speed survey was conducted for 72 hours from July 7, 2015 to July 9, 2015. The 85th-percentile speed was measured at 40 mph.

#### ■ Comments

The 85th-percentile speed of 40 mph indicates a speed limit of 40 mph between Conard Avenue and Diana Lane. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 40 mph in this segment. However, there is limited sight distance on the horizontal curve and there are nearby residential areas. Drivers on 3<sup>rd</sup> Street that reach the end of the segment at Conard will have to slow and make a right turn or continue onto dirt roads. Based on the observed conditions, it is recommended that the posted speed limit on 3<sup>rd</sup> Street between Conard Avenue and Diana Lane be 30 mph.

## ■ Avenue 6

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Avenue 6	Franklin Street	Mill Street	30	39	33	27	31-40	66%	0.00	30	Narrow Roadway, Approaching Residential District

#### ■ Conditions

Avenue 6 is a north-south two (2) lane undivided local street with no centerline striping. The studied segment is approximately 1,145 feet long. No on-street parking is allowed. There are five residential driveways on the segment. The surrounding land uses are residential with mostly vacant lots. The intersection of Avenue 6 and Franklin Street is one-way stop controlled on the westbound side while the intersection of Avenue 6 and Mill Street is all-way stop controlled. There are no bike lanes. Sidewalks exist for only 130' of the southwest end of the segment. The road narrows to 21' in on area. There are 30 mph speed limit signs at each end of the roadway segment.

Between Franklin Street and Mill Street, Avenue 6 carries approximately 1,215 vehicles per day. The speed survey was conducted on November 5, 2015. The 85th-percentile speed was measured at 39 mph.

#### ■ Comments

The 85th-percentile speed of 39 mph indicates a speed limit of 40 mph between Franklin Street and Mill Street. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

Rounding the 85<sup>th</sup>-percentile speed to the nearest 5 mph increment indicates a speed limit of 40 mph in this segment. However, the lack of sidewalks, a narrow roadway width of 21', and the nearby elementary school pose concerns for pedestrians and bicyclists. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Avenue 6 between Franklin Street and Mill Street remain 30 mph.

## ■ **Broadway Avenue**

### **Speed Survey Summary of Findings**

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Broadway Avenue	Lincoln Street	Grand Avenue	25	35	31	28	28-37	83%	0.00	30	Nearby park and school, speed continuity

#### ■ **Conditions**

Broadway Avenue is an east-west two (2) lane undivided collector street with centerline striping. The studied segment is approximately 1,300 feet long. On-street parking is allowed. There are four residential driveways fronting the segment. The surrounding land uses are residential with open park space. The intersection of Broadway Avenue and Lincoln Street is signalized as well as the intersection of Broadway Avenue and Grand Avenue. The intersections of Broadway Avenue and Outrigger Street, Crosswinds Court, and Northpointe Street are one- or two-way stop-controlled. There are no bike lanes. Sidewalks exist on both sides of the street. Canyon Estates Drive is curvilinear which can pose sight distance issues at the intersection of Broadway Avenue and Crosswinds Court. There are 25 mph speed limit signs at each end of the roadway segment.

Between Lincoln Street and Grand Avenue, Broadway Avenue carries approximately 1,300 vehicles per day. The speed survey was conducted on December 11, 2015. The 85<sup>th</sup>-percentile speed was measured at 35 mph.

#### ■ **Comments**

The 85<sup>th</sup>-percentile speed of 35 mph indicates a speed limit of 35 mph between Lincoln Street and Grand Avenue. There were no unsafe speed-related collision during the past two years.

#### ■ **Recommendations**

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, there are a number of nearby residential units and a park adjacent to the street. The roadway is also curvilinear which can cause sight distance issues at some intersections. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Broadway Avenue between Lincoln Street and Grand Avenue be reduced to 30 mph.

## ■ Canyon Estates Drive

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Canyon Estates Drive	Canyon View Drive	Summerhill Drive	35	43	38	33	33-42	72%	0.59	35	Intersection Sight Distance, Adjacent Residential Area

#### ■ Conditions

Canyon Estates Drive is an east-west two (2) lane undivided local street with centerline striping. The studied segment is approximately 2,715 feet long. No on-street parking is allowed. There are two business driveways fronting the segment. The surrounding land uses are mostly residential with few commercial and some vacant lots. The intersection of Canyon Estates Drive and Canyon View Drive is two-way stop controlled on the Canyon View Drive approaches while the intersection of Canyon Estates Drive and Summerhill Drive is signalized. There are no bike lanes. Sidewalks exist on most of the segments with gaps at unimproved areas. There are one-way stop controlled intersections at Sagecrest Drive, Stoney Creek Drive, Ridgecrest Drive, Saddle Ridge Drive, and Boulder Vista Drive. Canyon Estates Drive is curvilinear which can pose sight distance issues at a few of the intersections. There are 35 mph speed limit signs at each end of the roadway segment.

Between Canyon View Drive and Summerhill Drive, Canyon Estates Drive carries approximately 4,525 vehicles per day. The speed survey was conducted on October 15, 2015. The 85<sup>th</sup>-percentile speed was measured at 43 mph.

#### ■ Comments

The 85<sup>th</sup>-percentile speed of 43 mph indicates a speed limit of 45 mph between Canyon View Drive and Summerhill Drive. There was one unsafe speed-related collision during the past two years resulting in an accident per million vehicle miles rate of 0.59 which is below the state average.

#### ■ Recommendations

Rounding the 85<sup>th</sup>-percentile speed to the nearest 5 mph increment indicates a speed limit of 45 mph in this segment. However, there are a large number of nearby residential units and intersection sight distance issues. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Canyon Estates Drive between Canyon View Drive and Summerhill Drive remain 35 mph.

## ■ Casino Drive

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Casino Drive	Diamond Drive	Malaga Road	40	48	42	36	39-48	61%	0.42	45	85th percentile speed rounded down per CVC 21400(b)

#### ■ Conditions

Casino Drive is a north-south major street with two, three, and four lane segments. The studied segment is approximately 3,225 feet long. No on-street parking is allowed. There are many business driveways fronting the segment. The surrounding land uses are mostly commercial with vacant lots. The intersection of Casino Drive and Diamond Drive is signalized while the intersection of Casino Drive and Malaga Road is a 90 degree curve with a 20 mph advisory speed. There are no bike lanes. Sidewalks exist on most of the segment with gaps at unimproved areas. There are 40 mph speed limit signs at each end of the roadway segment.

Between Diamond Drive and Malaga Road, Casino Drive carries approximately 5,310 vehicles per day. The speed survey was conducted on October 15, 2015. The 85th-percentile speed was measured at 48 mph.

#### ■ Comments

The 85th-percentile speed of 48 mph indicates a speed limit of 50 mph between Diamond Drive and Malaga Road. There was one unsafe speed-related collision during the past two years resulting in an accident per million vehicle miles rate of 0.42 which is below the state average.

#### ■ Recommendations

Rounding the 85<sup>th</sup>-percentile speed to the nearest 5 mph increment indicates a speed limit of 50 mph in this segment. However, there are numerous business driveways fronting the street, a low speed curve at Malaga Road, and adjacent segment speeds of 45 mph. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Casino Drive between Diamond Drive and Malaga Road be 45 mph.

## ■ Central Avenue

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Central Avenue	Pasadena Street	Collier Avenue	25	33	29	24	25-34	78%	0.00	30	85th percentile speed rounded down per CVC 21400(b)

#### ■ Conditions

Central Avenue is a northeast-southwest divided major street with four lanes and a two-way left-turn lane. The studied segment is approximately 1,375 feet long. On-street parking is allowed. There are many business driveways fronting the segment. The surrounding land uses are mostly commercial with some vacant lots. The intersection of Central Avenue and Pasadena Street all-way stop controlled while the intersection of Central Avenue and Collier Avenue signalized. There are no bike lanes. Sidewalks exist on most of the segment with a gap at an unimproved area. There are 25 mph speed limit signs at each end of the roadway segment.

Between Pasadena Street and Collier Avenue, Central Avenue carries approximately 4,100 vehicles per day. The speed survey was conducted on December 11, 2015. The 85th-percentile speed was measured at 33 mph.

#### ■ Comments

The 85th-percentile speed of 33 mph indicates a speed limit of 35 mph between Pasadena Street and Collier Avenue. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

Rounding the 85<sup>th</sup>-percentile speed to the nearest 5 mph increment indicates a speed limit of 35 mph in this segment. However, there are numerous business driveways fronting the street, and a dead end at the end of the segment. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Central Avenue between Pasadena Street and Collier Avenue be rounded down to 30 mph.

## ■ Chaney Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Chaney Street	Treleven Avenue	Lakeshore Drive	30	44	39	35	36-45	74%	0.00	35	Closely-Spaced Intersections, Numerous Driveways

#### ■ Conditions

Chaney Street is a northeast-southwest 2 lane undivided major street. The studied segment is approximately 2,820 feet long. No on-street parking is allowed. There are several residential driveways fronting the segment. The surrounding land uses are mostly residential with many vacant lots. The intersection of Chaney Street and Treleven Avenue is one way stop controlled while the intersection of Chaney Street and Lakeshore Drive is a signalized “T” intersection. 11 residential streets intersect Chaney Street; 10 are one or two way stop controlled. The intersection of Chaney Street and Sumner Avenue is all way stop controlled. There are no bike lanes. Sidewalks only exist in front of a few properties. There are 30 mph speed limit signs at each end of the roadway segment.

Between Treleven Avenue and Lakeshore Drive, Chaney Street carries approximately 3,440 vehicles per day. The speed survey was conducted on October 15, 2015. The 85th-percentile speed was measured at 44 mph.

#### ■ Comments

The 85th-percentile speed of 44 mph indicates a speed limit of 45 mph between Treleven Avenue and Lakeshore Drive. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

Rounding the 85<sup>th</sup>-percentile speed to the nearest 5 mph increment indicates a speed limit of 45 mph in this segment. However, there are 11 intersecting streets, numerous residential driveways, and no pedestrian or bicycle facilities on the segment. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Chaney Street between Treleven Avenue and Lakeshore Drive be 35 mph.

## ■ Collier Avenue

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Collier Avenue	Central Avenue	Spring Street	50	50	45	39	42-51	67%	0.33	45	85th percentile speed reduced by 5 mph for speed continuity

#### ■ Conditions

Collier Avenue is a northwest-southeast two lane undivided major/secondary street. The studied segment is approximately 6,500 feet long. No on-street parking is allowed. There are many business driveways fronting the segment. The surrounding land uses are mostly commercial and industrial with vacant lots. The intersection of Collier Avenue and Central Avenue is signalized while the intersection of Collier Avenue and Spring Street is three way stop controlled. There are no bike lanes. Sidewalks exist on some areas of the segment with gaps at industrial sites and unimproved areas. There are 50 mph speed limit signs at each end of the roadway segment.

Between Central Avenue and Spring Street, Collier Avenue carries approximately 10,120 vehicles per day. The speed survey was conducted on October 8, 2015. The 85th-percentile speed was measured at 50 mph.

#### ■ Comments

The 85th-percentile speed of 50 mph indicates a speed limit of 50 mph between Central Avenue and Spring Street. There were three unsafe speed-related collisions during the past two years resulting in an accident per million vehicle miles rate of 0.33 which is below the state average.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 50 mph in this segment. However, there are numerous commercial and industrial driveways along the segment. Collier Avenue beyond Central Avenue has a posted speed of 45 mph. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Collier Avenue between Central Avenue and Spring Street be reduced to 45 mph.

## ■ Diamond Drive

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Diamond Drive	Malaga Road	Summerly Place	NP	40	35	30	32-41	72%	0.00	40	85th percentile speed

#### ■ Conditions

Diamond Drive is a north-south four lane divided major street. The studied segment is approximately 2,050 feet long. No on-street parking is allowed. No businesses or residential units front the street. The surrounding land uses are residential. The intersection of Diamond Drive and Malaga Road is all way stop controlled while the intersection of Diamond Drive and Summerly Place is all way stop controlled. There are bike lanes along the entire segment. Sidewalks exist along the entire segment. There are no existing posted speed limit signs.

Between Malaga Road and Summerly Place, Diamond Drive carries approximately 2,620 vehicles per day. The speed survey was conducted on October 15, 2015. The 85th-percentile speed was measured at 40 mph.

#### ■ Comments

The 85th-percentile speed of 40 mph indicates a speed limit of 40 mph between Malaga road and Summerly Place. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 40 mph in this segment. Based on the observed conditions, it is recommended that the posted speed limit on Diamond Drive between Malaga Road and Summerly Place be 40 mph.

## ■ Franklin Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Franklin Street	Main Street	Conklin Avenue	25	37	33	29	29-38	80%	0.00	25	Residence District
Franklin Street	Conklin Avenue	Rodeo Grounds	25	35	31	27	28-37	79%	0.00	30	Rolling Terrain, Low Speed Curves
Franklin Street	Rodeo Grounds	Avenue 6	25	42	38	33	35-44	74%	0.00	30	Low Speed Curves, Speed Continuity

### ■ Conditions

Franklin Street is an east-west two lane undivided local street. The studied segment is approximately 5,155 feet long. No on-street parking is allowed. There are many residential properties fronting the street from Main Street to Conklin Avenue. Most of the surrounding land uses are vacant lots. The roadway is on rolling terrain with multiple curves. The intersection of Franklin Street and Main Street is two way stop controlled. Rodeo Grounds is not an intersection, but an area of land near the I-15. The intersection of Franklin Street and Avenue 6 is one way stop controlled. There are several residential streets that intersect Franklin Avenue along the segment. There are no bike lanes and dirt shoulders existing in only a few areas. There are very few sidewalks along the segment. There are 25 mph speed limit signs at each end of the roadway segment.

