



**COUNTY OF SHASTA**  
**DEPARTMENT OF PUBLIC WORKS**

1855 PLACER STREET, REDDING, CA 96001-1759  
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**Engineering and Traffic Survey**  
**of**  
**Shady Lane**

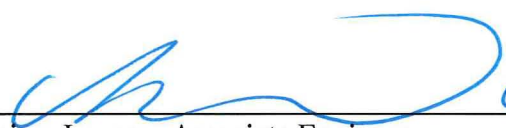
Survey Date: 4/24/2018  
7-year Expiration: 4/24/2025

For the determination of safe and reasonable speed zoning as required by Sections 22358 and 40802 of the California Vehicle Code (CVC), as defined by Section 627 of the CVC and in accordance with Section 2B.13 of the California Manual on Uniform Traffic Control Devices, this Engineering and Traffic Survey (E&TS) was initiated to verify or modify speed zones on Shady Lane.

Based on the results of this E&TS and adoption of Ordinance Number 408-213 by the Shasta County Board of Supervisors, the following speed zone on Shady Lane is established:

30 miles per hour (mph) on Shady Lane (2H050) from Anderson city limits to 0.47 miles South of Anderson city limits.

In accordance with California Vehicle Code and Ordinance 408-213, appropriate signs giving notice of the above speed zoning shall be placed and the stated speed limit(s) shall be effective upon the placement of such signs.

  
Moises Lozano, Associate Engineer  
Road Design and Administration

05.04.2018



  
Patrick J. Minturn  
Public Works Director



**COUNTY OF SHASTA**  
**DEPARTMENT OF PUBLIC WORKS**  
ENGINEERING & TRAFFIC SURVEY

**Shady Lane**

**SPEED ZONE BOUNDARY**

Anderson City Limit to 0.47 mi. S/o Anderson City Limit

**ROADSIDE CONDITIONS**

Land Use District	Rural
Pedestrian Use	Few
Percent Sidewalks	0%
Bike Lane or Bike Route	No
Driveways Present	Yes

**ROADWAY GEOMETRY**

Roadway Segment Length, Ft	3025
Number of Thru Lanes	2
Width, Ft	20
Median Type	Unstriped Centerline
Horizontal Alignment	Straight
Vertical Alignment	Flat

**TRAFFIC CONDITIONS**

Average Daily Traffic (ADT)	280
Collisions in the Last 5 Years	0
Collision Rate, per Million Vehicles	None
County-Wide Average Rate, Per/MV	1.21
10 mph Pace Range, mph	16.7 – 26.7
Vehicles Within Pace, %	68.1
Median Speed (50%), mph	23.7
Existing Posted Speed, mph	None
Prevailing Speed (85%), mph	29.5
Nearest 5-mph Increment, mph	30

**5-MPH REDUCTION OPTION**  
per CA-MUTCD 2B. 13 Option 1

Conditions that justify a 5-mph reduction below the nearest 5-mph increment of the prevailing speed:

Traffic Study	
Safety of Pedestrians	
Safety of Cyclists	
Residential Density	Density not met
5-mph Reduction Recommended	none

**ROUNDING DOWN OPTION**  
PER CVC 21400 (b)

Where the nearest 5 mph increment would require rounding up from the prevailing speed, the posted speed limit may be rounded down from the prevailing speed, with no further reduction for any reason.

