



File: 600.28 022  
Compiled by: Patrick Day  
Date: September, 2020

## SPEED ZONE STUDY SUMMARY

- I. Road: McCourtney Road  
From: 1.3 Miles South of Indian Springs Road  
To: 2.2 Miles South of Indian Springs Road
- II. Reason for Study: Five-Year Update
- III. Roadway Characteristics:
- a. Width - 21-22-feet wide
  - b. Surface - Asphalt concrete
  - c. Striping - Double yellow centerline with edge line
  - d. ADT - 1,658
  - e. Length - 0.9 miles
- IV. Roadside Characteristics: Rural ranch properties.
- V. Existing Speed Zone: 35 miles per hour
- VI. Prevailing Speed:
- a. 10 miles per hour pace - 37-48 miles per hour
  - b. Average speed - 42 miles per hour
  - c. 85th percentile - 47 miles per hour
- VII. Accident History: There were a total of five reported accidents on this segment of road during the last five years.
- VIII. Other Factors of Significance: None
- IX. Is a Speed Zone Warranted: Yes
- X. Recommendations: The California Manual of Uniform Traffic Control Devices indicates that when a speed limit is to be posted, it should be established at the nearest 5 mph increment of the 85<sup>th</sup> percentile speed.

Raise the existing 35 mile per hour speed limit to 40 mile per hour.

Patrick Perkins  
Principal Civil Engineer

Road: **McCourtney Road** Segment: **McCourtney-1.3-2.2 MI S. of Indian Springs**

Speed	# of cars	Cumulative	Avg speed calc	Pace calc
20	12	0	240	
21	15	0	315	
22	11	0	242	
23	8	1	184	
24	12	1	288	
25	14	1	350	
26	24	1	624	
27	21	1	567	
28	25	2	700	
29	33	2	957	175
30	46	3	1380	209
31	46	3	1426	240
32	78	4	2496	307
33	125	6	4125	424
34	142	7	4828	554
35	201	10	7035	741
36	293	13	10548	1010
37	321	17	11877	1310
38	458	23	17404	1743
39	475	29	18525	2185
40	620	36	24800	2759
41	647	44	26527	3360
42	721	53	30282	4003
43	665	61	28595	4543
44	610	68	26840	5011
45	553	75	24885	5363
46	458	80	21068	5528
47	366	85	17202	5573
48	325	89	15600	5440
49	242	92	11858	5207
50	183	94	9150	4770
51	143	96	7293	4266
52	112	97	5824	3657
53	73	98	3869	3065
54	61	99	3294	2516
55	32	99	1760	1995
56	26	99	1456	1563
57	17	99	969	1214
58	22	100	1276	911
59	13	100	767	682
60	9	100	540	508
Total	8258		347966	8623

	Previous	Current
Average Speed	35	42
85th Percentile Pace	37	47
	28-37	37-48
		47
		366

Posted Speed: 35  
 AC Width: 21-22  
 Weather: Sunny  
 Location of Survey: At Chukar Rd  
 Date: 9/16/20 to 9/21/20  
 Observer: Pat Day