For the purpose of this study, Franklin Street separated into three segments:

- Main Street to Conklin Avenue
- Conklin Avenue to Rodeo Grounds
- Rodeo Grounds to Avenue 6

Between Main Street and Avenue 6, Franklin Street carries approximately 4,310 vehicles per day. The speed surveys were conducted on October 14, 2015. The 85th-percentile speed between Main Street and Conklin Avenue was measured at 37 mph. The 85th-percentile speed between Conklin Avenue and Rodeo Grounds was measured at 35 mph. The 85th-percentile speed between Rodeo Grounds and Avenue 6 was measured at 42 mph.

### ■ Comments

The 85th-percentile speed of 37 mph indicates a speed limit of 35 mph between Main Street and Conklin Avenue. The 85th-percentile speed of 35 mph indicates a speed limit of 35 mph between Conklin Avenue and Rodeo Grounds. The 85th-percentile speed of 42 mph indicates a speed limit of 40 mph between Rodeo Grounds and Avenue 6. There were no unsafe speed-related collisions during the past two years.

## ▪ Recommendations

The results of the speed survey indicate a speed limit of 35 mph from Main Street to Conklin Avenue. However, that segment qualifies as a residence district as there are 16 homes that front the street. Based on the observed conditions, it is recommended that the posted speed limit on Franklin Street between Main Street and Conklin Avenue remain 25 mph.

The results of the speed survey indicate a speed limit of 35 mph from Conklin Avenue to Rodeo Grounds. However, the roadway has rolling terrain and 20 mph advisory speeds on the curves. There are also very few dirt shoulders for breakdowns or pedestrians. Based on the observed conditions, it is recommended that the posted speed limit on Franklin Street between Conklin Avenue and Rodeo Grounds be reduced to 30 mph.

The results of the speed survey indicate a speed limit of 40 mph from Rodeo Grounds to Avenue 6. However, there are no pedestrian or bicycle facilities and there are 20 mph advisory speeds on the curves. The adjacent roadway segments are also posted at 30 mph. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Franklin Street between Conklin Avenue and Rodeo Grounds be reduced to 30 mph.

## ■ Hidden Trail

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Hidden Trail	Summerly Place	Mission Trail	NP	37	28	21	26-35	50%	30	85th percentile speed reduced by 5 mph for speed continuity

#### ■ Conditions

Hidden Trail is an east-west two lane divided curvilinear collector street. The studied segment is approximately 2,500 feet long. No on-street parking is allowed. There are no homes or businesses fronting the segment. The surrounding land uses are residential. The intersection of Hidden Trail and Mission Trail is signalized while the intersection of Hidden Trail and Summerly Place is one-way stop controlled. Two other intersections within the segment are one- or two-way stop controlled. There are bike lanes along the entire segment. Sidewalks also exist along the entire segment. The median and sidewalk areas are heavily landscaped with trees and shrubbery. There are no existing speed limit signs.

Between Summerly Place and Mission Trail, Hidden Trail carries approximately 127 vehicles per day. This number is expected to increase greatly as the surrounding area gets developed. The speed survey was conducted on December 15, 2015. The 85th-percentile speed was measured at 37 mph.

#### ■ Comments

The 85th-percentile speed of 37 mph indicates a speed limit of 35 mph between Summerly Place and Mission Trail. There were no unsafe speed-related collisions during the past two years. The area is not fully developed which resulted in the low ADT count.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, there are two intersections along the curvilinear roadway segment which may encounter sight distance issues. The heavily landscaped medians and sidewalk areas can also block visibility for drivers. The nearby roadway of Summerly Place has a posted speed of 30 mph. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Hidden Trail between Summerly Place and Mission Trail be 30 mph.

## ■ Lakeshore Drive

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Lakeshore Drive	Main Street	Lucerne Street	40	50	45	40	42-51	76%	0.19	45	85th percentile speed reduced by 5 mph for speed continuity

#### ■ Conditions

Lakeshore Drive is an east-west two lane undivided arterial street. The studied segment is approximately 3,815 feet long. No on-street parking is allowed. There are only a few properties fronting the street. The surrounding land uses are mostly vacant lots with some residential. The roadway is on flat terrain. The intersection of Lakeshore Drive and Main Street is one way stop controlled while the intersection of Lakeshore Drive and Lucerne Street is one way stop controlled. There are six other local intersecting streets that are one way stop controlled along the segment. The Lake Elsinore Senior Activity Center is located at 420 Lakeshore Drive which is near the Main Street intersection. There are no bike lanes and dirt shoulders exist along most of the segment. There are no sidewalks along the segment. There are 40 mph speed limit signs at each end of the roadway segment.

Between Main Street and Lucerne Street, Franklin Street carries approximately 9,800 vehicles per day. The speed survey was conducted on October 15, 2015. The 85th-percentile speed was measured at 50 mph.

#### ■ Comments

The 85th-percentile speed of 50 mph indicates a speed limit of 50 mph between Main Street and Lucerne Street. There was one unsafe speed-related collision during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 50 mph in this segment. However, there are no bicycle or pedestrian facilities and there are multiple intersecting driveways and fronting properties. The adjacent segment of Lakeshore Drive is posted at 45 mph. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Lakeshore Drive between Main Street and Lucerne Street be reduced to 45 mph.

## ■ Limited Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Limited Street	Lakeshore Drive	Main Street	35	36	31	27	27-36	77%	1.48	30	High Accident Rate, Nearby Park

#### ■ Conditions

Limited Street is an east-west two lane undivided collector street. The studied segment is approximately 2,630 feet long. On-street parking is allowed on the north side of the street. Several homes and the sheriff's department front the street. The surrounding land uses are mostly residential with some recreation and government. The roadway is on flat terrain. The intersection of Limited Street and Lakeshore Drive is one way stop controlled while the intersection of Limited Street and Main Street is one way stop controlled. There are five other local intersecting streets that are one way stop controlled along the segment. There is a bike trail on the south side of the street. There are some sidewalks along the segment. There are 35 mph speed limit signs at each end of the roadway segment.

Between Lakeshore Drive and Main Street, Limited Street carries approximately 1,860 vehicles per day. The speed survey was conducted on October 14, 2015. The 85th-percentile speed was measured at 36 mph.

#### ■ Comments

The 85th-percentile speed of 36 mph indicates a speed limit of 35 mph between Lakeshore Drive and Main Street. There was one unsafe speed-related collision during the past two years resulting in an accident rate of 1.48 which is higher than the state average.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, there is a nearby park and an above average accident rate on the segment. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Limited Street between Lakeshore Drive and Main Street be reduced to 30 mph.

## ■ Main Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Accidents per Million Vehicle Miles	Recom Speed Limit	Justification
Main Street	Camino Del Norte	Heald Avenue	30	39	33	30	30-39	78%	0.92	35	85th percentile speed rounded down per CVC 21400(b)

#### ■ Conditions

Main Street is a north-south two lane undivided collector street. The studied segment is approximately 3,615 feet long. On-street parking is allowed on both sides of the street. Several homes and businesses front the street. The surrounding land uses are mostly residential with some commercial. The roadway is on flat terrain. The intersection of Main Street and Camino Del Norte is one way stop controlled while the intersection of Main Street and Heald Avenue is all way stop controlled. There are four other local intersecting streets that are one way stop controlled or all way stop controlled along the segment. The I-15 onramp and offramp intersections are located on Main Street near Camino Del Norte. There are no bike lanes along the street. There are sidewalks on both sides of the segment. There are 30 mph speed limit signs at each end of the roadway segment.

Between Camino Del Norte and Heald Avenue, Main Street carries approximately 6,530 vehicles per day. The speed survey was conducted on October 14, 2015. The 85th-percentile speed was measured at 39 mph.

#### ■ Comments

The 85th-percentile speed of 39 mph indicates a speed limit of 40 mph between Camino Del Norte and Heald Avenue. There were three unsafe speed-related collisions during the past two years resulting in an accident rate of 0.92 which is below than the state average.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 40 mph in this segment. However, there are multiple fronting properties and six intersecting streets with two all way stop intersections. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Limited Street between Lakeshore Drive and Main Street be reduced to 35 mph.

## ■ Mountain Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Mountain Street	Palm View Street	Lake Street	25	37	30	25	26-35	65%	30	85th percentile speed reduced by 5 mph for speed continuity

#### ■ Conditions

Mountain Street is an east-west two lane undivided collector street. The studied segment is approximately 860 feet long. No on-street parking is allowed. There is one home fronting the segment. The surrounding land uses are residential and vacant. The intersection of Lake Street and Mountain Street is signalized while the intersections at Palm View Street and Ginger Root Way are one-way stop controlled. Two other intersections within the segment are one- or two-way stop controlled. There are no bike lanes along the segment. Sidewalks exist along one side of the segment. There are 25 mph speed limit signs at each end of the roadway segment.

Between Palm View Street and Lake Street, Mountain Street carries approximately 3,340 vehicles per day. The speed survey was conducted on December 15, 2015. The 85th-percentile speed was measured at 37 mph.

#### ■ Comments

The 85th-percentile speed of 37 mph indicates a speed limit of 35 mph between Palm View Street and Lake Street. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, the roadway is a residential collector street adjacent and leading directly into residential areas. The short segment length makes posting a speed limit 10 mph over the residential limits unwieldy. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Mountain Street between Palm View Street and Lake Street be 30 mph.

## ■ Orange Grove Way

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Orange Grove Way	Palm View Street	Lake Street	25	36	31	25	26-35	64%	30	85th percentile speed reduced by 5 mph due to short length

#### ■ Conditions

Orange Grove Way is an east-west two lane divided collector street. The studied segment is approximately 850 feet long. On-street parking is allowed during certain times. There are no homes or businesses fronting the segment. The surrounding land uses are residential. The intersections of Lake Street and Orange Grove Way and Palm View Street and Orange Grove Way are one-way stop controlled while the intersection at Lemon Grove Way is two-way stop controlled. There are no bike lanes along the segment. Sidewalks exist along both sides of the segment. There are 25 mph speed limit signs at each end of the roadway segment.

Between Palm View Street and Lake Street, Orange Gove Way carries approximately 1,350 vehicles per day. The speed survey was conducted on December 15, 2015. The 85th-percentile speed was measured at 36 mph.

#### ■ Comments

The 85th-percentile speed of 36 mph indicates a speed limit of 35 mph between Palm View Street and Lake Street. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, the roadway is a residential collector street adjacent and leading directly into residential areas. The street is a very short segment with T intersections at both ends. The short segment length makes posting a speed limit 10 mph over the residential limits unwieldy. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Orange Grove Way between Palm View Street and Lake Street be 30 mph.

## ■ Riverside Street

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Riverside Street	SR-74	Steele Valley Road	35	44	38	34	34-43	74%	40	85th percentile speed rounded down per CVC 21400(b)

#### ■ Conditions

Orange Grove Way is an east-west two lane undivided and four lane divided major street. The street is not fully developed at this time. The studied segment is approximately 3,730 feet long. No on-street parking is allowed. There are one home and one business fronting the segment. The surrounding land uses are primarily residential and vacant. The intersection of Riverside Street and SR-74 is signalized while the intersection at Steele Valley Road and Riverside Street is all-way stop controlled. There are several small intersections within the segment that are one or two-way stop controlled. There are no bike lanes along the segment. Sidewalks exist along both sides of the segment. There are 35 mph speed limit signs at each end of the roadway segment.

Between SR-74 and Steele Valley Road, Riverside Street carries approximately 3,940 vehicles per day. The speed survey was conducted on December 14, 2015. The 85th-percentile speed was measured at 44 mph.

#### ■ Comments

The 85th-percentile speed of 44 mph indicates a speed limit of 45 mph between SR-74 and Steele Valley Road. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 45 mph in this segment. However, the roadway currently acts as a collector street that ends just east of Steele Valley Road. The roadway is also still under development in several areas which cause the lanes to shift and curve. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Riverside Street between SR-74 and Steele Valley Road be posted at 40 mph.

## ■ Summerly Place

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Summerly Place	Village Parkway	Hidden Trail	NP	33	26	19	21-30	56%	30	85th percentile speed rounded down per CVC 21400(b)

#### ■ Conditions

Summerly Place is an northwest-southeast two lane divided curvilinear collector street. The studied segment is approximately 1,825 feet long. No on-street parking is allowed. There are no homes or businesses fronting the segment. The surrounding land uses are residential. The intersection of Summerly Place and Village Parkway is one-way stop controlled as well as the intersection at Hidden Trail and Summerly Place. There are several intersections within the segment that are one or two-way stop controlled. Bike lanes exist along both sides of the roadway segment. Sidewalks also exist along both sides of the segment. There are no speed limit signs posted along the roadway segment.

