

Howard. N. Dashiell  
DIRECTOR OF TRANSPORTATION

Road Commissioner  
County Engineer, RCE 42001  
County Surveyor, PLS 7148



#### FUNCTIONS

Administration & Business Services  
Airports  
Engineering  
Land Improvement  
Roads and Bridges  
Landfills

**COUNTY OF MENDOCINO  
DEPARTMENT OF TRANSPORTATION**  
340 LAKE MENDOCINO DRIVE  
UKIAH, CALIFORNIA 95482-9432  
VOICE (707) 463-4363 FAX (707) 463-5474

Prepared By: Howard N. Dashiell, Director of Transportation  
Ramon Plaza, Engineering Technician

**Traffic Study Number 17-01: SPEED ZONE STUDY ON RUDDICK CUNNINGHAM ROAD,  
COUNTY ROAD 205, at Mile Post 0.25**

#### **BACKGROUND**

In response to a petition from the residents along Ruddick Cunningham Road, County Road (CR) 205, Traffic Study Number (No.) 17-01, an Engineering and Traffic Study for speed zoning, was undertaken on Ruddick Cunningham CR 205, at milepost (MP) 0.25, during the month of April of 2017. The Mendocino County Board of Supervisors previously adopted a prima facie speed limit of 45 miles per hour (MPH) for the road. The petitioners seek to have the County of Mendocino Department of Transportation decrease the speed limit in conformance with the California Manual of Uniform Traffic Control Devices (CA MUTCD) requirements.

For prima facie speed limits to be legally enforceable on any road with a functional classification other than local road, the California Vehicle Code (CVC) requires that they must be:

1. Determined on the basis of an Engineering and Traffic Survey, (E&TS); and
2. Adopted by Ordinance; and
3. Posted.

Failure to meet any one of the three of the preceding requirements will result in the creation of an unenforceable speed trap as defined by the CVC. Section 627 of the CVC further requires that an ET&S shall include consideration of the following:

1. Prevailing speeds determined by traffic engineering measurements
2. Collision records
3. Highway, traffic, and roadside conditions not readily apparent to the driver

Unless conditions not readily apparent to the driver are found to exist and are properly documented, the CA MUTCD requires that the speed limit, unless otherwise warranted, shall be established at the 5 MPH increment closest to the prevailing (85<sup>th</sup> percentile) speed.

## **ROAD DATA**

**Functional Class:** Rural Local

**Posted Speed Limits:** 45 MPH

**Adjacent Land Uses:** Cluster of residences from MP 0.25 to MP 0.50, scattered residences past MP 0.50 to MP 3.45, and agricultural use throughout.

**Geometry:** Ruddick Cunningham Road is a north/south road with a series of straight sections separated by five right angle turns.

**Lane Widths:** 10 feet

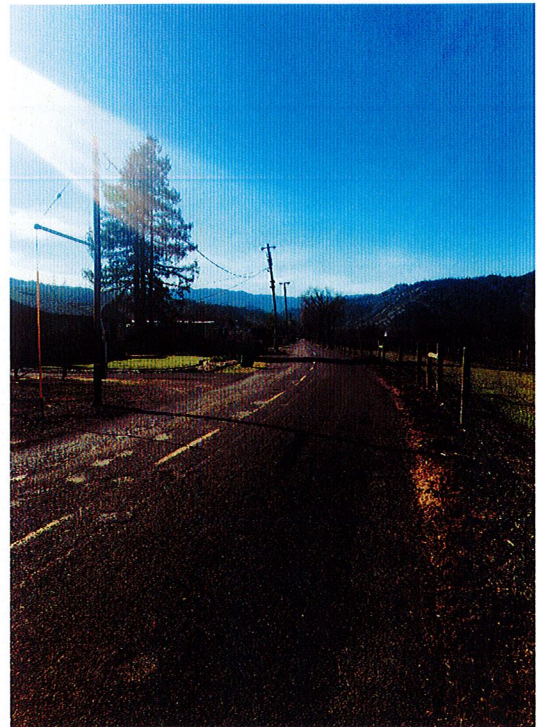
**Edge lines:** Yes

**ADT-2017:** 223

**Comments:** This area is a residential or business district as defined by the California Vehicle Code from MP 0.25 to MP 0.50. It is not a residential or business district as defined by the California Vehicle Code from MP 0.50 to MP 3.45.

### **Prevailing Speed**

During April 2017, speed surveys were performed on Ruddick Cunningham Road, CR 205. Eight to ten days of free-flowing traffic were encountered and measured. A detailed survey is found in Appendix A.