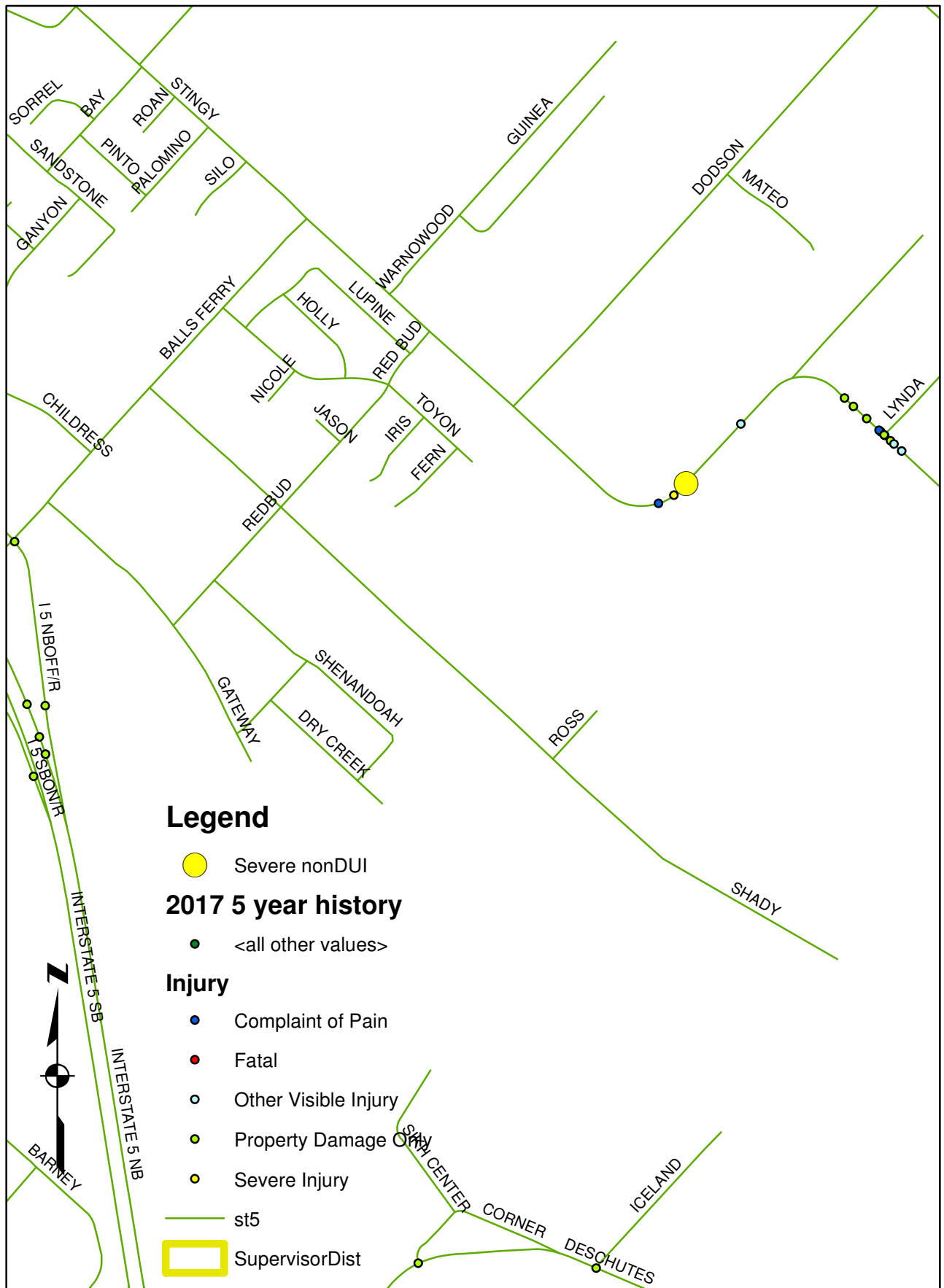
Rounding Down Recommended	
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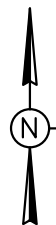
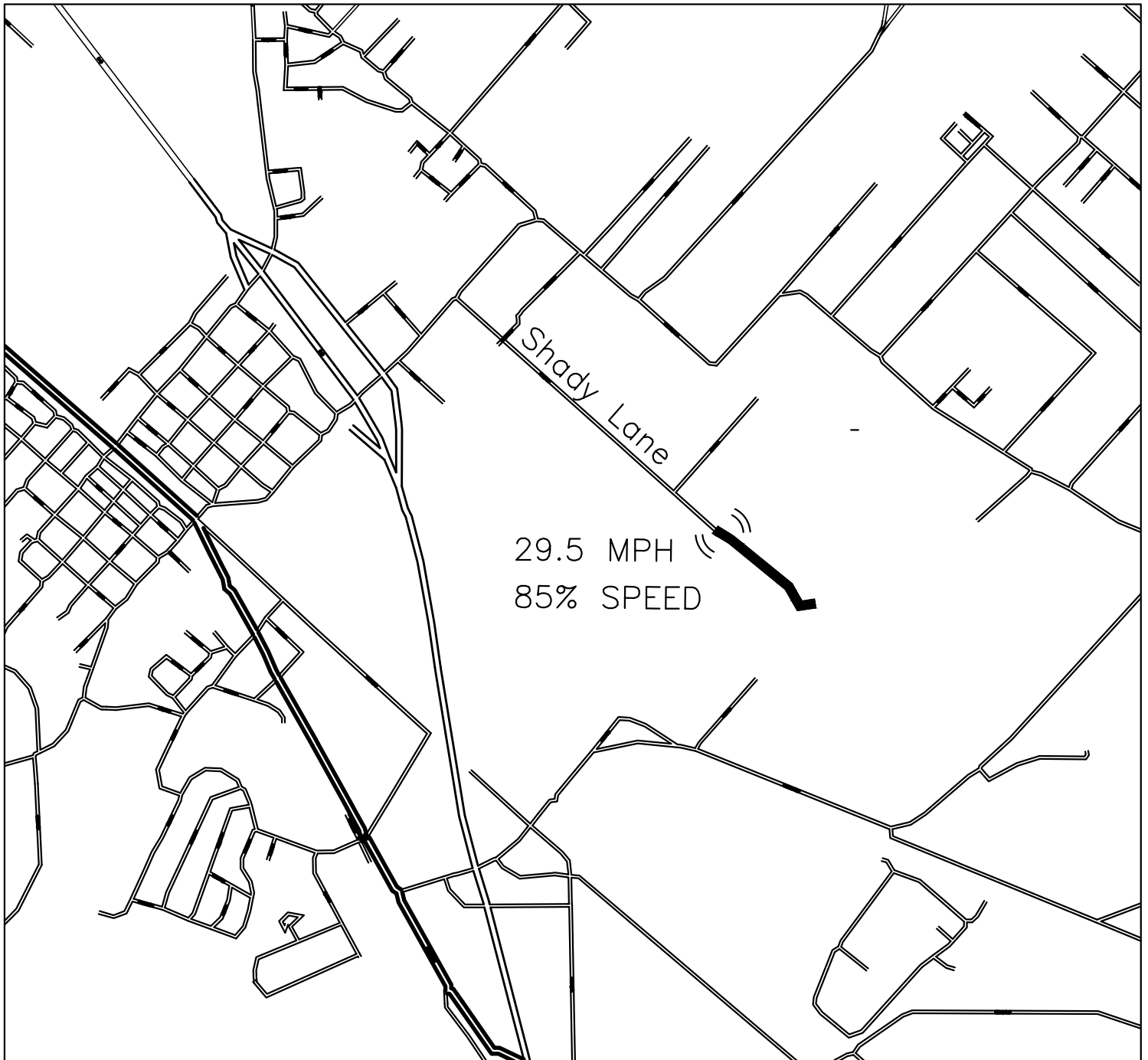
**RECOMMENDATION**