Between Village Parkway and Hidden Trail, Summerly Place carries approximately 128 vehicles per day. This number is expected to increase quickly due to the nearby residential developments. The speed survey was conducted on December 15, 2015. The 85th-percentile speed was measured at 33 mph.

#### ■ Comments

The 85th-percentile speed of 33 mph indicates a speed limit of 35 mph between Village Parkway and Hidden Trail. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, there are two intersections along the curvilinear roadway segment which may encounter sight distance issues. The heavily landscaped medians and sidewalk areas can also block visibility for drivers. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Summerly Place between Village Parkway and Hidden Trail be 30 mph.

## ■ Temescal Canyon Road

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Temescal Canyon Road	Lake Street	North City Limit	NP	58	50	43	46-55	55%	50	Narrow bridge, curving roadway, higher collision rate

#### ■ Conditions

Temescal Canyon Road is an east-west two lane undivided curvilinear urban arterial. The studied segment is approximately 3,295 feet long. No on-street parking is allowed. There are two businesses fronting the segment. The surrounding land uses are vacant and commercial. The intersection of Temescal Canyon Road and Lake Street is signalized. There are two driveways within the segment that are one-way stop controlled. No bike lanes or sidewalks exist along the roadway segment. There are no speed limit signs posted along the roadway segment.

Between Lake Street and the northern city limits, Temescal Canyon Road carries approximately 5,335 vehicles per day. The speed survey was conducted on December 15, 2015. The 85th-percentile speed was measured at 58 mph.

#### ■ Comments

The 85th-percentile speed of 58 mph indicates a speed limit of 60 mph between Lake Street and the city limits. There were two unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 60 mph in this segment. However, there is a narrow bridge that is only provides 20' for two-way traffic. There is also a horizontal curve with an advisory speed of 40 mph. There have also been collisions on the roadway segment due to unsafe speeds. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Temescal Canyon Road between Lake Street and the northern city limits be 50 mph.

## ■ Via Scenica

### Speed Survey Summary of Findings

Street	From	To	Existing Speed Limit	85th %ile Speed	Median Speed	15th %ile Speed	10mph Pace Range	% in Pace Range	Recom Speed Limit	Justification
Via Scenica	Bella Vista	Summerhill Drive	NP	36	32	28	29-38	82%	30	85th percentile speed reduced by 5 mph for steep road profile

#### ■ Conditions

Via Scenica is an east-west two lane undivided curvilinear urban arterial. The studied segment is approximately 2,240 feet long. On-street parking is allowed. There are no homes or businesses fronting the segment. The surrounding land uses are residential. The intersection of Via Scenica and Bella Vista is one-way stop controlled while the intersection of Via Scenica and Summerhill Drive is signalized. There are four intersections within the segment that are one or two-way stop controlled. No bike lanes exist along the roadway segment. Sidewalks exist along both sides of the roadway. There are no speed limit signs posted along the roadway segment.

Between Bella Vista and Summerhill Drive, Via Scenica carries approximately 1,050 vehicles per day. The speed survey was conducted on December 14, 2015. The 85th-percentile speed was measured at 36 mph.

#### ■ Comments

The 85th-percentile speed of 36 mph indicates a speed limit of 35 mph between Bella Vista and Summerhill Drive. There were no unsafe speed-related collisions during the past two years.

#### ■ Recommendations

The results of the speed survey indicate a speed limit of 35 mph in this segment. However, there is a vertical roadway curve that can cause sight distance issues for drivers on Via Scenica and drivers on intersecting roadways. Based on the observed conditions and per CVC Section 21400(b), it is recommended that the posted speed limit on Via Scenica between Bella Vista and Summerhill Drive be 30 mph.

# APPENDIX

# VEHICLE SPEED SURVEY SHEETS

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.	
				Eastbound								Westbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	0	54																		0
53	0	0	53																		0
52	0	0	52																		0
51	0	0	51																		0
50	0	0	50																		0
49	0	0	49																		0
48	0	0	48																		0
47	0	0	47																		0
46	0	0	46																		0
45	0	0	45																		0
44	0	0	44																		0
43	0	0	43																		0
42	1	0	42	X																	1
41	1	0	41	X																	1
40	0	0	40																		0
39	2	0	39	X	X																2
38	2	1	38	X	X						X										3
37	1	2	37	X							X	X									3
36	5	0	36	X	X	X	X	X													5
35	4	2	35	X	X	X	X				X	X									6
34	1	4	34	X							X	X	X	X							5
33	5	4	33	X	X	X	X	X			X	X	X								9
32	7	4	32	X	X	X	X	X	X		X	X	X								11
31	6	7	31	X	X	X	X	X	X		X	X	X	X	X						13
30	2	5	30	X	X						X	X	X	X							7
29	3	9	29	X	X	X					X	X	X	X	X	X	X				12
28	4	3	28	X	X	X	X				X	X	X								7
27	1	3	27	X							X	X	X								4
26	1	0	26	X																	1
25	1	3	25	X							X	X	X								4
24	0	2	24								X	X									2
23	2	1	23	X	X						X										3
22	1	0	22	X																	1
21	0	0	21																		0
20	0	0	20																		0
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

Location: 2nd Street  
 Between: Dexter Avenue - Camino Del Norte  
 Weather: Clear  
 Date: 10/8/15  
 Time From: 8:20  
 Time To: 9:30  
 Existing Speed Limit: 35 M. P. H.

% Over Pace:	10%
% In Pace:	79%
% Under Pace:	11%
Average Speed:	31 M.P.H.
Pace Speed:	27 - 36 M.P.H.
15th Percentile / Critical Speed:	27 MPH
50th Percentile / Critical Speed:	30 MPH
85th Percentile / Critical Speed:	35 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

# Counts Unlimited, Inc

PO Box 1178  
 Corona, CA 92878  
 Phone: 951-268-6268  
 email: counts@countsunlimited.com

City of Lake Elsinore  
 3rd Street  
 W/ Waterford Street  
 72 Hour Directional Speed Survey

LKE002  
 Site Code: 067-15381

## Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/09/15	0	0	1	1	2	4	1	1	0	0	0	0	0	0	10
01:00	0	0	1	4	4	4	1	0	0	0	0	0	0	0	14
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
03:00	0	0	0	0	4	3	1	0	0	0	0	0	0	0	8
04:00	0	0	0	0	9	4	4	1	0	1	0	0	0	0	19
05:00	1	0	1	6	8	2	0	1	0	0	0	0	0	0	19
06:00	9	0	0	3	8	7	9	0	0	0	0	0	0	0	36
07:00	2	0	5	7	16	21	2	2	0	0	0	0	0	0	55
08:00	0	3	5	10	13	10	0	0	0	0	0	0	0	0	41
09:00	0	2	4	10	21	11	2	2	0	0	0	0	0	0	52
10:00	3	0	0	11	10	10	3	0	0	0	0	0	0	0	37
11:00	0	0	4	9	17	17	7	0	0	0	0	0	0	0	54
12 PM	0	1	0	7	18	21	2	0	0	0	0	0	0	0	49
13:00	0	0	0	2	13	17	8	4	0	0	0	0	0	0	44
14:00	0	0	1	2	16	18	7	1	1	0	0	0	0	0	46
15:00	4	0	4	2	24	26	14	3	1	0	0	0	0	0	78
16:00	3	0	2	4	20	21	13	6	1	0	0	0	0	0	70
17:00	0	0	1	7	15	30	15	1	2	0	0	0	0	0	71
18:00	4	1	0	8	22	23	10	4	1	0	1	0	0	0	74
19:00	0	0	5	7	25	14	1	5	1	0	2	0	0	0	60
20:00	0	0	2	3	26	16	8	1	0	1	0	0	0	0	57
21:00	2	0	1	5	15	9	2	1	0	0	0	0	0	0	35
22:00	0	1	1	5	5	5	3	0	1	0	0	0	0	0	21
23:00	0	0	1	2	11	5	1	1	0	1	0	0	0	0	22
<b>Total</b>	<b>28</b>	<b>8</b>	<b>39</b>	<b>115</b>	<b>322</b>	<b>299</b>	<b>115</b>	<b>34</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>974</b>
<b>Grand Total</b>	<b>55</b>	<b>18</b>	<b>87</b>	<b>351</b>	<b>948</b>	<b>883</b>	<b>344</b>	<b>114</b>	<b>19</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2831</b>

15th Percentile : 28 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 45 MPH

Statistics  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1831  
 Percent in Pace : 64.7%  
 Number of Vehicles > 55 MPH : 12  
 Percent of Vehicles > 55 MPH : 0.4%

### Counts Unlimited, Inc.

City of Lake Elsinore  
 Avenue 6th  
 B/ Franklin Street - Mill Street  
 24 Hour Directional Speed Survey

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email.counts@countsunlimited.com

LKE003  
 Site Code: 067-15553

**Northbound, Southbound**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/05/15	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
02:00	0	0	1	1	1	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
04:00	3	0	1	0	2	2	2	1	0	0	0	0	0	0	11
05:00	0	0	0	3	2	5	2	0	0	0	0	0	0	0	12
06:00	1	0	1	6	12	11	3	0	0	0	0	0	0	0	34
07:00	0	1	1	25	80	51	19	6	1	0	0	0	0	0	184
08:00	0	0	0	4	23	21	8	0	0	0	0	0	0	0	56
09:00	2	1	1	12	19	17	3	0	0	0	0	0	0	0	55
10:00	0	0	0	4	9	10	3	0	0	0	0	0	0	0	26
11:00	4	0	1	28	32	21	5	2	0	0	0	0	0	0	93
12 PM	1	1	2	7	25	7	3	2	0	0	0	0	0	0	48
13:00	1	0	8	23	38	40	13	2	1	0	0	0	0	0	126
14:00	1	0	2	7	36	33	11	2	0	0	0	0	0	0	92
15:00	4	2	1	12	36	25	9	2	0	0	0	0	0	0	91
16:00	4	0	4	6	31	25	12	4	0	0	0	0	0	0	86
17:00	3	0	2	14	41	33	7	4	1	0	0	0	0	0	105
18:00	2	1	8	11	18	18	6	0	0	0	0	0	0	0	64
19:00	0	0	0	10	15	7	4	1	0	0	0	0	0	0	37
20:00	0	0	0	12	11	6	4	1	0	0	0	0	0	0	34
21:00	1	0	1	6	10	5	1	1	0	0	0	0	0	0	25
22:00	0	0	2	3	9	2	2	1	0	0	0	0	0	0	19
23:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>27</b>	<b>6</b>	<b>37</b>	<b>197</b>	<b>454</b>	<b>344</b>	<b>117</b>	<b>29</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1214</b>

Daily  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 43 MPH

Statistics  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 798  
 Percent in Pace : 65.7%  
 Number of Vehicles > 55 MPH : 0  
 Percent of Vehicles > 55 MPH : 0.0%

**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.	
				Northbound								Southbound									VEH.
65	0	0	65																		0
64	1	1	64	X													X				2
63	0	0	63																		0
62	0	0	62																		0
61	0	1	61														X				1
60	0	1	60														X				1
59	1	0	59	X																	1
58	0	1	58														X				1
57	2	0	57	X	X																2
56	4	1	56	X	X	X	X										X				5
55	2	2	55	X	X												X	X			4
54	1	2	54	X													X	X			3
53	5	3	53	X	X	X	X	X									X	X	X		8
52	5	3	52	X	X	X	X	X									X	X	X		8
51	4	3	51	X	X	X	X										X	X	X		7
50	5	2	50	X	X	X	X	X									X	X			7
49	4	4	49	X	X	X	X										X	X	X	X	8
48	5	5	48	X	X	X	X	X									X	X	X	X	10
47	2	5	47	X	X												X	X	X	X	7
46	2	4	46	X	X												X	X	X	X	6
45	2	3	45	X	X												X	X	X		5
44	1	0	44	X																	1
43	2	4	43	X	X												X	X	X	X	6
42	0	3	42														X	X	X		3
41	0	0	41																		0
40	1	1	40	X													X				2
39	0	0	39																		0
38	0	0	38																		0
37	0	1	37														X				1
36	0	0	36																		0
35	0	0	35																		0
34	0	0	34																		0
33	0	0	33																		0
32	1	0	32	X																	1
31	0	0	31																		0
30	0	0	30																		0
29	0	0	29																		0
28	0	0	28																		0
27	0	0	27																		0
26	0	0	26																		0
25	0	0	25																		0
24	0	0	24																		0
23	0	0	23																		0
22	0	0	22																		0
21	0	0	21																		0
20	0	0	20																		0
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
<b>GRAND TOTALS</b>																			<b>100</b>		

Location: Camino Del Norte  
 Between: Main Street - 1000' S/ 2nd Street  
 Weather: Clear  
 Date: 10/8/15  
 Time From: 9:35  
 Time To: 10:20  
 Existing Speed Limit: 55 M. P. H.

% Over Pace: \_\_\_\_\_ 17%  
 % In Pace: \_\_\_\_\_ 69%  
 % Under Pace: \_\_\_\_\_ 14%  
 Average Speed: \_\_\_\_\_ 50 M.P.H.  
 Pace Speed: \_\_\_\_\_ 45 - 54 M.P.H.