**Ruddick Cunningham Road MP 0.25:**

**Table 1: Speed Survey Data**

M.P.	Survey Date	Start Time	Prevailing speed (85 <sup>th</sup> Percentile)	Pace (%)	High	Low
0.25	4/27/2017	11:00 pm	38 MPH	27.1	96 MPH +	1-35 MPH

### **Collision Records**

The County's database for Ruddick Cunningham Road, CR 205, extends back to 1989. There have been a total of 41 accidents on this road in the past 28 years, of which only one was a fatality. A detailed summary of all the reported accidents on Ruddick Cunningham Road is found in Appendix B.

## **ANALYSIS**

Ruddick Cunningham Road, CR 205 is a north south road 3.45 miles long connecting Old River Road, CR 201, and State Highway 222 (Talmage Road). Ruddick Cunningham Road consists of straight sections of road separated by five right angle turns where visibility is limited. The southern section of Ruddick Cunningham Road has 21 residences between MP 0.25 to MP 0.50. Currently, Ruddick Cunningham Road has a posted speed limit of 45 MPH. As per CVC 515 and CVC 240 Ruddick Cunningham Road, MP 0.25 to MP 0.50 constitutes as a residential district. The petitioners seek to have the County lower the speed limit in the vicinity of their homes (between MP 0.25 to 0.50). Exhibit A in Appendix C illustrates a pictorial representation of the speed zone study area.



Mendocino County Code Sec. 15.04.040 governs speed limit changes and charges the County Road Commissioner with determining an application meritorious. Typically, the Road Commissioner's decision as to merit is based on many factors including but not limited to majority of community support (citizen petition), support of public safety agencies, California Highway Patrol, meeting the CA MUTCD, and Caltrans Traffic Manual Policies and Warrants for establishing speed limits.

Traffic data which consisted of a traffic volumes and speed survey were collected at four locations on Ruddick Cunningham Road at MP 0.25. The data was collected over a period of 7 days. The average daily traffic (ADT) at MP 0.25 was 223. The 85<sup>th</sup> percentile speed was 38 MPH. Therefore the section of road from MP 0.00 to MP 0.50 needs to be posted at 40 MPH for radar enforcement.

The prima facie speed limit of 45 MPH is still adequate from MP 0.50 to MP 3.45.

The 45 MPH on Ruddick Cunningham Road between MP 0.00 to MP 0.50 should be lowered to 25 MPH because of CVC 515 stating "*A 'residence district' is that portion of a highway and the property contiguous thereto, other than a business district, (a) upon one side of which highway, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 13 or more separate dwelling houses or business structures, or (b) upon both sides of which highway, collectively, within a distance of a quarter of a mile, the contiguous property fronting thereon is occupied by 16 or more separate dwelling houses or business structures. A residence district may be longer than one-quarter of a mile if the above ratio of separate dwelling houses or business structures to the length of the highway exists.*" fit as a residential district. CVC 22352 (b) (1) stating "*The prima facie limits are as follows and shall be applicable unless changed as authorized in this code and, if so changed, only when signs have been erected giving notice thereof: (b) Twenty-five miles per hour: (1) On any highway other than a state highway, in any business or residence district unless a different speed is determined by local authority under procedures set forth in this code.*" also supports that this section of road qualifies as a residential district and a 25 MPH zone. The MUTCD does permit lowering the speed limit below the 85<sup>th</sup> percentile of 40 MPH to 25 MPH which is the 50<sup>th</sup> percentile; however, this may not be radar enforceable.

### **RECOMMENDATION**

Under Mendocino County Code Section 15.40.040 the Road Commissioner has found this speed zone change request meritorious for this half mile stretch of Ruddick Cunningham Road, CR 205. Refer to Appendix C which supports a 25 MPH residential district.

Accepted and approved by:



Howard N. Dashiell, Director of Transportation

2/9/19

Date



# **Appendix A**

## **Speed Survey Data**

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound

[illegible]