POST SPEED LIMIT	<b>30</b>
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24 Hour Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
1:00 PM	14	0	1	9	2	1	1	0	0	0	0	0	0	0	25.1
2:00 PM	22	0	4	11	5	1	1	0	0	0	0	0	0	0	23.4
3:00 PM	23	1	4	11	4	3	0	0	0	0	0	0	0	0	23.7
4:00 PM	28	1	6	12	6	3	0	0	0	0	0	0	0	0	23.6
5:00 PM	21	0	3	5	8	4	1	0	0	0	0	0	0	0	26.7
6:00 PM	22	0	7	7	6	2	0	0	0	0	0	0	0	0	23.6
7:00 PM	11	4	1	2	3	1	0	0	0	0	0	0	0	0	20.7
8:00 PM	9	0	5	2	1	1	0	0	0	0	0	0	0	0	21.8
9:00 PM	12	1	1	4	3	2	1	0	0	0	0	0	0	0	24.6
10:00 PM	2	0	0	1	1	0	0	0	0	0	0	0	0	0	25.7
11:00 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	23.8
4/25/2018															
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	28.4
2:00 AM	2	0	2	0	0	0	0	0	0	0	0	0	0	0	17.1
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	2	0	0	0	1	1	0	0	0	0	0	0	0	0	28.9
5:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	26.1
6:00 AM	5	0	1	1	3	0	0	0	0	0	0	0	0	0	24.4
7:00 AM	12	1	2	6	3	0	0	0	0	0	0	0	0	0	21.9
8:00 AM	12	1	5	4	1	0	1	0	0	0	0	0	0	0	21.0
9:00 AM	16	0	3	7	5	1	0	0	0	0	0	0	0	0	23.6
Total	216	9	45	83	54	20	5	0	0	0	0	0	0	0	23.7
%		4.2	20.8	38.4	25.0	9.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)		23.7 mph		Minimum 12.1 mph		Maximum 37.3 mph		Pace Range 16.7 - 26.7 mph 147 vehicles (68.1 %)							
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		17.1	18.0	23.7	29.5	30.7									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		36.6 % (79)	2.3 % (5)	0 % (0)	0 % (0)	0 % (0)	0 % (0)								





Limits of Survey 

Location of  
Speed Count 

SHASTA COUNTY DEPARTMENT OF PUBLIC WORKS

Shady Lane  
Engineering & Traffic Survey  
Anderson C/L to 0.47 mi south

Scale: **No Scale**

DATE: **05.01.2018**

DRAWN BY: **Moises Lozano**