15th Percentile / Critical Speed:	44 MPH
50th Percentile / Critical Speed:	49 MPH
85th Percentile / Critical Speed:	54 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

## City of Lake Elsinore Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.
				Eastbound								Westbound								
65	0	0	65																0	
64	0	0	64																0	
63	0	0	63																0	
62	0	0	62																0	
61	0	0	61																0	
60	0	0	60																0	
59	0	0	59																0	
58	0	0	58																0	
57	0	0	57																0	
56	0	0	56																0	
55	0	0	55																0	
54	0	0	54																0	
53	0	0	53																0	
52	0	0	52																0	
51	0	0	51																0	
50	0	0	50																0	
49	0	0	49																0	
48	1	0	48	X															1	
47	0	1	47							X									1	
46	1	3	46	X						X	X	X							4	
45	5	2	45	X	X	X	X	X		X	X								7	
44	3	0	44	X	X	X													3	
43	4	0	43	X	X	X	X												4	
42	5	2	42	X	X	X	X	X		X	X								7	
41	6	4	41	X	X	X	X	X	X	X	X	X							10	
40	2	4	40	X	X					X	X	X	X						6	
39	8	7	39	X	X	X	X	X	X	X	X	X	X	X					15	
38	1	1	38	X						X									2	
37	2	4	37	X	X					X	X	X	X						6	
36	4	5	36	X	X	X	X			X	X	X	X						9	
35	4	2	35	X	X	X	X			X	X								6	
34	0	6	34							X	X	X	X	X	X				6	
33	1	4	33	X						X	X	X	X						5	
32	1	1	32	X						X									2	
31	1	0	31	X															1	
30	0	1	30							X									1	
29	0	1	29							X									1	
28	1	0	28	X															1	
27	0	1	27							X									1	
26	0	1	26							X									1	
25	0	0	25																0	
24	0	0	24																0	
23	0	0	23																0	
22	0	0	22																0	
21	0	0	21																0	
20	0	0	20																0	
19	0	0	19																0	
18	0	0	18																0	
17	0	0	17																0	
16	0	0	16																0	
15	0	0	15																0	
				<b>GRAND TOTALS</b>																<b>100</b>

**Location:** Canyon Estates Drive  
**Between:** Canyon View Drive - Summerhill Drive  
**Weather:** Clear  
**Date:** 10/15/15  
**Time From:** 11:10  
**Time To:** 11:45  
**Existing Speed Limit:** 35 M. P. H.

<b>% Over Pace:</b>	20%
<b>% In Pace:</b>	72%
<b>% Under Pace:</b>	8%
<b>Average Speed:</b>	39 M.P.H.
<b>Pace Speed:</b>	33 - 42 M.P.H.
<b>15th Percentile / Critical Speed:</b>	33 MPH
<b>50th Percentile / Critical Speed:</b>	38 MPH
<b>85th Percentile / Critical Speed:</b>	43 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.	
				Eastbound								Westbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	1	56																	X	1
55	1	1	55	X																X	2
54	1	1	54	X																X	2
53	1	3	53	X																X X X	4
52	1	0	52	X																	1
51	2	0	51	X X																	2
50	1	1	50	X																X	2
49	0	2	49																	X X	2
48	3	3	48	X X X																X X X	6
47	3	3	47	X X X																X X X	6
46	2	4	46	X X																X X X X	6
45	3	4	45	X X X																X X X X	7
44	3	3	44	X X X																X X X	6
43	5	2	43	X X X X X																X X	7
42	3	4	42	X X X																X X X X	7
41	3	5	41	X X X																X X X X X	8
40	1	3	40	X																X X X	4
39	2	2	39	X X																X X	4
38	2	3	38	X X																X X X	5
37	3	1	37	X X X																X	4
36	2	1	36	X X																X	3
35	0	0	35																		0
34	1	1	34	X																X	2
33	1	0	33	X																	1
32	0	0	32																		0
31	1	2	31	X																X X	3
30	2	0	30	X X																	2
29	1	0	29	X																	1
28	1	0	28	X																	1
27	1	0	27	X																	1
26	0	0	26																		0
25	0	0	25																		0
24	0	0	24																		0
23	0	0	23																		0
22	0	0	22																		0
21	0	0	21																		0
20	0	0	20																		0
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

Location: Casino Drive  
 Between: Diamond Drive - Malaga Road  
 Weather: Clear  
 Date: 10/15/15  
 Time From: 8:55  
 Time To: 9:45  
 Existing Speed Limit: 40 M. P. H.

% Over Pace:	16%
% In Pace:	61%
% Under Pace:	23%
Average Speed:	43 M.P.H.
Pace Speed:	39 - 48 M.P.H.
15th Percentile / Critical Speed:	36 MPH
50th Percentile / Critical Speed:	42 MPH
85th Percentile / Critical Speed:	48 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267



**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.		
				Northbound								Southbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	0	0	55																			0
54	1	0	54	X																		1
53	0	0	53																			0
52	1	0	52	X																		1
51	0	0	51																			0
50	1	0	50	X																		1
49	0	0	49																			0
48	1	2	48	X						X	X											3
47	1	1	47	X						X												2
46	1	2	46	X						X	X											3
45	1	3	45	X						X	X	X										4
44	3	1	44	X	X	X				X												4
43	2	5	43	X	X					X	X	X	X	X								7
42	6	0	42	X	X	X	X	X	X													6
41	5	4	41	X	X	X	X	X		X	X	X										9
40	7	3	40	X	X	X	X	X	X	X	X											10
39	2	4	39	X	X					X	X	X										6
38	5	6	38	X	X	X	X			X	X	X	X	X								11
37	1	5	37	X						X	X	X	X									6
36	7	4	36	X	X	X	X	X	X	X	X											11
35	1	2	35	X						X	X											3
34	1	3	34	X						X	X	X										4
33	2	2	33	X	X					X	X											4
32	0	2	32							X	X											2
31	1	1	31	X						X												2
30	0	0	30																			0
29	0	0	29																			0
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Chaney Street  
 Between: Treleven Avenue - Lakeshore Avenue  
 Weather: Clear  
 Date: 10/8/15  
 Time From: 11:10  
 Time To: 11:45  
 Existing Speed Limit: 40 M. P. H.

% Over Pace: 11%  
 % In Pace: 74%  
 % Under Pace: 15%  
 Average Speed: 40 M.P.H.  
 Pace Speed: 36 - 45 M.P.H.

15th Percentile / Critical Speed:	35 MPH
50th Percentile / Critical Speed:	39 MPH
85th Percentile / Critical Speed:	44 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	1	1	58	X													X					2
57	1	0	57	X																		1
56	4	1	56	X	X	X	X										X					5
55	1	2	55	X													X	X				3
54	2	3	54	X	X												X	X	X			5
53	4	1	53	X	X	X	X										X					5
52	4	5	52	X	X	X	X										X	X	X	X		9
51	1	5	51	X													X	X	X	X		6
50	4	4	50	X	X	X	X										X	X	X			8
49	2	5	49	X	X												X	X	X	X		7
48	5	2	48	X	X	X	X	X									X	X				7
47	4	1	47	X	X	X	X										X					5
46	3	4	46	X	X	X											X	X	X			7
45	0	1	45														X					1
44	4	4	44	X	X	X	X										X	X	X			8
43	4	0	43	X	X	X	X										X	X	X			4
42	1	3	42	X													X	X	X			4
41	1	2	41	X													X	X				3
40	1	0	40	X																		1
39	1	2	39	X													X	X				3
38	0	1	38														X					1
37	1	2	37	X													X	X				3
36	0	1	36														X					1
35	0	0	35																			0
34	1	0	34	X																		1
33	0	0	33																			0
32	0	0	32																			0
31	0	0	31																			0
30	0	0	30																			0
29	0	0	29																			0
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Collier Avenue  
 Between: Nichols Road - Riverside Drive  
 Weather: Clear  
 Date: 10/15/15  
 Time From: 3:40  
 Time To: 4:00  
 Existing Speed Limit: 50 M. P. H.

% Over Pace:	16%
% In Pace:	63%
% Under Pace:	21%
Average Speed:	48 M.P.H.
Pace Speed:	44 - 53 M.P.H.
15th Percentile / Critical Speed:	41 MPH
50th Percentile / Critical Speed:	48 MPH
85th Percentile / Critical Speed:	53 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	2	0	57	X	X																	2
56	0	0	56																			0
55	0	1	55														X					1
54	2	2	54	X	X												X	X				4
53	0	1	53														X					1
52	3	1	52	X	X	X											X					4
51	3	2	51	X	X	X											X	X				5
50	3	2	50	X	X	X											X	X				5
49	1	2	49	X													X	X				3
48	5	4	48	X	X	X	X	X									X	X	X	X		9
47	7	2	47	X	X	X	X	X	X	X							X	X				9
46	3	5	46	X	X	X											X	X	X	X		8
45	3	5	45	X	X	X											X	X	X	X		8
44	5	4	44	X	X	X	X	X									X	X	X			9
43	1	4	43	X													X	X	X	X		5
42	2	4	42	X	X												X	X	X	X		6
41	3	2	41	X	X	X											X	X				5
40	2	2	40	X	X												X	X				4
39	3	1	39	X	X	X											X					4
38	0	3	38														X	X	X			3
37	2	0	37	X	X																	2
36	0	2	36														X	X				2
35	0	0	35																			0
34	0	1	34														X					1
33	0	0	33																			0
32	0	0	32																			0
31	0	0	31																			0
30	0	0	30																			0
29	0	0	29																			0
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Collier Avenue  
 Between: Central Avenue - Spring Street  
 Weather: Clear  
 Date: 10/8/15  
 Time From: 10:30  
 Time To: 11:05  
 Existing Speed Limit: 50 M. P. H.

% Over Pace: 12%  
 % In Pace: 67%  
 % Under Pace: 21%  
 Average Speed: 46 M.P.H.  
 Pace Speed: 42 - 51 M.P.H.

15th Percentile / Critical Speed:	39 MPH
50th Percentile / Critical Speed:	45 MPH
85th Percentile / Critical Speed:	50 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed		TOT.
				Northbound	Southbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	2	45		X X	2
44	1	0	44	X		1
43	4	2	43	X X X X	X X	6
42	3	1	42	X X X	X	4
41	3	3	41	X X X	X X X	6
40	1	2	40	X	X X	3
39	2	4	39	X X	X X X X	6
38	7	2	38	X X X X X X X	X X	9
37	2	2	37	X X	X X	4
36	7	5	36	X X X X X X X	X X X X X	12
35	3	3	35	X X X	X X X	6
34	2	8	34	X X	X X X X X X X X	10
33	6	4	33	X X X X X X	X X X X	10
32	3	3	32	X X X	X X X	6
31	1	3	31	X	X X X	4
30	2	2	30	X X	X X	4
29	1	1	29	X	X	2
28	0	0	28			0
27	2	1	27	X X	X	3
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	1	23		X	1
22	0	0	22			0
21	0	0	21			0
20	0	1	20		X	1
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

**Location:** Diamond Drive

**Between:** Malaga Road - Summerly Place

**Weather:** Clear

**Date:** 10/15/15

**Time From:** 9:50

**Time To:** 10:30

**Existing Speed Limit:** 35 M. P. H.

* % Over Pace:	13%
* % In Pace:	72%
* % Under Pace:	15%
* Average Speed:	36 M.P.H.
* Pace Speed:	32 - 41 M.P.H.
<b>15th Percentile / Critical Speed: 30 MPH</b>	
<b>50th Percentile / Critical Speed: 35 MPH</b>	
<b>85th Percentile / Critical Speed: 40 MPH</b>	

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
PO Box 1178  
Corona, CA 92880  
T 951-268-6268 F 951-268-6267

### Counts Unlimited, Inc.

City of Lake Elsinore  
 Flint Street  
 B/ Main Street - Adobe Street  
 24 Hour Directional Speed Survey

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email.counts@countsunlimited.com

LKE012  
 Site Code: 067-15553

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/03/15	0	0	1	2	2	0	0	0	0	0	0	0	0	0	5
01:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
04:00	0	0	2	7	2	1	0	0	0	0	0	0	0	0	12
05:00	0	1	2	5	4	1	3	0	0	0	0	0	0	0	16
06:00	0	2	2	7	3	4	0	0	0	0	0	0	0	0	18
07:00	0	2	1	14	6	3	0	0	0	0	0	0	0	0	26
08:00	0	1	5	9	3	3	1	0	0	0	0	0	0	0	22
09:00	0	0	6	10	5	0	0	0	0	0	0	0	0	0	21
10:00	0	2	6	1	7	2	1	0	0	0	0	0	0	0	19
11:00	1	1	0	6	4	1	0	0	0	0	0	0	0	0	13
12 PM	2	1	7	6	6	4	1	0	0	0	0	0	0	0	27
13:00	4	1	6	10	11	3	0	0	0	0	0	0	0	0	35
14:00	1	0	1	7	12	6	2	0	0	0	0	0	0	0	29
15:00	2	0	8	7	13	0	4	0	0	0	0	0	0	0	34
16:00	2	4	4	5	11	3	0	1	0	0	0	0	0	0	30
17:00	1	2	8	12	11	4	0	0	0	0	0	0	0	0	38
18:00	2	5	5	12	3	3	2	0	0	0	0	0	0	0	32
19:00	0	3	6	8	3	0	2	0	0	0	0	0	0	0	22
20:00	1	1	3	5	4	0	0	0	0	0	0	0	0	0	14
21:00	0	4	5	9	4	2	0	0	0	0	0	0	0	0	24
22:00	0	1	4	4	2	0	1	0	0	0	0	0	0	0	12
23:00	0	1	3	2	1	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>17</b>	<b>32</b>	<b>88</b>	<b>150</b>	<b>117</b>	<b>41</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>463</b>