## Page 2

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound

Start Time	1 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 90	91 95	96 999	Total	Pace Speed	Number in Pace
04/27/17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	6	3	1	0	0	0	0	0	0	0	0	0	0	0	10	31-40	4
07:00	11	1	2	0	0	0	0	0	0	0	0	0	0	0	14	36-45	3
08:00	10	3	0	0	0	0	0	0	0	0	0	0	0	0	13	32-41	4
09:00	6	2	0	0	0	0	0	0	0	0	0	0	0	0	8	30-39	3
10:00	11	1	2	0	0	0	0	0	0	0	0	0	0	0	14	36-45	3
11:00	16	1	0	2	1	0	0	0	0	0	0	0	0	0	20	1-10	5
12 PM	11	3	1	0	0	0	0	0	0	0	0	0	0	0	15	31-40	5
13:00	14	1	0	0	0	0	0	0	0	0	0	0	0	0	15	26-35	4
14:00	5	2	1	0	0	0	0	0	0	0	0	0	0	0	8	36-45	3
15:00	12	2	1	0	1	0	0	0	0	0	0	0	0	0	16	28-37	4
16:00	15	5	1	1	1	0	0	0	0	0	0	0	0	0	23	31-40	7
17:00	8	1	4	1	0	0	0	0	0	0	0	0	0	0	14	38-47	5
18:00	12	1	0	0	0	0	0	0	0	0	0	0	0	0	13	28-37	3
19:00	8	2	1	1	0	0	0	0	0	0	0	0	0	0	12	36-45	3
20:00	9	1	0	0	0	0	0	0	0	0	0	0	0	0	10	1-10	3
21:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4	35-44	1
22:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	*	1
23:00	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	34-43	2
Total	164	31	16	5	3	0	0	0	0	0	0	0	0	0	219		
Percent	74.9%	14.2%	7.3%	2.3%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	11:00 16	06:00 3	07:00 2	11:00 2	11:00 1										11:00 20		
PM Peak Vol.	16:00 15	16:00 5	17:00 4	16:00 1	15:00 1										16:00 23		



# Mendocino County Department of Transportation

340 Lake Mendocino Drive  
Ukiah, California 95482

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Page 4

Site Code: 00000002

Station ID:

Latitude: 0' 0.0000 South

West Bound, East Bound

Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96		Pace	Number
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	Total	Speed	in Pace
04/29/17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	35-44	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
05:00	2	2	1	0	0	0	0	0	0	0	0	0	0	0	5	36-45	3
06:00	8	2	0	0	0	0	0	0	0	0	0	0	0	0	10	31-40	3
07:00	6	2	0	0	0	0	0	0	0	0	0	0	0	0	8	30-39	3
08:00	5	2	1	1	0	0	0	0	0	0	0	0	0	0	9	36-45	3
09:00	7	0	1	0	0	0	0	0	0	0	0	0	0	0	8	26-35	2
10:00	10	8	2	0	0	0	0	0	0	0	0	0	0	0	20	32-41	10
11:00	13	5	3	0	0	0	0	0	0	0	0	0	0	0	21	34-43	8
12 PM	13	7	1	0	1	0	0	0	0	0	0	0	0	0	22	31-40	9
13:00	16	2	0	0	0	0	0	0	0	0	0	0	0	0	18	1-10	5
14:00	16	2	2	1	1	0	0	1	0	0	0	0	0	0	23	1-10	5
15:00	11	7	0	0	0	0	0	0	0	0	0	0	0	0	18	31-40	9
16:00	11	3	1	0	0	0	0	0	0	0	0	0	0	0	15	31-40	5
17:00	10	5	4	0	1	0	0	0	0	0	0	0	0	1	21	36-45	9
18:00	17	4	4	0	0	0	0	0	0	0	0	0	0	0	25	36-45	8
19:00	10	5	1	0	0	0	0	0	0	0	0	0	0	0	16	35-44	6
20:00	18	1	0	0	0	0	0	0	0	0	0	0	0	0	19	26-35	5
21:00	5	3	1	0	0	0	0	0	0	0	0	0	0	0	9	36-45	4
22:00	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6	31-40	3
23:00	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9	31-40	2
Total	198	64	22	2	3	0	0	1	0	0	0	0	0	1	291		
Percent	68.0%	22.0%	7.6%	0.7%	1.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%			
AM Peak	11:00	10:00	11:00	08:00											11:00		
Vol.	13	8	3	1											21		
PM Peak	20:00	12:00	17:00	14:00	12:00			14:00						17:00	18:00		
Vol.	18	7	4	1	1			1						1	25		



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**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound[illegible]

# Mendocino County Department of Transportation

340 Lake Mendocino Drive

Ukiah, California 95482

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Page 6

Site Code: 00000002

Station ID:

Latitude: 0' 0.0000 South

West Bound, East Bound

Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96		Pace	Number
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	Total	Speed	in Pace
05/01/17	2	1	2	0	0	0	0	0	0	0	0	0	0	0	5	35-44	3
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
02:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
05:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4	33-42	2
06:00	9	4	0	0	0	0	0	0	0	0	0	0	0	0	13	32-41	5
07:00	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10	31-40	4
08:00	11	1	0	1	0	0	0	0	0	0	0	0	0	0	13	27-36	3
09:00	8	2	1	0	0	0	0	0	0	0	0	0	0	0	11	36-45	3
10:00	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6	32-41	3
11:00	5	2	0	2	0	0	0	0	0	0	0	0	0	0	9	31-40	3
12 PM	9	4	2	0	0	0	0	0	0	0	0	0	0	0	15	33-42	6
13:00	6	2	4	1	0	0	0	0	0	0	0	0	0	0	13	36-45	6
14:00	17	2	1	0	0	0	0	0	0	0	0	0	0	0	20	1-10	5
15:00	14	3	2	0	0	0	0	0	0	0	0	0	0	1	20	36-45	5
16:00	19	4	1	0	0	0	0	0	0	0	0	0	0	0	24	31-40	7
17:00	13	4	1	0	0	0	0	0	0	0	0	0	0	0	18	31-40	6
18:00	10	1	2	0	0	0	0	0	0	0	0	0	0	0	13	36-45	3
19:00	8	4	2	0	0	0	0	0	0	0	0	0	0	0	14	36-45	6
20:00	4	2	0	1	0	0	0	0	0	0	0	0	0	0	7	31-40	3
21:00	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9	1-10	3
22:00	2	2	0	1	0	0	0	0	0	0	0	0	0	0	5	36-45	2
23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
Total	164	44	20	6	0	0	0	0	0	0	0	0	0	1	235		
Percent	69.8%	18.7%	8.5%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%			
AM Peak	08:00	06:00	00:00	11:00											06:00		
Vol.	11	4	2	2											13		
PM Peak	16:00	12:00	13:00	13:00										15:00	16:00		
Vol.	19	4	4	1										1	24		

## Page 7

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound

[illegible]

# Mendocino County Department of Transportation

340 Lake Mendocino Drive  
Ukiah, California 95482

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Page 8

Site Code: 00000002

Station ID:

Latitude: 0' 0.0000 South

West Bound, East Bound

Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96		Pace	Number
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	Total	Speed	in Pace
05/03/17	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	*	1
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
03:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	35-44	1
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
05:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	34-43	2
06:00	9	1	0	1	0	0	0	0	0	0	0	0	0	0	11	1-10	3
07:00	10	2	0	2	0	0	0	0	0	0	0	0	0	0	14	32-41	3
08:00	5	2	1	1	0	0	0	0	0	0	0	0	0	0	9	36-45	3
09:00	5	3	0	1	0	0	0	0	0	0	0	0	0	0	9	31-40	4
10:00	6	0	1	1	0	0	0	0	0	0	0	0	0	0	8	*	2
11:00	6	1	1	0	0	0	0	0	0	0	0	0	0	0	8	*	2
12 PM	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9	31-40	2
13:00	15	3	1	2	0	0	0	0	0	0	0	0	0	1	22	31-40	5
14:00	12	1	1	0	0	0	0	0	0	0	0	0	0	0	14	28-37	3
15:00	5	1	0	1	0	0	0	0	0	0	0	0	0	0	7	28-37	2
16:00	10	5	1	1	0	0	0	0	0	0	0	0	0	0	17	35-44	6
17:00	13	4	1	0	0	0	0	0	0	0	0	0	0	0	18	31-40	6
18:00	9	1	1	0	0	0	0	0	0	0	0	0	0	0	11	1-10	3
19:00	21	1	0	0	0	0	0	0	0	0	0	0	0	0	22	1-10	6
20:00	6	1	0	1	0	0	0	0	0	0	0	0	0	0	8	*	2
21:00	9	1	1	0	0	0	0	0	0	0	0	0	0	0	11	1-10	3
22:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1
23:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	34-43	2
Total	159	31	12	12	0	0	0	0	0	0	0	0	0	1	215		
Percent	74.0%	14.4%	5.6%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%			
AM Peak	07:00	09:00	00:00	07:00												07:00	
Vol.	10	3	1	2												14	
PM Peak	19:00	16:00	13:00	13:00										13:00	13:00		
Vol.	21	5	1	2										1	22		



