



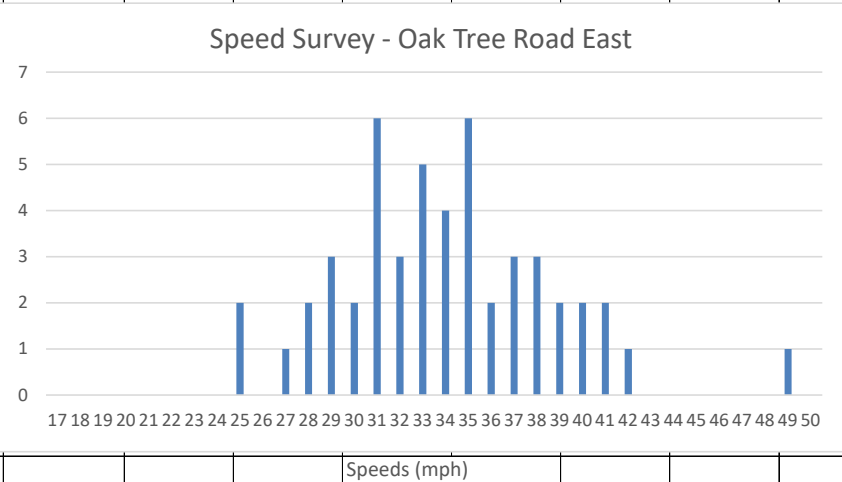
File: 600.33 037
Data collected by: Day
Summary prepared by: Hankins
Date: October 2018

ENGINEERING AND TRAFFIC SURVEY

- I. **Road:** Oak Tree Road
From: Tyler Foote Crossing Road
To: Wampum Way
- II. **Reason for Study:** Subdivider request
- III. **Roadway Characteristics:**
- a. Width - 22 feet
 - b. Surface - Asphaltic concrete
 - c. Striping - Double yellow centerline with white edge line
 - d. ADT - 1,394
 - e. Length - 1.2 mile
- IV. **Roadside Characteristics:** Rural residential and agricultural
- V. **Existing Speed Zone:** 45 mph
- VI. **Prevailing Speed:**
- a. 10 miles per hour pace - 27-36 miles per hour
 - b. Average speed - 34 miles per hour
 - c. 85th percentile - 38 miles per hour
- VII. **Accident History:** There have been two reported collisions in the past five years.
- VIII. **Other Factors of Significance:** None
- IX. **Is a Change in Speed Zone Warranted:** Yes
- X. **Recommendations:** In accordance with the California Manual of Uniform Traffic Control Devices, Section 2B.13.12a and given the prevalence of curves and number of driveways feeding into this segment of Oak Tree Road, establish a 35 mile per hour speed limit.

Trisha Tillotson, P.E.
Director of Public Works

Road: Oak Tree Road		Segment: Tyler Foote Crossing to Wampum Way														
Speed	# of vehicles	Cumulative #	Cumulative %	Avg Speed Calc	Pace Calc											
17	0	0	0	0												
18	0	0	0	0												
19	0	0	0	0												
20	0	0	0	0												
21	0	0	0	0												
22	0	0	0	0												
23	0	0	0	0												
24	0	0	0	0												
25	2	2	4	50												
26	0	2	4	0	4											
27	1	3	6	27	6											
28	2	5	10	56	10											
29	3	8	16	87	16											
30	2	10	20	60	20											
31	6	16	32	186	32											
32	3	19	38	96	38											
33	5	24	48	165	48											
34	4	28	56	136	56											
35	6	34	68	210	64											
36	2	36	72	72	68											
37	3	39	78	111	72											
38	3	42	84	114	74											
39	2	44	88	78	72											
40	2	46	92	80	72											
41	2	48	96	82	64											
42	1	49	98	42	60											
43	0	49	98	0	50											
44	0	49	98	0	42											
45	0	49	98	0	30											
46	0	49	98	0	26											
47	0	49	98	0	20											
48	0	49	98	0	14											
49	1	50	100	49	12											
50	0	50	100	0	8											
Total	50			1701												
		avg= 34		34.02												
		85th = 38														
		pace = 27-36			90.00%											
Posted Speed: 45				Date: 10/17/2018												
				Time: 10:00 AM - 12:00 PM												
AC Width: 24				Observer: Day												
Weather: Sunny																





File: 600.33 037
Data collected by: Day
Summary prepared by: Hankins
Date: October 2018

ENGINEERING AND TRAFFIC SURVEY

- I. **Road:** Oak Tree Road
From: Wampum Way
To: State Route 49
- II. **Reason for Study:** Subdivider request
- III. **Roadway Characteristics:**
- a. Width - 22 feet
 - b. Surface - Asphaltic concrete
 - c. Striping - Double yellow centerline with white edge line
 - d. ADT - 1,394
 - e. Length - 1.6 mile
- IV. **Roadside Characteristics:** Rural residential and agricultural
- V. **Existing Speed Zone:** 45 mph
- VI. **Prevailing Speed:**
- a. 10 miles per hour pace - 37-46 miles per hour
 - b. Average speed - 41 miles per hour
 - c. 85th percentile - 43 miles per hour
- VII. **Accident History:** There have been four reported collisions in the past five years.
- VIII. **Other Factors of Significance:** None
- IX. **Is a Change in Speed Zone Warranted:** Yes
- X. **Recommendations:** Retain the 45 mile per hour speed limit.

Trisha Tillotson, P.E.
Director of Public Works

	Road: Oak Tree Road			Segment: Wampum Way to SR 49												
Speed	# of vehicles	Cumulative #	Cumulative %	Avg Speed Calc	Pace Calc											
17	0	0	0	0												
18	0	0	0	0												
19	0	0	0	0												
20	0	0	0	0												
21	0	0	0	0												
22	0	0	0	0												
23	0	0	0	0												
24	0	0	0	0												
25	0	0	0	0												
26	1	1	2	26	2											
27	0	0	2	0	2											
28	0	0	2	0	2											
29	0	0	2	0	2											
30	1	2	4	30	4											
31	0	2	4	0	4											
32	1	3	6	32	6											
33	0	3	6	0	6											
34	0	3	6	0	6											
35	4	7	14	140	14											
36	3	10	20	108	18											
37	4	14	28	148	26											
38	3	17	34	114	32											
39	0	17	34	0	32											
40	2	19	38	80	34											
41	5	24	48	205	44											
42	5	29	58	210	52											
43	3	32	64	129	58											
44	3	35	70	132	64											
45	2	37	74	90	60											
46	6	43	86	276	66											
47	1	44	88	47	60											
48	1	45	90	48	56											
49	2	47	94	98	60											
50	1	48	96	50	58											
51	1	49	98	51	50											
52	0	49	98	0	40											
53	0	49	98	0	34											
54	1	50	100	54	30											
Total	50	50	100	2068												
		avg= 41.36		41.36												
		85th = 43														
		pace = 37-46			90.00%											
Posted Speed: 45				Date: 10/24/2018												
				Time: 10:00 AM - 12:00 PM												
AC Width: 24				Observer: Day												
Weather: Sunny																