Daily  
 15th Percentile : 21 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 39 MPH

Statistics  
 Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 267  
 Percent in Pace : 57.7%  
 Number of Vehicles > 55 MPH : 0  
 Percent of Vehicles > 55 MPH : 0.0%

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.
				Eastbound								Westbound								
65	0	0	65																	0
64	0	0	64																	0
63	0	0	63																	0
62	0	0	62																	0
61	0	0	61																	0
60	0	0	60																	0
59	0	0	59																	0
58	0	0	58																	0
57	0	0	57																	0
56	0	0	56																	0
55	0	0	55																	0
54	0	0	54																	0
53	0	0	53																	0
52	0	0	52																	0
51	0	0	51																	0
50	0	0	50																	0
49	0	0	49																	0
48	0	0	48																	0
47	1	0	47	X																1
46	0	1	46							X										1
45	0	0	45																	0
44	1	0	44	X																1
43	0	1	43							X										1
42	0	0	42																	0
41	2	1	41	X	X					X										3
40	1	1	40	X						X										2
39	2	1	39	X	X					X										3
38	3	3	38	X	X	X				X	X	X								6
37	5	4	37	X	X	X	X	X		X	X	X	X							9
36	1	6	36	X						X	X	X	X	X	X					7
35	6	4	35	X	X	X	X	X	X	X	X	X								10
34	5	5	34	X	X	X	X	X		X	X	X	X	X						10
33	5	6	33	X	X	X	X	X		X	X	X	X	X	X					11
32	5	2	32	X	X	X	X	X		X	X									7
31	3	2	31	X	X	X				X	X									5
30	3	6	30	X	X	X				X	X	X	X	X	X					9
29	2	4	29	X	X					X	X	X								6
28	1	0	28	X																1
27	2	0	27	X	X															2
26	2	2	26	X	X					X	X									4
25	0	1	25							X										1
24	0	0	24																	0
23	0	0	23																	0
22	0	0	22																	0
21	0	0	21																	0
20	0	0	20																	0
19	0	0	19																	0
18	0	0	18																	0
17	0	0	17																	0
16	0	0	16																	0
15	0	0	15																	0
				<b>GRAND TOTALS</b>																<b>100</b>

**Location:** Franklin Street

**Between:** Main Street - Conklin Avenue

**Weather:** Clear

**Date:** 10/14/15

**Time From:** 12:15

**Time To:** 12:40

**Existing Speed Limit:** 25 M. P. H.

% Over Pace:	12%
% In Pace:	80%
% Under Pace:	8%
Average Speed:	34 M.P.H.
Pace Speed:	29 - 38 M.P.H.
15th Percentile / Critical Speed:	29 MPH
50th Percentile / Critical Speed:	33 MPH
85th Percentile / Critical Speed:	37 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

## City of Lake Elsinore Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed		TOT.
				Eastbound	Westbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	0	1	45		X	1
44	0	0	44			0
43	1	0	43	X		1
42	0	0	42			0
41	0	0	41			0
40	0	1	40		X	1
39	0	1	39		X	1
38	1	3	38	X	X X X	4
37	3	1	37	X X X	X	4
36	3	2	36	X X X	X X	5
35	2	8	35	X X	X X X X X X X X	10
34	2	5	34	X X	X X X X X	7
33	5	5	33	X X X X X	X X X X X	10
32	6	8	32	X X X X X X	X X X X X X X X	14
31	10	4	31	X X X X X X X X X X X X	X X X X	14
30	2	1	30	X X	X	3
29	2	3	29	X X	X X X	5
28	3	4	28	X X X	X X X X	7
27	2	2	27	X X	X X	4
26	5	0	26	X X X X X		5
25	3	1	25	X X X	X	4
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

**Location:** Franklin Street  
**Between:** Conklin Avenue - Rodeo Grounds  
**Weather:** Clear  
**Date:** 10/14/15  
**Time From:** 11:45  
**Time To:** 12:10  
**Existing Speed Limit:** 25 M. P. H.

<b>% Over Pace:</b>	8%
<b>% In Pace:</b>	79%
<b>% Under Pace:</b>	13%
<b>Average Speed:</b>	32 M.P.H.
<b>Pace Speed:</b>	28 - 37 M.P.H.
<b>15th Percentile / Critical Speed:</b>	27 MPH
<b>50th Percentile / Critical Speed:</b>	31 MPH
<b>85th Percentile / Critical Speed:</b>	35 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267



## City of Lake Elsinore Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	0	0	55																			0
54	0	0	54																			0
53	0	0	53																			0
52	0	0	52																			0
51	0	0	51																			0
50	0	0	50																			0
49	0	0	49																			0
48	0	0	48																			0
47	0	0	47																			0
46	0	0	46																			0
45	0	0	45																			0
44	0	0	44																			0
43	0	2	43													X	X					2
42	1	0	42	X																		1
41	0	0	41																			0
40	3	0	40	X	X	X																3
39	0	1	39													X						1
38	3	4	38	X	X	X										X	X	X	X			7
37	4	5	37	X	X	X	X									X	X	X	X	X		9
36	4	6	36	X	X	X	X									X	X	X	X	X	X	10
35	4	3	35	X	X	X	X									X	X	X				7
34	7	5	34	X	X	X	X	X	X							X	X	X	X	X		12
33	7	5	33	X	X	X	X	X	X	X						X	X	X	X	X		12
32	5	5	32	X	X	X	X	X								X	X	X	X	X		10
31	1	5	31	X												X	X	X	X			6
30	5	3	30	X	X	X	X	X								X	X	X				8
29	2	3	29	X	X											X	X	X				5
28	3	3	28	X	X	X										X	X	X				6
27	1	0	27	X																		1
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

**Location:** Graham Avenue  
**Between:** Lakeshore Drive - Lindsay Street  
**Weather:** Clear  
**Date:** 10/14/15  
**Time From:** 9:35  
**Time To:** 10:05  
**Existing Speed Limit:** 30 M. P. H.

<b>% Over Pace:</b>	<u>7%</u>
<b>% In Pace:</b>	<u>86%</u>
<b>% Under Pace:</b>	<u>7%</u>
<b>Average Speed:</b>	<u>34</u> M.P.H.
<b>Pace Speed:</b>	<u>29 - 38</u> M.P.H.
<b>15th Percentile / Critical Speed:</b>	<u>29</u> MPH
<b>50th Percentile / Critical Speed:</b>	<u>33</u> MPH
<b>85th Percentile / Critical Speed:</b>	<u>37</u> MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267



**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed		TOT.
				Northbound	Southbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	1	0	58	X		1
57	0	0	57			0
56	0	1	56		X	1
55	2	1	55	X X	X	3
54	2	0	54	X X		2
53	1	1	53	X	X	2
52	0	1	52		X	1
51	2	3	51	X X	X X X	5
50	2	3	50	X X	X X X	5
49	6	6	49	X X X X X X	X X X X X X	12
48	3	5	48	X X X	X X X X X	8
47	7	7	47	X X X X X X X	X X X X X X X	14
46	7	5	46	X X X X X X X	X X X X X	12
45	3	1	45	X X X	X	4
44	2	3	44	X X	X X X	5
43	4	0	43	X X X X		4
42	0	3	42		X X X	3
41	2	2	41	X X	X X	4
40	1	1	40	X	X	2
39	0	3	39		X X X	3
38	1	1	38	X	X	2
37	2	1	37	X X	X	3
36	1	0	36	X		1
35	0	1	35		X	1
34	1	0	34	X		1
33	0	1	33		X	1
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Grand Avenue  
 Between: Lakeshore Drive - Lincoln Street  
 Weather: Clear  
 Date: 10/13/15  
 Time From: 10:45  
 Time To: 11:10  
 Existing Speed Limit: 45 M. P. H.

% Over Pace: \_\_\_\_\_ 10%  
 % In Pace: \_\_\_\_\_ 72%  
 % Under Pace: \_\_\_\_\_ 18%  
 Average Speed: \_\_\_\_\_ 46 M.P.H.  
 Pace Speed: \_\_\_\_\_ 42 - 51 M.P.H.

15th Percentile / Critical Speed:	40 MPH
50th Percentile / Critical Speed:	46 MPH
85th Percentile / Critical Speed:	50 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267





**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.
				Northbound								Southbound								
65	0	0	65																0	
64	0	0	64																0	
63	0	0	63																0	
62	0	0	62																0	
61	0	0	61																0	
60	0	0	60																0	
59	0	0	59																0	
58	0	0	58																0	
57	0	0	57																0	
56	0	0	56																0	
55	0	0	55																0	
54	0	0	54																0	
53	0	0	53																0	
52	0	0	52																0	
51	0	0	51																0	
50	0	0	50																0	
49	0	0	49																0	
48	2	1	48	X	X						X								3	
47	0	1	47								X								1	
46	0	0	46																0	
45	0	0	45																0	
44	0	3	44								X	X	X						3	
43	0	4	43								X	X	X	X					4	
42	2	5	42	X	X						X	X	X	X	X				7	
41	1	1	41	X							X								2	
40	1	2	40	X							X	X							3	
39	2	6	39	X	X						X	X	X	X	X	X			8	
38	5	5	38	X	X	X	X	X			X	X	X	X	X				10	
37	3	4	37	X	X	X					X	X	X	X					7	
36	5	2	36	X	X	X	X	X			X	X							7	
35	4	3	35	X	X	X	X				X	X	X						7	
34	2	0	34	X	X						X	X							2	
33	3	3	33	X	X	X					X	X	X						6	
32	3	1	32	X	X	X					X								4	
31	3	2	31	X	X	X					X	X							5	
30	3	1	30	X	X	X					X								4	
29	0	2	29								X	X							2	
28	1	2	28	X							X	X							3	
27	1	1	27	X							X								2	
26	2	0	26	X	X						X	X							2	
25	4	1	25	X	X	X	X				X								5	
24	0	0	24																0	
23	3	0	23	X	X	X													3	
22	0	0	22																0	
21	0	0	21																0	
20	0	0	20																0	
19	0	0	19																0	
18	0	0	18																0	
17	0	0	17																0	
16	0	0	16																0	
15	0	0	15																0	
				<b>GRAND TOTALS</b>																<b>100</b>

<b>Location:</b>	Gunnerson Street
<b>Between:</b>	Ulmer Street - Lakeshore Drive
<b>Weather:</b>	Clear
<b>Date:</b>	10/13/15
<b>Time From:</b>	1:45
<b>Time To:</b>	2:50
<b>Existing Speed Limit:</b>	<u>40</u> M. P. H.

<b>% Over Pace:</b>	23%
<b>% In Pace:</b>	60%
<b>% Under Pace:</b>	17%
<b>Average Speed:</b>	36 M.P.H.
<b>Pace Speed:</b>	30 - 39 M.P.H.
<b>15th Percentile / Critical Speed:</b>	27 MPH
<b>50th Percentile / Critical Speed:</b>	35 MPH
<b>85th Percentile / Critical Speed:</b>	41 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
PO Box 1178  
Corona, CA 92880  
T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	0	0	55																			0
54	0	0	54																			0
53	0	0	53																			0
52	0	0	52																			0
51	0	0	51																			0
50	0	0	50																			0
49	0	0	49																			0
48	0	0	48																			0
47	0	0	47																			0
46	0	0	46																			0
45	0	0	45																			0
44	0	0	44																			0
43	0	0	43																			0
42	0	0	42																			0
41	0	0	41																			0
40	0	1	40																		X	1
39	0	0	39																			0
38	0	1	38																		X	1
37	1	0	37	X																		1
36	1	1	36	X																	X	2
35	4	0	35	X	X	X	X															4
34	2	3	34	X	X																X	5
33	3	4	33	X	X	X															X	7
32	1	5	32	X																	X	6
31	5	5	31	X	X	X	X	X													X	10
30	8	3	30	X	X	X	X	X	X	X											X	11
29	8	7	29	X	X	X	X	X	X	X	X										X	15
28	4	7	28	X	X	X	X														X	11
27	6	3	27	X	X	X	X	X													X	9
26	4	4	26	X	X	X	X														X	8
25	2	0	25	X	X																X	2
24	0	2	24																		X	2
23	1	1	23	X																	X	2
22	0	1	22																		X	1
21	0	2	21																		X	2
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Heald Avenue  
 Between: Chaney Street - Main Street  
 Weather: Clear  
 Date: 10/14/15  
 Time From: 12:50  
 Time To: 1:40  
 Existing Speed Limit: 25 M. P. H.

