

Siskiyou County
DEPARTMENT OF PUBLIC WORKS

1312 FAIRLANE ROAD, SUITE 3
YREKA, CALIFORNIA 96097
PHONE: (530) 842-8250
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Thomas Deany
Director

TRAFFIC STUDY

Jurisdiction: Siskiyou County

6 December 2022

Road Name: 99-97 Cutoff Road, (A12,6K01)

Road Segment Studied: PM 6.20- 8.70

Type of Study: Speed Limit (29-30 Nov 2022)

Existing Signs: Posted 55 mph Speed Limit

Study Results:


1. Speed Survey (85th Percentile): 45 MPH
2. Traffic Accident Summary: A total of eight (8) Accident Reports were reviewed for the period, June 2019-April 2021. Accident one (1) and two (2) occurred within the proposed forty- five (45) mile per hour speed limit zone adjacent to the Mayten Store entrance; the cause was speed, unsafe turn movement and alcohol. Accidents three (3), four (4), and five (5) occurred between 0.8 mile and 1.64 miles West of the proposed speed limit change. Accident three (3) resulted from an unsafe turning movement, Accident four (4) was a result of unsafe speed, and Accident five (5) an unsafe turning movement. Accidents six (6), seven (7), and eight (8) occurred at the intersection of 6K01 and Big Springs Road which are within the limits of the proposed speed limit change and were a result of unsafe speed and unsafe turning movements.

Summary: This section of roadway has been evaluated by the undersigned. There have been significant changes in land use in the Big Springs Area, and development in the vicinity of Big Springs Elementary School with the expansion of the Mayten Store which now sells agricultural supplies. This has resulted in periods of congestion in the area in question which is further compounded by the fact that there are nine (9) road connections within a one-quarter (1/4) mile on this section of County Road A12.

Recommendations: The results of this Speed Study indicate that a speed limit of 45 mph is applicable for this section of roadway. It is recommended that the forty- five (45) mile per hour speed limit commence eastbound at Post Mile 7.27 and westbound at Post Mile 8.52. This action will reduce the speed limit at the Big Springs Road Intersection by ten (10) miles per hour and provide a safer transition to the School zone twenty-five mile an hour speed limit when children are present.

This report will allow utilization of radar for enforcement of vehicle speed limits in accordance with California Vehicle Code Section 40802 until January 2027.




Terry E. Smith, RCE 25056

ENGINEERING & TRAFFIC SURVEY

COUNTY ROAD A 12 (6K01)

DESCRIPTION

MPH

CRITICAL SPEED

45.1 (85%)

PACE SPEED

27 - 36

NUMBER IN PACE

1505

AVERAGE SPEED

35.1

TOTAL VEHICLES
OBSERVED

3478

LEGEND

A- P.M. 6:20 P2-1.45 MPH SPEED LIMIT AHEAD

B- P.M. 6:40 R2-1.45 MPH SPEED LIMIT

C- P.M. 8:52 R2-1.45 MPH SPEED LIMIT

D- P.M. 8:70 R2-1.45 MPH SPEED LIMIT AHEAD

X- POST MILES (P.M.) ON A-12 (6K01)

Legend

ROAD

Spirit

Big Springs Union Elementary School

99-97 Cutoff

99-97 Cutoff

A12



4000 ft

Default Report Title
Use Preferences to Define Titles

Site Code: A12 -MAYTEN STORE

Station ID:

Location 1: A12 EAST ENTRANCE
Location 2:
Location 3:
Location 4:

Combined Lanes 11/29/2022 to 11/30/2022

99/97 CUTOFF ROAD (A12-6K01)

Pace Speed - MPH

Classes Excluded From Pace: None

Speed	Number	Percent
27 - 36	1,505	43.272%

Percentile Speeds

Percentile	5th	10th	15th	20th	25th	30th	35th	40th	45th	50th	55th	60th	65th	70th	75th	80th	85th	90th	95th	100th
Speed - MPH	19.9	24.3	26.1	27.5	28.8	30.1	31.2	32.2	33.3	34.3	35.5	36.6	38	39.4	41	42.9	45.1	48.4	53.1	70

Vehicles Traveling Greater Than 50.0 MPH

Total Volume	3,478
Total Greater Than 50.0	277
Percent Greater Than 50.0	8.0%

ENGINEERING TRAFFIC
SURVEY
SISKIYOU COUNTY
DEPARTMENT OF PUBLIC
WORKS
1312 FAIRLANE ROAD
YREKA, CA 96097
Latitude: 41.624104
Longitude: -122.405179

Default Report Title
Use Preferences to Define Titles

Site Code: A12 -MAYTEN STORE

Station ID:

ENGINEERING TRAFFIC
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1312 FAIRLANE ROAD
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Location 1: A12 EAST ENTRANCE

Location 2:

Location 3:

Location 4:

Mean, Median, and Mode Averages

Mean: 35.1
Median (50th %): 34.3
Mode: 32.8

Classification Statistics

Unclassed

3478

100.0%

Axle Statistics

# Axles	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Count	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avg. WB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Axles Per Vehicle: 0.0000

Site Code: A12 -MAYTEN
STORE

Comment 1:

Station ID:
Location 1: A12 EAST
ENTRANCE

Comment 2:

Comment 3:

Location 2:

Comment 4:

Location 3:

Latitude: 41.624104

Location 4:

Volume Sorted by Speed for 11/29/2022 to 11/30/2022

Longitude: -122.405179

Combined

Speed (MPH)	Volume
8	23
9	21
10	9
11	9
12	5
13	4
14	5
15	4
16	6
17	7
18	14
19	13
20	22
21	30
22	46
23	35
24	65
25	82
26	123
27	104
28	164
29	111
30	138
31	164
32	179
33	153
34	180
35	144
36	168
37	100
38	147
39	117
40	111
41	106
42	94
43	71
44	92
45	73
46	54
47	53
48	45
49	39
50	53
51	33
52	27
53	28
54	35
55	27
56	23
57	7
58	12