



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

SPEED-ZONE STUDY SUMMARY

- I. Road: McCourtney Road
From: South Ponderosa
To: Wolf Mountain Road
- II. **Reason for Study:** Five-Year Update
- III. **Roadway Characteristics:**
- a. Width - 22-23-foot wide
 - b. Surface - Asphalt concrete
 - c. Striping - Double yellow centerline with edge line
 - d. ADT - 4,025
 - e. Length - 0.6 miles
- IV. **Roadside Characteristics:** Rural ranch properties.
- V. **Existing Speed Zone:** 40 miles per hour
- VI. **Prevailing Speed:**
- a. 10 miles per hour pace - 39-48 miles per hour
 - b. Average speed - 43 miles per hour
 - c. 85th percentile - 48 miles per hour
- VII. **Accident History:** There were a total of three 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 85th percentile speed.

Raise the existing 40 mile per hour speed limit to 45 mile per hour.

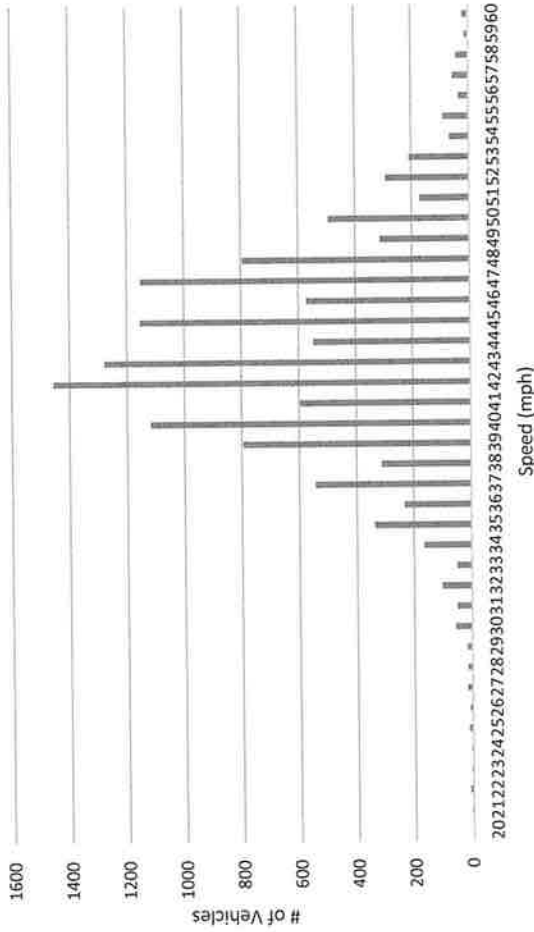
Patrick Perkins
Principal Civil Engineer

Speed	# of cars	Cumulative %	Avg Speed Calc	Pace Calc
20	2	0	40	
21	4	0	84	
22	10	0	220	
23	4	0	92	
24	4	0	96	
25	13	0	325	
26	9	0	234	
27	16	0	432	
28	15	1	420	95
29	18	1	522	150
30	57	1	1710	197
31	51	2	1581	290
32	103	2	3296	337
33	51	3	1683	498
34	165	4	5610	822
35	337	7	11795	1046
36	233	8	8388	1573
37	543	12	20091	1869
38	311	15	11818	2646
39	795	21	31005	3707
40	1118	29	44720	4251
41	595	34	24395	5605
42	1457	45	61194	6833
43	1279	54	54997	7217
44	549	59	24156	8034
45	1154	67	51930	8373
46	572	72	26312	8981
47	1151	80	54097	9465
48	795	86	38160	8983
49	313	89	15337	8358
50	493	92	24650	7934
51	171	94	8721	6769
52	292	96	15184	5698
53	208	98	11024	5216
54	67	98	3618	4152
55	90	99	4950	3615
56	35	99	1960	2518
57	54	99	3078	1765
58	42	100	2436	1464
59	12	100	708	991
60	20	100	1200	
Total	13208		569829	

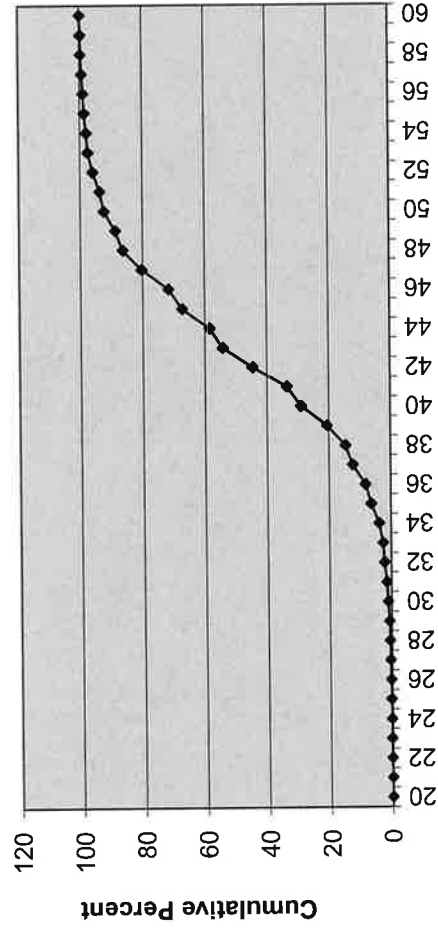
	Previous	Current	# of cars
Average Speed	39	43	
85th Percentile	42	47.76	48
Pace	35-44	39-48	795

Posted Speed: 40
 AC Width: 22-29
 Weather: Sunny
 Location of Survey: Near W Van Tam Way
 Date: 9/14/20 to 9/18/20
 Observer: Pat Day

Speed Distribution



Speed (mph)



Speed (mph)