% Over Pace:	5%
% In Pace:	86%
% Under Pace:	9%
Average Speed:	30 M.P.H.
Pace Speed:	26 - 35 M.P.H.
<b>15th Percentile / Critical Speed: 25 MPH</b>	
<b>50th Percentile / Critical Speed: 28 MPH</b>	
<b>85th Percentile / Critical Speed: 32 MPH</b>	

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

### City of Lake Elsinore Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.	
				Northbound								Southbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	2	54														X	X			2
53	1	1	53	X													X				2
52	1	2	52	X													X	X			3
51	2	3	51	X	X												X	X	X		5
50	2	2	50	X	X												X	X			4
49	2	7	49	X	X												X	X	X	X	9
48	3	4	48	X	X	X											X	X	X	X	7
47	4	7	47	X	X	X	X										X	X	X	X	11
46	3	3	46	X	X	X											X	X	X		6
45	7	5	45	X	X	X	X	X	X								X	X	X	X	12
44	4	4	44	X	X	X	X										X	X	X		8
43	6	2	43	X	X	X	X	X	X								X	X			8
42	3	2	42	X	X	X											X	X			5
41	4	2	41	X	X	X	X										X	X			6
40	3	1	40	X	X	X											X				4
39	3	1	39	X	X	X											X				4
38	1	0	38	X																	1
37	0	1	37														X				1
36	0	1	36														X				1
35	0	0	35																		0
34	0	0	34																		0
33	0	0	33																		0
32	0	0	32																		0
31	0	0	31																		0
30	1	0	30	X																	1
29	0	0	29																		0
28	0	0	28																		0
27	0	0	27																		0
26	0	0	26																		0
25	0	0	25																		0
24	0	0	24																		0
23	0	0	23																		0
22	0	0	22																		0
21	0	0	21																		0
20	0	0	20																		0
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

**Location:** Lake Street  
**Between:** Mountain Street - Lakeshore Drive  
**Weather:** Clear  
**Date:** 10/13/15  
**Time From:** 10:15  
**Time To:** 10:40  
**Existing Speed Limit:** 45 M. P. H.

**% Over Pace:** \_\_\_\_\_ 12%  
**% In Pace:** \_\_\_\_\_ 76%  
**% Under Pace:** \_\_\_\_\_ 12%  
**Average Speed:** \_\_\_\_\_ 45 M.P.H.  
**Pace Speed:** \_\_\_\_\_ 41 - 50 M.P.H.

<b>15th Percentile / Critical Speed:</b>	<b>40 MPH</b>
<b>50th Percentile / Critical Speed:</b>	<b>44 MPH</b>
<b>85th Percentile / Critical Speed:</b>	<b>49 MPH</b>

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	1	0	55	X																		1
54	0	0	54																			0
53	0	1	53								X											1
52	0	0	52																			0
51	2	1	51	X	X						X											3
50	1	2	50	X							X	X										3
49	0	2	49								X	X										2
48	5	2	48	X	X	X	X	X			X	X										7
47	6	6	47	X	X	X	X	X	X		X	X	X	X	X							12
46	3	7	46	X	X	X					X	X	X	X	X	X						10
45	3	3	45	X	X	X					X	X	X									6
44	5	4	44	X	X	X	X	X			X	X	X									9
43	4	4	43	X	X	X	X				X	X	X									8
42	4	4	42	X	X	X	X				X	X	X									8
41	1	5	41	X							X	X	X	X								6
40	6	1	40	X	X	X	X	X	X		X											7
39	3	1	39	X	X	X					X											4
38	2	2	38	X	X						X	X										4
37	1	1	37	X							X											2
36	1	1	36	X							X											2
35	1	1	35	X							X											2
34	0	1	34								X											1
33	0	1	33								X											1
32	1	0	32	X																		1
31	0	0	31																			0
30	0	0	30																			0
29	0	0	29																			0
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Lakeshore Drive  
 Between: Grand Avenue - Terra Cotta Road  
 Weather: Clear  
 Date: 10/13/15  
 Time From: 9:40  
 Time To: 10:10  
 Existing Speed Limit: 45 M. P. H.

% Over Pace: \_\_\_\_\_ 10%  
 % In Pace: \_\_\_\_\_ 77%  
 % Under Pace: \_\_\_\_\_ 13%  
 Average Speed: \_\_\_\_\_ 44 M.P.H.  
 Pace Speed: \_\_\_\_\_ 39 - 48 M.P.H.

15th Percentile / Critical Speed:	38 MPH
50th Percentile / Critical Speed:	43 MPH
85th Percentile / Critical Speed:	47 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267





**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.		
				Eastbound								Westbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	0	0	55																			0
54	0	0	54																			0
53	2	0	53	X	X																	2
52	0	2	52								X	X										2
51	3	0	51	X	X	X																3
50	0	3	50								X	X	X									3
49	4	3	49	X	X	X	X				X	X	X									7
48	2	3	48	X	X						X	X	X									5
47	2	1	47	X	X						X											3
46	5	2	46	X	X	X	X	X			X	X										7
45	5	4	45	X	X	X	X	X			X	X	X	X								9
44	2	4	44	X	X						X	X	X									6
43	9	6	43	X	X	X	X	X	X	X	X	X	X	X	X							15
42	1	2	42	X	X						X	X										3
41	5	4	41	X	X	X	X	X			X	X	X									9
40	3	5	40	X	X	X					X	X	X	X								8
39	4	3	39	X	X	X	X				X	X	X									7
38	1	2	38	X							X	X										3
37	0	2	37								X	X										2
36	0	1	36								X											1
35	2	1	35	X	X						X											3
34	0	1	34								X											1
33	0	0	33																			0
32	0	0	32																			0
31	0	1	31								X											1
30	0	0	30																			0
29	0	0	29																			0
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

Location: Lakeshore Drive  
 Between: Cowell Street - Chaney Street  
 Weather: Clear  
 Date: 10/15/15  
 Time From: 1:35  
 Time To: 2:00  
 Existing Speed Limit: 40 M. P. H.

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 % Over Pace: \_\_\_\_\_ 10%  
 % In Pace: \_\_\_\_\_ 72%  
 % Under Pace: \_\_\_\_\_ 18%  
 Average Speed: \_\_\_\_\_ 44 M.P.H.  
 Pace Speed: \_\_\_\_\_ 40 - 49 M.P.H.

15th Percentile / Critical Speed:	38 MPH
50th Percentile / Critical Speed:	42 MPH
85th Percentile / Critical Speed:	48 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed		TOT.
				Eastbound	Westbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	1	49		X	1
48	0	1	48		X	1
47	0	0	47			0
46	1	1	46	X	X	2
45	3	0	45	X X X		3
44	3	0	44	X X X		3
43	1	3	43	X	X X X	4
42	2	3	42	X X	X X X	5
41	5	4	41	X X X X X	X X X X	9
40	4	3	40	X X X X	X X X	7
39	9	4	39	X X X X X X X X X	X X X X	13
38	5	3	38	X X X X X	X X X	8
37	3	5	37	X X X	X X X X X	8
36	4	4	36	X X X X	X X X X	8
35	2	2	35	X X	X X	4
34	3	5	34	X X X	X X X X X	8
33	2	2	33	X X	X X	4
32	1	4	32	X	X X X X	5
31	1	2	31	X	X X	3
30	0	0	30			0
29	1	1	29	X	X	2
28	0	2	28		X X	2
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Lakeshore Drive  
 Between: Chaney Street - Graham Avenue  
 Weather: Clear  
 Date: 10/14/15  
 Time From: 10:05  
 Time To: 10:35  
 Existing Speed Limit: 40 M. P. H.

% Over Pace:	10%
% In Pace:	74%
% Under Pace:	16%
Average Speed:	38 M.P.H.
Pace Speed:	34 - 43 M.P.H.
15th Percentile / Critical Speed:	32 MPH
50th Percentile / Critical Speed:	37 MPH
85th Percentile / Critical Speed:	42 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed		TOT.
				Eastbound	Westbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	1	57		X	1
56	0	0	56			0
55	1	1	55	X	X	2
54	1	2	54	X	X X	3
53	0	1	53		X	1
52	0	1	52		X	1
51	1	7	51	X	X X X X X X X	8
50	2	3	50	X X	X X X	5
49	1	7	49	X	X X X X X X X	8
48	1	3	48	X	X X X	4
47	6	2	47	X X X X X X X	X X	8
46	7	7	46	X X X X X X X X	X X X X X X X X	14
45	3	5	45	X X X	X X X X X	8
44	4	3	44	X X X X	X X X	7
43	5	3	43	X X X X X	X X X	8
42	4	2	42	X X X X	X X	6
41	4	0	41	X X X X		4
40	3	0	40	X X X		3
39	0	0	39			0
38	2	1	38	X X	X	3
37	1	1	37	X	X	2
36	2	0	36	X X		2
35	1	0	35	X		1
34	1	0	34	X		1
33	0	0	33			0
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Lakeshore Drive  
 Between: Main Street - Lucerne Street  
 Weather: Clear  
 Date: 10/15/15  
 Time From: 12:50  
 Time To: 1:25  
 Existing Speed Limit: 40 M. P. H.

% Over Pace: \_\_\_\_\_ 8%  
 % In Pace: \_\_\_\_\_ 76%  
 % Under Pace: \_\_\_\_\_ 16%  
 Average Speed: \_\_\_\_\_ 46 M.P.H.  
 Pace Speed: \_\_\_\_\_ 42 - 51 M.P.H.

15th Percentile / Critical Speed:	40 MPH
50th Percentile / Critical Speed:	45 MPH
85th Percentile / Critical Speed:	50 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed		TOT.
				Eastbound	Westbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	1	57		X	1
56	0	1	56		X	1
55	0	2	55		X X	2
54	0	2	54		X X	2
53	0	3	53		X X X	3
52	1	2	52	X	X X	3
51	2	3	51	X X	X X X	5
50	0	3	50		X X X	3
49	0	3	49		X X X	3
48	4	5	48	X X X X	X X X X X	9
47	4	4	47	X X X X	X X X X	8
46	4	5	46	X X X X	X X X X X	9
45	3	4	45	X X X	X X X X	7
44	4	2	44	X X X X	X X	6
43	7	1	43	X X X X X X X X	X	8
42	3	3	42	X X X	X X X	6
41	4	1	41	X X X X	X	5
40	4	1	40	X X X X	X	5
39	1	1	39	X	X	2
38	5	1	38	X X X X X	X	6
37	2	0	37	X X		2
36	1	0	36	X		1
35	1	1	35	X	X	2
34	0	0	34			0
33	0	1	33		X	1
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Lakeshore Drive  
 Between: Lucerne Street - Diamond Drive  
 Weather: Clear  
 Date: 10/15/15  
 Time From: 11:55  
 Time To: 12:35  
 Existing Speed Limit: 45 M. P. H.

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% Over Pace: \_\_\_\_\_ 20%  
 % In Pace: \_\_\_\_\_ 66%  
 % Under Pace: \_\_\_\_\_ 14%  
 Average Speed: \_\_\_\_\_ 45 M.P.H.  
 Pace Speed: \_\_\_\_\_ 40 - 49 M.P.H.

15th Percentile / Critical Speed:	39 MPH
50th Percentile / Critical Speed:	44 MPH
85th Percentile / Critical Speed:	50 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

## City of Lake Elsinore Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.	
				Eastbound								Westbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	0	54																		0
53	0	0	53																		0
52	0	0	52																		0
51	0	0	51																		0
50	0	0	50																		0
49	0	0	49																		0
48	0	0	48																		0
47	0	0	47																		0
46	0	0	46																		0
45	0	0	45																		0
44	0	0	44																		0
43	0	0	43																		0
42	0	0	42																		0
41	0	2	41																	X X	2
40	1	1	40	X																X	2
39	0	3	39																	X X X	3
38	3	0	38	X X X																	3
37	3	1	37	X X X																X	4
36	2	5	36	X X																X X X X X	7
35	1	5	35	X																X X X X X	6
34	5	3	34	X X X X X																X X X	8
33	5	2	33	X X X X X																X X	7
32	8	3	32	X X X X X X X X X																X X X	11
31	4	6	31	X X X X																X X X X X X	10
30	4	4	30	X X X X																X X X X	8
29	4	4	29	X X X X																X X X X	8
28	1	5	28	X																X X X X X	6
27	4	2	27	X X X X																X X	6
26	1	2	26	X																X X	3
25	1	0	25	X																	1
24	1	1	24	X																X	2
23	1	0	23	X																	1
22	0	0	22																		0
21	1	0	21	X																	1
20	0	1	20																	X	1
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

**Location:** Limited Drive  
**Between:** Lakeshore Drive - Main Street  
**Weather:** Clear  
**Date:** 10/14/15  
**Time From:** 2:20  
**Time To:** 3:15  
**Existing Speed Limit:** 35 M. P. H.