## Page 9

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound

Start Time	1 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 90	91 95	96 999	Total	Pace Speed	Number in Pace
05/04/17	3	0	0	1	0	0	0	0	0	0	0	0	0	0	4	*	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	44-53	1
06:00	6	0	1	0	0	0	0	0	0	0	0	0	0	0	7	*	2
07:00	8	1	0	1	0	0	0	0	0	0	0	0	0	0	10	31-40	2
08:00	8	3	0	0	0	0	0	0	0	0	0	0	0	0	11	31-40	4
09:00	12	1	0	0	0	0	0	0	0	0	0	0	0	0	13	28-37	3
10:00	8	1	1	1	0	0	0	0	0	0	0	0	0	0	11	41-50	2
11:00	10	3	1	1	0	0	0	0	0	0	0	0	0	0	15	36-45	4
12 PM	6	1	2	0	0	0	0	0	0	0	0	0	0	0	9	34-43	3
13:00	5	1	0	1	0	0	0	0	0	0	0	0	0	0	7	28-37	2
14:00	7	3	1	0	0	0	0	0	0	0	0	0	0	0	11	36-45	4
15:00	10	7	3	0	0	0	0	0	0	0	0	0	0	0	20	36-45	10
16:00	15	4	3	0	1	0	0	0	0	0	0	0	0	0	23	34-43	7
17:00	13	6	1	0	0	0	0	0	0	0	0	0	0	0	20	31-40	8
18:00	20	1	0	0	0	0	0	0	0	0	0	0	0	0	21	1-10	6
19:00	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10	31-40	4
20:00	12	1	1	0	0	0	0	0	0	0	0	0	0	0	14	28-37	3
21:00	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5	35-44	2
22:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	*	1
23:00	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5	31-40	2
Total	162	39	14	5	2	0	0	0	0	0	0	0	0	0	222		
Percent	73.0%	17.6%	6.3%	2.3%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.	09:00 12	08:00 3	06:00 1	00:00 1	05:00 1										11:00 15		
PM Peak Vol.	18:00 20	15:00 7	15:00 3	13:00 1	16:00 1										16:00 23		

## Page 10

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Station ID:

West Bound, East Bound

Start Time	1 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 80	81 85	86 90	91 95	96 999	Total	Pace Speed	Number in Pace
05/05/17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	1
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	35-44	2
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	35-44	*
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	*	1
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	34-43	1
05:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	35-44	2
06:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	27-36	1
07:00	7	1	0	0	0	0	0	0	0	0	0	0	0	0	8	31-40	2
08:00	9	0	3	1	0	0	0	0	0	0	0	0	0	0	13	39-48	4
09:00	5	3	0	1	0	0	0	0	0	0	0	0	0	0	9	31-40	4
10:00	13	1	1	0	0	0	0	0	0	0	0	0	0	0	15	1-10	4
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	44	5	9	2	0	0	0	0	0	0	0	0	0	0	60		
Percent	73.3%	8.3%	15.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	08:00	08:00											10:00		
Vol.	13	3	3	1											15		
PM Peak																	
Vol.																	
Total	1467	330	150	54	16	0	0	1	0	0	0	0	0	3	2021		
Percent	72.6%	16.3%	7.4%	2.7%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%			
			15th Percentile :		7 MPH												
			50th Percentile :		24 MPH												
			85th Percentile :		38 MPH												
			95th Percentile :		44 MPH												
Stats		10 MPH Pace Speed :		31-40 MPH													
		Number in Pace :		540													
		Percent in Pace :		26.7%													
		Number of Vehicles > 45 MPH :		74													
		Percent of Vehicles > 45 MPH :		3.7%													
		Mean Speed(Average) :		24 MPH													

# Mendocino County Department of Transportation

340 Lake Mendocino Drive

Ukiah, California 95482

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Page 1

Site Code: 00000002

Station ID:

Latitude: 0' 0.0000 South

Start Time	24-Apr-17		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	West Boun	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou
12:00 AM	*	*	*	*	*	*	0	0	1	0	2	1	2	2	1	1
01:00	*	*	*	*	*	*	1	1	0	0	2	0	1	3	1	1
02:00	*	*	*	*	*	*	0	0	2	1	0	0	0	1	0	0
03:00	*	*	*	*	*	*	1	0	1	2	3	0	0	1	1	1
04:00	*	*	*	*	*	*	0	1	0	1	0	1	0	1	0	1
05:00	*	*	*	*	*	*	0	0	0	1	3	2	0	0	1	1
06:00	*	*	*	*	*	*	6	4	7	7	6	4	1	0	5	4
07:00	*	*	*	*	*	*	9	5	4	5	5	3	7	2	6	4
08:00	*	*	*	*	*	*	6	7	6	7	4	5	3	3	5	6
09:00	*	*	*	*	*	*	1	7	7	6	2	6	5	6	4	6
10:00	*	*	*	*	*	*	3	11	4	5	12	8	10	16	7	10
11:00	*	*	*	*	5	7	8	12	5	7	10	11	6	7	7	9
12:00 PM	*	*	*	*	8	4	7	8	6	5	11	11	6	5	8	7
01:00	*	*	*	*	4	5	11	4	5	4	10	8	6	6	7	5
02:00	*	*	*	*	3	5	2	6	14	4	14	9	6	3	8	5
03:00	*	*	*	*	13	6	8	8	10	6	11	7	12	5	11	6
04:00	*	*	*	*	12	7	11	12	11	7	7	8	9	7	10	8
05:00	*	*	*	*	6	5	6	8	5	4	14	7	6	4	7	6
06:00	*	*	*	*	6	5	7	6	9	8	12	13	9	5	9	7
07:00	*	*	*	*	8	5	8	4	10	1	8	8	6	8	8	5
08:00	*	*	*	*	7	3	5	5	7	2	14	5	9	1	8	3
09:00	*	*	*	*	4	5	3	1	3	4	4	5	2	3	3	4
10:00	*	*	*	*	0	2	1	2	3	3	1	5	2	1	1	3
11:00	*	*	*	*	2	2	2	1	0	3	6	3	3	2	3	2
Lane Day	0	0	0	0	78	61	106	113	120	93	161	130	111	92	121	105
	0		0		139		219		213		291		203		226	
AM Peak	-	-	-	-	11:00	11:00	07:00	11:00	06:00	06:00	10:00	11:00	10:00	10:00	10:00	10:00
Vol.	-	-	-	-	5	7	9	12	7	7	12	11	10	16	7	10
PM Peak	-	-	-	-	15:00	16:00	13:00	16:00	14:00	18:00	14:00	18:00	15:00	19:00	15:00	16:00
Vol.	-	-	-	-	13	7	11	12	14	8	14	13	12	8	11	8

# Mendocino County Department of Transportation

340 Lake Mendocino Drive  
Ukiah, California 95482

**Ruddick Cunningham Road, CR 205, M.P. 0.25**

Page 2

Site Code: 00000002

Station ID:

Latitude: 0' 0.0000 South

Start Time	01-May-17		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	West Boun	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou
12:00 AM	2	3	2	0	2	1	4	0	1	1	*	*	*	*	2	1
01:00	1	0	1	0	1	1	0	0	0	2	*	*	*	*	1	1
02:00	2	1	2	0	0	1	0	0	0	1	*	*	*	*	1	1
03:00	0	0	1	1	0	2	0	1	1	1	*	*	*	*	0	1
04:00	0	1	2	1	1	0	0	0	1	0	*	*	*	*	1	0
05:00	4	0	1	0	1	2	1	1	2	1	*	*	*	*	2	1
06:00	7	6	8	6	5	6	4	3	2	2	*	*	*	*	5	5
07:00	4	6	4	5	7	7	6	4	5	3	*	*	*	*	5	5
08:00	6	7	7	8	5	4	5	6	6	7	*	*	*	*	6	6
09:00	4	7	3	6	3	6	7	6	6	3	*	*	*	*	5	6
10:00	2	4	5	4	2	6	7	4	8	7	*	*	*	*	5	5
11:00	7	2	6	11	4	4	8	7	0	0	*	*	*	*	5	5
12:00 PM	9	6	9	5	4	5	4	5	*	*	*	*	*	*	6	5
01:00	4	9	7	7	16	6	4	3	*	*	*	*	*	*	8	6
02:00	12	8	12	6	8	6	6	5	*	*	*	*	*	*	10	6
03:00	11	9	9	8	6	1	12	8	*	*	*	*	*	*	10	6
04:00	15	9	14	10	10	7	15	8	*	*	*	*	*	*	14	8
05:00	6	12	11	10	10	8	8	12	*	*	*	*	*	*	9	10
06:00	5	8	7	5	4	7	10	11	*	*	*	*	*	*	6	8
07:00	9	5	3	2	11	11	7	3	*	*	*	*	*	*	8	5
08:00	6	1	2	2	6	2	11	3	*	*	*	*	*	*	6	2
09:00	6	3	4	3	7	4	3	2	*	*	*	*	*	*	5	3
10:00	2	3	2	1	2	1	2	1	*	*	*	*	*	*	2	2
11:00	1	0	1	0	0	2	2	3	*	*	*	*	*	*	1	1
Lane Day	125	110	123	101	115	100	126	96	32	28	0	0	0	0	123	99
AM Peak	06:00	08:00	06:00	11:00	07:00	07:00	11:00	11:00	10:00	08:00	-	-	-	-	08:00	08:00
Vol.	7	7	8	11	7	7	8	7	8	7	-	-	-	-	6	6
PM Peak	16:00	17:00	16:00	16:00	13:00	19:00	16:00	17:00	-	-	-	-	-	-	16:00	17:00
Vol.	15	12	14	10	16	11	15	12	-	-	-	-	-	-	14	10