<b>% Over Pace:</b>	14%
<b>% In Pace:</b>	77%
<b>% Under Pace:</b>	9%
<b>Average Speed:</b>	32 M.P.H.
<b>Pace Speed:</b>	27 - 36 M.P.H.
<b>15th Percentile / Critical Speed:</b>	<b>27 MPH</b>
<b>50th Percentile / Critical Speed:</b>	<b>31 MPH</b>
<b>85th Percentile / Critical Speed:</b>	<b>36 MPH</b>

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267



## City of Lake Elsinore Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed		TOT.
				Northbound	Southbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	1	49		X	1
48	0	1	48		X	1
47	1	2	47	X	X X	3
46	4	0	46	X X X X		4
45	1	0	45	X		1
44	0	2	44		X X	2
43	0	1	43		X	1
42	0	1	42		X	1
41	1	3	41	X	X X X	4
40	1	7	40	X	X X X X X X X	8
39	1	1	39	X	X	2
38	8	3	38	X X X X X X X X	X X X	11
37	4	8	37	X X X X	X X X X X X X X	12
36	2	4	36	X X	X X X X	6
35	6	4	35	X X X X X X X	X X X X	10
34	6	1	34	X X X X X X X	X	7
33	6	3	33	X X X X X X X	X X X	9
32	1	2	32	X	X X	3
31	2	0	31	X X		2
30	3	1	30	X X X	X	4
29	1	2	29	X	X X	3
28	0	1	28		X	1
27	1	1	27	X	X	2
26	1	0	26	X		1
25	0	0	25			0
24	0	0	24			0
23	0	1	23		X	1
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

**Location:** Machado Street

**Between:** Lakeshore Drive - Lincoln Street

**Weather:** Clear

**Date:** 10/13/15

**Time From:** 1:00

**Time To:** 1:25

**Existing Speed Limit:** 40 M. P. H.

* % Over Pace:	14%
* % In Pace:	72%
* % Under Pace:	14%
* Average Speed:	37 M.P.H.
* Pace Speed:	32 - 41 M.P.H.
* P A C E	
<b>15th Percentile / Critical Speed:</b>	<b>31 MPH</b>
<b>50th Percentile / Critical Speed:</b>	<b>36 MPH</b>
<b>85th Percentile / Critical Speed:</b>	<b>40 MPH</b>

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed		TOT.
				Northbound	Southbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	2	54		X X	2
53	0	0	53			0
52	0	1	52		X	1
51	1	2	51	X	X X	3
50	1	0	50	X		1
49	3	1	49	X X X	X	4
48	0	3	48		X X X	3
47	2	2	47	X X	X X	4
46	2	1	46	X X	X	3
45	4	2	45	X X X X	X X	6
44	3	3	44	X X X	X X X	6
43	2	3	43	X X	X X X	5
42	0	4	42		X X X X	4
41	5	1	41	X X X X X	X	6
40	3	5	40	X X X	X X X X X	8
39	3	3	39	X X X	X X X	6
38	3	4	38	X X X	X X X X	7
37	4	3	37	X X X X	X X X	7
36	5	5	36	X X X X X	X X X X X	10
35	4	3	35	X X X X	X X X	7
34	3	0	34	X X X		3
33	2	2	33	X X	X X	4
32	0	0	32			0
31	0	0	31			0
30	0	0	30			0
29	0	0	29			0
28	0	0	28			0
27	0	0	27			0
26	0	0	26			0
25	0	0	25			0
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Machado Street  
 Between: Lincoln Street - Alvarado Street  
 Weather: Clear  
 Date: 10/13/15  
 Time From: 12:25  
 Time To: 12:55  
 Existing Speed Limit: 40 M. P. H.

% Over Pace:	27%
% In Pace:	66%
% Under Pace:	7%
Average Speed:	41 M.P.H.
Pace Speed:	35 - 44 M.P.H.
15th Percentile / Critical Speed:	35 MPH
50th Percentile / Critical Speed:	39 MPH
85th Percentile / Critical Speed:	46 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed		TOT.
				Northbound	Southbound	
65	0	0	65			0
64	0	0	64			0
63	0	0	63			0
62	0	0	62			0
61	0	0	61			0
60	0	0	60			0
59	0	0	59			0
58	0	0	58			0
57	0	0	57			0
56	0	0	56			0
55	0	0	55			0
54	0	0	54			0
53	0	0	53			0
52	0	0	52			0
51	0	0	51			0
50	0	0	50			0
49	0	0	49			0
48	0	0	48			0
47	0	0	47			0
46	0	0	46			0
45	1	0	45	X		1
44	0	2	44		X X	2
43	1	2	43	X	X X	3
42	0	1	42		X	1
41	1	2	41	X	X X	3
40	4	1	40	X X X X	X	5
39	3	2	39	X X X	X X	5
38	2	7	38	X X	X X X X X X X	9
37	7	2	37	X X X X X X X X	X X	9
36	3	4	36	X X X	X X X X	7
35	2	1	35	X X	X	3
34	6	2	34	X X X X X X X	X X	8
33	7	7	33	X X X X X X X X	X X X X X X X X	14
32	4	3	32	X X X X	X X X	7
31	4	5	31	X X X X	X X X X X	9
30	4	3	30	X X X X	X X X	7
29	0	1	29		X	1
28	0	3	28		X X X	3
27	0	0	27			0
26	1	1	26	X	X	2
25	0	1	25		X	1
24	0	0	24			0
23	0	0	23			0
22	0	0	22			0
21	0	0	21			0
20	0	0	20			0
19	0	0	19			0
18	0	0	18			0
17	0	0	17			0
16	0	0	16			0
15	0	0	15			0
				<b>GRAND TOTALS</b>		<b>100</b>

Location: Main Street  
 Between: Camino Del Norte - Heald Street  
 Weather: Clear  
 Date: 10/14/15  
 Time From: 10:35  
 Time To: 11:10  
 Existing Speed Limit: 30 M. P. H.

% Over Pace:	15%
% In Pace:	78%
% Under Pace:	7%
Average Speed:	35 M.P.H.
Pace Speed:	30 - 39 M.P.H.
15th Percentile / Critical Speed:	30 MPH
50th Percentile / Critical Speed:	33 MPH
85th Percentile / Critical Speed:	39 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

### Counts Unlimited, Inc.

City of Lake Elsinore  
 Nichols Road  
 B/ Lake Street - Terra Cotta Road  
 24 Hour Directional Speed Survey

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email.counts@countsunlimited.com

LKE034A  
 Site Code: 067-15553

Eastbound, Westbound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/03/15	0	0	0	0	0	3	9	7	6	2	2	0	0	0	29
01:00	0	0	0	0	0	1	4	4	3	2	2	0	0	0	16
02:00	0	0	0	0	0	0	3	6	4	1	0	0	0	0	14
03:00	0	0	0	0	2	3	6	8	13	2	0	0	0	0	34
04:00	0	0	0	3	5	14	25	20	28	17	0	1	0	0	113
05:00	1	0	0	1	14	19	27	58	37	9	4	1	2	0	173
06:00	6	0	0	3	6	29	64	120	90	29	3	1	0	0	351
07:00	13	0	0	0	3	12	103	215	168	41	6	1	0	0	562
08:00	3	0	0	1	8	11	81	114	79	14	1	1	0	0	313
09:00	3	0	0	6	8	12	60	104	66	17	1	0	0	0	277
10:00	3	0	0	0	9	20	72	119	57	12	2	1	0	0	295
11:00	6	0	0	0	2	18	70	126	68	14	3	1	0	0	308
12 PM	6	0	0	0	5	17	63	117	82	19	3	0	0	0	312
13:00	1	0	0	1	2	15	70	125	108	28	3	2	0	0	355
14:00	15	0	0	0	3	20	112	193	145	28	4	0	0	0	520
15:00	3	0	0	1	4	6	87	205	137	34	0	0	0	0	477
16:00	7	0	4	1	5	41	128	180	97	22	1	0	0	0	486
17:00	8	0	0	1	8	59	166	224	98	12	3	0	0	0	579
18:00	9	0	0	6	34	98	203	117	31	7	1	0	0	0	506
19:00	1	0	0	0	9	29	81	86	20	6	2	0	0	0	234
20:00	1	0	0	0	0	24	66	84	31	8	2	0	0	0	216
21:00	2	0	0	0	2	11	36	40	25	4	0	0	1	0	121
22:00	0	0	0	0	1	4	21	27	11	7	1	0	0	0	72
23:00	0	0	0	0	0	2	7	13	11	3	1	0	0	0	37
<b>Total</b>	<b>88</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>130</b>	<b>468</b>	<b>1564</b>	<b>2312</b>	<b>1415</b>	<b>338</b>	<b>45</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>6400</b>

Daily  
 15th Percentile : 40 MPH  
 50th Percentile : 46 MPH  
 85th Percentile : 53 MPH  
 95th Percentile : 56 MPH

Statistics  
 Mean Speed(Average) : 47 MPH  
 10 MPH Pace Speed : 41-50 MPH  
 Number in Pace : 3876  
 Percent in Pace : 60.6%  
 Number of Vehicles > 55 MPH : 395  
 Percent of Vehicles > 55 MPH : 6.2%

# Counts Unlimited, Inc.

City of Lake Elsinore  
 Nichols Road  
 B/ Terra Cotta Road - Interstate 15  
 24 Hour Directional Speed Survey

PO Box 1178  
 Corona, CA 92878  
 Phone: (951) 268-6268  
 email.counts@countsunlimited.com

LKE034B  
 Site Code: 067-15553

**Eastbound, Westbound**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
11/03/15	0	0	0	0	0	5	8	12	3	1	0	0	0	0	29
01:00	0	0	0	0	1	3	2	7	2	1	0	0	0	0	16
02:00	0	0	0	0	0	1	0	7	4	3	0	0	0	0	15
03:00	0	0	0	0	1	2	8	13	6	1	1	0	0	0	32
04:00	2	0	0	0	5	13	32	27	21	9	3	0	0	0	112
05:00	2	0	0	2	9	18	45	65	27	5	0	2	0	0	175
06:00	3	0	0	0	3	27	96	152	59	15	2	1	0	0	358
07:00	7	0	0	1	1	25	123	233	133	33	6	0	0	0	562
08:00	3	0	0	0	3	16	68	130	77	15	0	0	0	0	312
09:00	5	0	0	2	7	34	73	85	67	11	2	0	0	0	286
10:00	0	1	0	0	5	33	97	112	36	12	2	0	0	0	298
11:00	8	0	0	1	5	23	89	108	58	12	2	0	0	0	306
12 PM	7	0	0	0	1	32	94	123	55	9	2	0	0	0	323
13:00	7	0	0	1	1	31	94	132	70	20	4	1	0	0	361
14:00	9	0	0	1	6	47	154	193	99	15	2	0	0	0	526
15:00	7	0	0	0	3	32	127	178	113	16	2	1	0	0	479
16:00	10	0	0	1	5	42	152	193	65	16	3	1	0	0	488
17:00	13	0	0	0	10	66	227	212	50	4	1	0	0	0	583
18:00	16	0	0	2	10	111	204	136	19	5	2	0	0	0	505
19:00	4	1	0	0	4	52	91	67	13	2	2	0	0	0	236
20:00	4	0	0	0	9	36	83	62	18	6	1	1	0	0	220
21:00	0	0	0	0	7	17	46	32	18	2	0	1	0	0	123
22:00	0	0	0	1	3	12	19	26	9	3	0	0	0	0	73
23:00	2	0	0	0	0	4	10	16	4	0	0	0	0	0	36
<b>Total</b>	<b>109</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>99</b>	<b>682</b>	<b>1942</b>	<b>2321</b>	<b>1026</b>	<b>216</b>	<b>37</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>6454</b>

Daily  
 15th Percentile : 40 MPH  
 50th Percentile : 45 MPH  
 85th Percentile : 51 MPH  
 95th Percentile : 54 MPH

Statistics  
 Mean Speed(Average) : 46 MPH  
 10 MPH Pace Speed : 41-50 MPH  
 Number in Pace : 4263  
 Percent in Pace : 66.1%  
 Number of Vehicles > 55 MPH : 261  
 Percent of Vehicles > 55 MPH : 4.0%

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.	
				Eastbound								Westbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	0	54																		0
53	0	0	53																		0
52	0	0	52																		0
51	0	0	51																		0
50	0	0	50																		0
49	0	0	49																		0
48	0	0	48																		0
47	0	0	47																		0
46	0	0	46																		0
45	0	0	45																		0
44	0	1	44																	X	1
43	0	0	43																		0
42	0	2	42																	X X	2
41	2	1	41	X	X															X	3
40	1	2	40	X																X X	3
39	0	1	39																	X	1
38	1	0	38	X																	1
37	3	4	37	X	X	X														X X X X	7
36	2	4	36	X	X															X X X X	6
35	1	2	35	X																X X	3
34	3	3	34	X	X	X														X X X	6
33	3	4	33	X	X	X														X X X X	7
32	2	1	32	X	X															X	3
31	5	5	31	X	X	X	X	X												X X X X X	10
30	6	1	30	X	X	X	X	X	X											X	7
29	8	8	29	X	X	X	X	X	X	X	X	X	X	X	X					X X X X X X X X X	16
28	2	4	28	X	X															X X X X	6
27	2	2	27	X	X															X X	4
26	4	2	26	X	X	X	X													X X	6
25	3	2	25	X	X	X														X X	5
24	2	1	24	X	X															X	3
23	0	0	23																		0
22	0	0	22																		0
21	0	0	21																		0
20	0	0	20																		0
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

Location: Pottery Street

Between: Chaney Street - Lewis Street

Weather: Clear

Date: 10/8/15

Time From: 11:45

Time To: 1:05

Existing Speed Limit: 30 M. P. H.