Comb.  
Total

235

224

354

441

273

291

203

448

ADT

ADT 223

AADT 223



## **Appendix B**

### **Ruddick Cunningham Road Collision Records**

County of Mendocino Department of Transportation

Collisions Records for Ruddick Cunningham Road, CR 205								
Mile Post	Date	Time	Type	Parties	Description	Action	Cause	Other Factors
2.90	2/13/1998		Property	1	n/b 35 off e/s in 15?MPH LC	Off the Road	Unsafe Turn	Attn, Passenger
0.50	4/17/1998		Property	1	s/b 40 hit by horse entering from e/s driveway		Not Driver	Horse
2.78	7/18/1998		Property	1	s/b 25 xcl off e/s in 15MPH RC, evade dog?	Crossed Centerline and Off the Road	Basic Speed Law Violation	Dog
1.38	11/1/1998		Property	1	s/b 40-45 evade deer xcl off e/s hit pole	Crossed Centerline and Off the Road	Unsafe Turn	Basic Speed Law Violation, Deer
2.35	1/15/1999		Property	1	s/b @? off r/s in 15MPH LC hit vines, fled	Off the Road	Basic Speed Law Violation	Hit and Run
2.24	1/25/1999		Property	1	n/b @? braked xcl off w/s in 15MPH RC, fled	Crossed Centerline and Off the Road	Not On the Right Half	Basic Speed Law Violation, Hit and Run
1.77	5/11/1999		Property	1	n/b 45-50 failed to slow for 15MPH LC off e/s	Off the Road	Basic Speed Law Violation	Not On the Right Half
1.73	5/31/1999		Property	1	n/b 30 failed to slow for 15MPH LC off e/s	Off the Road	Basic Speed Law Violation	
1.80	10/3/1999		Property	1	n/b 30 inattentive off e/s in 15MPH LC	Off the Road	Unsafe Turn	Attn, Radio
2.75	10/21/1999		Property	1	n/b 60? rapid accel rf tire fail, off e/s downed u/p hit vines	Off the Road	Not On the Right Half	Basic Speed Law Violation
2.45	11/27/1999		Property	1	s/b 50-60 off w/s in 15?MPH LC	Off the Road	Basic Speed Law Violation	
1.50	3/9/2000	10:45	Fatal	1	s/b 50-70 off w/s in LC airborne over Howell Cr. hit s/bank	Off the Road	DUI	Unsafe Turn
2.75	9/6/2000	14:55	Injury	1	n/b 60 lost control in LC o/t		Basic Speed Law Violation	
2.45	10/9/2000	9:05	Property	2	n/b 5-10 trlr xcl in RC hit s/b 25	Crossed Centerline	L/DYL	
2.79	10/3/2001	19:30	Property	1	n/b 30 off e/s hit steel posts	Off the Road	Unsafe Turn	
2.78	10/3/2001	20:40	Property	2	n/b 60 brake skid off e/s hit parked	Off the Road	Basic Speed Law Violation	
2.85	11/11/2001	14:05	Property	2	s/b 30 in 15 MPH RC brake skid on wet road xcl hit n/b - WET	Crossed Centerline	L/DYL	Basic Speed Law Violation, Wet
2.25	2/23/2002	1:00	Property	1	s/b @? off w/s in sharp LC hit 2 trellis poles, vines and irr	Off the Road	Basic Speed Law Violation	Hit and Run
2.85	10/25/2002	10:35	Property	2	s/b @? xcl in sharp RC hit n/b slowing	Crossed Centerline	Basic Speed Law Violation	Not On the Right Half
2.95	4/17/2003	8:45	Property	1	pole - inattentive(thinking)	Crossed Centerline and Off the Road	Not On the Right Half	Basic Speed Law Violation
1.45	8/4/2003	1:00	Property	1	s/b @? off w/s in sharp LC	Off the Road	Basic Speed Law Violation	
1.96	11/24/2003	16:40	Property	1	enter from w/s back into mailbox on e/s	Unsafe Backing	Unsafe Backing	
1.85	11/28/2003	15:35	Property	1	n/b 35 spun in curve off e/s hit grape vines - wet	Off the Road	Unsafe Turn	Unlicensed, Wet
2.25	3/11/2004	1:15	Property	1	s/b @? 15LC off w/s hit post and vines	Off the Road	DUI	Basic Speed Law Violation
2.45	3/17/2004	17:00	Injury	2	n/b enter LT from w/s in front of n/b 40 brake hard	Enter	DUI	Failure to Yield
1.83	8/1/2004	1:00	Property	1	n/b 50 15LC off e/s hit vines/irrigation system	Off the Road	Basic Speed Law Violation	
2.24	3/4/2005	23:15	Property	1	inattentive(passenger) 15LC off w/s hit sign and vines	Off the Road	Basic Speed Law Violation	
2.85	3/10/2005	19:00	Property	1	n/b 55 brake late for 15LC off e/s hit sign vineyard pole	Off the Road	Basic Speed Law Violation	
0.00	7/12/2005	19:30	Property	1	e/b @? Off s/s hit metal post	Off the Road	Not On the Right Half	