% Over Pace:	11%
% In Pace:	71%
% Under Pace:	18%
Average Speed:	32 M.P.H.
Pace Speed:	28 - 37 M.P.H.
15th Percentile / Critical Speed:	26 MPH
50th Percentile / Critical Speed:	30 MPH
85th Percentile / Critical Speed:	36 MPH

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
PO Box 1178  
Corona, CA 92880  
T 951-268-6268 F 951-268-6267



**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.
				Northbound								Southbound								
65	0	0	65																0	
64	0	0	64																0	
63	0	0	63																0	
62	0	0	62																0	
61	0	0	61																0	
60	0	0	60																0	
59	0	0	59																0	
58	0	0	58																0	
57	0	0	57																0	
56	0	0	56																0	
55	0	0	55																0	
54	0	0	54																0	
53	0	0	53																0	
52	0	0	52																0	
51	0	0	51																0	
50	0	0	50																0	
49	0	0	49																0	
48	0	0	48																0	
47	0	0	47																0	
46	0	0	46																0	
45	0	0	45																0	
44	0	0	44																0	
43	0	0	43																0	
42	0	0	42																0	
41	0	0	41																0	
40	0	0	40																0	
39	0	0	39																0	
38	0	0	38																0	
37	2	1	37	X	X					X									3	
36	0	0	36																0	
35	1	1	35	X						X									2	
34	4	2	34	X	X	X	X			X	X								6	
33	0	2	33							X	X								2	
32	2	1	32	X	X					X									3	
31	3	3	31	X	X	X				X	X	X							6	
30	2	6	30	X	X					X	X	X	X	X					8	
29	7	7	29	X	X	X	X	X	X	X	X	X	X	X	X				14	
28	7	2	28	X	X	X	X	X	X	X	X								9	
27	6	3	27	X	X	X	X	X		X	X	X							9	
26	5	6	26	X	X	X	X	X		X	X	X	X	X					11	
25	2	9	25	X	X					X	X	X	X	X	X	X			11	
24	4	5	24	X	X	X	X			X	X	X	X						9	
23	2	2	23	X	X					X	X								4	
22	2	0	22	X	X														2	
21	0	0	21																0	
20	1	0	20	X															1	
19	0	0	19																0	
18	0	0	18																0	
17	0	0	17																0	
16	0	0	16																0	
15	0	0	15																0	
				<b>GRAND TOTALS</b>																<b>100</b>

Location: Spring Street

Between: Sumner Avenue - Graham Avenue

Weather: Clear

Date: 10/8/15

Time From: 3:10

Time To: 3:40

Existing Speed Limit: 25 M. P. H.

% Over Pace:	13%
% In Pace:	84%
% Under Pace:	3%
Average Speed:	28 M.P.H.
Pace Speed:	23 - 32 M.P.H.
15th Percentile / Critical Speed:	23 MPH
50th Percentile / Critical Speed:	27 MPH
85th Percentile / Critical Speed:	31 MPH

Radar Survey Conducted By:  
Counts Unlimited, Inc.  
PO Box 1178  
Corona, CA 92880  
T 951-268-6268 F 951-268-6267

## City of Lake Elsinore Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.	
				Northbound								Southbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	0	54																		0
53	0	0	53																		0
52	0	0	52																		0
51	0	0	51																		0
50	0	0	50																		0
49	0	0	49																		0
48	0	0	48																		0
47	0	0	47																		0
46	0	0	46																		0
45	0	0	45																		0
44	0	0	44																		0
43	0	0	43																		0
42	0	0	42																		0
41	0	0	41																		0
40	0	0	40																		0
39	0	0	39																		0
38	0	0	38																		0
37	1	0	37	X																	1
36	2	1	36	X	X					X											3
35	2	1	35	X	X					X											3
34	1	4	34	X						X	X	X	X								5
33	1	2	33	X						X	X										3
32	1	2	32	X						X	X										3
31	2	2	31	X	X					X	X										4
30	3	5	30	X	X	X				X	X	X	X	X							8
29	8	6	29	X	X	X	X	X	X	X	X	X	X	X	X						14
28	1	3	28	X						X	X	X									4
27	9	6	27	X	X	X	X	X	X	X	X	X	X	X	X						15
26	5	1	26	X	X	X	X	X		X											6
25	2	6	25	X	X					X	X	X	X	X	X						8
24	4	4	24	X	X	X	X			X	X	X									8
23	1	3	23	X						X	X	X									4
22	1	1	22	X						X											2
21	2	0	21	X	X																2
20	2	2	20	X	X					X	X										4
19	1	1	19	X						X											2
18	1	0	18	X																	1
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

**Location:** Spring Street  
**Between:** Graham Avenue - Lakeshore Drive  
**Weather:** Clear  
**Date:** 10/8/15  
**Time From:** 1:40  
**Time To:** 2:20  
**Existing Speed Limit:** 25 M. P. H.

<b>% Over Pace:</b>	15%
<b>% In Pace:</b>	74%
<b>% Under Pace:</b>	11%
<b>Average Speed:</b>	28 M.P.H.
<b>Pace Speed:</b>	23 - 32 M.P.H.
<b>15th Percentile / Critical Speed:</b>	<b>22 MPH</b>
<b>50th Percentile / Critical Speed:</b>	<b>26 MPH</b>
<b>85th Percentile / Critical Speed:</b>	<b>32 MPH</b>

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
 PO Box 1178  
 Corona, CA 92880  
 T 951-268-6268 F 951-268-6267

**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.
				Eastbound								Westbound								
65	0	0	65															0		
64	0	0	64															0		
63	0	0	63															0		
62	0	0	62															0		
61	0	0	61															0		
60	0	0	60															0		
59	0	0	59															0		
58	0	0	58															0		
57	0	0	57															0		
56	0	0	56															0		
55	0	0	55															0		
54	0	0	54															0		
53	0	0	53															0		
52	0	0	52															0		
51	0	0	51															0		
50	0	0	50															0		
49	0	0	49															0		
48	0	0	48															0		
47	1	0	47	X														1		
46	0	0	46															0		
45	1	0	45	X														1		
44	0	0	44															0		
43	0	0	43															0		
42	0	0	42															0		
41	1	0	41	X														1		
40	1	1	40	X					X									2		
39	0	0	39															0		
38	0	0	38															0		
37	1	1	37	X					X									2		
36	3	1	36	X	X	X			X									4		
35	2	2	35	X	X				X	X								4		
34	4	1	34	X	X	X			X									4		
33	3	0	33	X	X	X												3		
32	1	3	32	X					X	X	X							4		
31	1	0	31	X														1		
30	2	0	30	X	X													2		
29	1	1	29	X					X									2		
28	0	0	28															0		
27	0	0	27															0		
26	0	0	26															0		
25	2	0	25	X	X													2		
24	1	0	24	X														1		
23	0	1	23						X									1		
22	0	0	22															0		
21	0	0	21															0		
20	0	1	20						X									1		
19	0	0	19															0		
18	0	0	18															0		
17	0	0	17															0		
16	0	0	16															0		
15	1	0	15	X														1		
<b>GRAND TOTALS</b>																	<b>37</b>			

Location: Strickland Avenue

Between: Chaney Street to Riverside Drive

Weather: Clear

Date: 11/23/15

Time From: 1:15

Time To: 3:20

Existing Speed Limit: 30 M. P. H.

% Over Pace:	14%
% In Pace:	70%
% Under Pace:	16%
Average Speed:	33 M.P.H.
Pace Speed:	28 - 37 M.P.H.
<b>15th Percentile / Critical Speed: 25 MPH</b>	
<b>50th Percentile / Critical Speed: 34 MPH</b>	
<b>85th Percentile / Critical Speed: 37 MPH</b>	

Radar Survey Conducted By:  
**Counts Unlimited, Inc.**  
PO Box 1178  
Corona, CA 92880  
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**City of Lake Elsinore**  
Radar Speed Survey

Speed	N/B	S/B	MPH	Vehicles Surveyed																TOT.		
				Northbound								Southbound									VEH.	
65	0	0	65																		0	
64	0	0	64																			0
63	0	0	63																			0
62	0	0	62																			0
61	0	0	61																			0
60	0	0	60																			0
59	0	0	59																			0
58	0	0	58																			0
57	0	0	57																			0
56	0	0	56																			0
55	0	1	55														X					1
54	0	1	54														X					1
53	1	1	53	X													X					2
52	1	0	52	X																		1
51	0	1	51														X					1
50	0	1	50														X					1
49	2	2	49	X	X												X	X				4
48	2	5	48	X	X												X	X	X	X	X	7
47	1	3	47	X													X	X	X			4
46	3	2	46	X	X	X											X	X				5
45	1	1	45	X													X					2
44	2	1	44	X	X												X					3
43	3	4	43	X	X	X											X	X	X	X		7
42	2	5	42	X	X	X											X	X	X	X	X	7
41	4	5	41	X	X	X	X										X	X	X	X	X	9
40	4	2	40	X	X	X	X										X	X				6
39	2	6	39	X	X												X	X	X	X	X	8
38	3	1	38	X	X	X											X					4
37	5	1	37	X	X	X	X	X									X					6
36	4	2	36	X	X	X	X										X	X				6
35	3	1	35	X	X	X											X					4
34	1	1	34	X													X					2
33	1	3	33	X													X	X	X			4
32	2	0	32	X	X												X					2
31	2	0	31	X	X												X					2
30	0	0	30																			0
29	1	0	29	X																		1
28	0	0	28																			0
27	0	0	27																			0
26	0	0	26																			0
25	0	0	25																			0
24	0	0	24																			0
23	0	0	23																			0
22	0	0	22																			0
21	0	0	21																			0
20	0	0	20																			0
19	0	0	19																			0
18	0	0	18																			0
17	0	0	17																			0
16	0	0	16																			0
15	0	0	15																			0
				<b>GRAND TOTALS</b>																<b>100</b>		

**Location:** Summerhill Drive

**Between:** Corte Serviui - Railroad Canyon Road

**Weather:** Clear

**Date:** 10/15/15

**Time From:** 10:45

**Time To:** 11:05

**Existing Speed Limit:** NP M. P. H.

<b>% Over Pace:</b>	29%
<b>% In Pace:</b>	60%
<b>% Under Pace:</b>	11%
<b>Average Speed:</b>	41 M.P.H.
<b>Pace Speed:</b>	35 - 44 M.P.H.
<b>15th Percentile / Critical Speed:</b>	35 MPH
<b>50th Percentile / Critical Speed:</b>	40 MPH
<b>85th Percentile / Critical Speed:</b>	47 MPH

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**City of Lake Elsinore**  
Radar Speed Survey

Speed	E/B	W/B	MPH	Vehicles Surveyed																TOT.	
				Eastbound								Westbound									VEH.
65	0	0	65																		0
64	0	0	64																		0
63	0	0	63																		0
62	0	0	62																		0
61	0	0	61																		0
60	0	0	60																		0
59	0	0	59																		0
58	0	0	58																		0
57	0	0	57																		0
56	0	0	56																		0
55	0	0	55																		0
54	0	0	54																		0
53	0	0	53																		0
52	0	0	52																		0
51	0	0	51																		0
50	0	0	50																		0
49	0	0	49																		0
48	0	0	48																		0
47	0	0	47																		0
46	0	0	46																		0
45	0	0	45																		0
44	0	0	44																		0
43	0	0	43																		0
42	0	0	42																		0
41	1	0	41	X																	1
40	0	0	40																		0
39	1	0	39	X																	1
38	0	1	38																	X	1
37	2	1	37	X	X															X	3
36	1	3	36	X																X X X	4
35	2	0	35	X	X																2
34	5	1	34	X	X	X	X	X												X	6
33	6	4	33	X	X	X	X	X	X											X X X X	10
32	6	5	32	X	X	X	X	X	X											X X X X X	11
31	4	7	31	X	X	X	X													X X X X X X X	11
30	6	8	30	X	X	X	X	X	X											X X X X X X X X	14
29	5	3	29	X	X	X	X	X												X X X	8
28	3	4	28	X	X	X														X X X X	7
27	1	4	27	X																X X X X	5
26	1	5	26	X																X X X X X	6
25	2	1	25	X	X															X	3
24	2	1	24	X	X															X	3
23	0	1	23																	X	1
22	1	0	22	X																	1
21	0	1	21																	X	1
20	1	0	20	X																	1
19	0	0	19																		0
18	0	0	18																		0
17	0	0	17																		0
16	0	0	16																		0
15	0	0	15																		0
				<b>GRAND TOTALS</b>																<b>100</b>	

**Location:** Sumner Avenue

**Between:** Main Street - Chaney Street

**Weather:** Clear

**Date:** 10/14/15

**Time From:** 1:40

**Time To:** 2:15

**Existing Speed Limit:** 30 M. P. H.

<b>% Over Pace:</b>	12%
<b>% In Pace:</b>	81%
<b>% Under Pace:</b>	7%
<b>Average Speed:</b>	30 M.P.H.
<b>Pace Speed:</b>	25 - 34 M.P.H.
<b>15th Percentile / Critical Speed:</b>	25 MPH
<b>50th Percentile / Critical Speed:</b>	30 MPH
<b>85th Percentile / Critical Speed:</b>	33 MPH

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