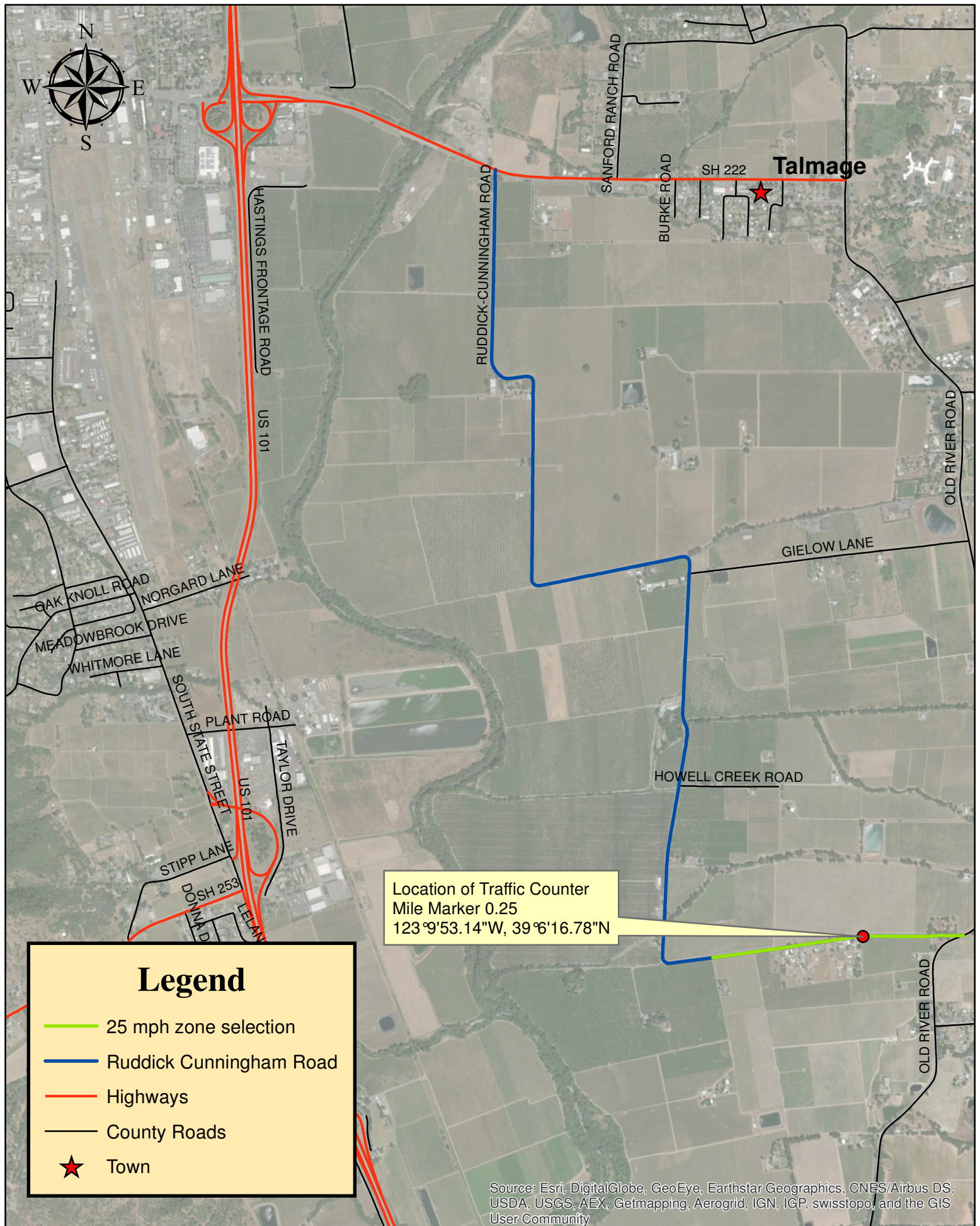
1.22	12/6/2005	9:05	Injury	2	enter from w/b Howell in front of n/b 45	Enter	Failure to Yield	
2.44	8/3/2006	22:55	Property	1	s/b 40 off w/s in LC hit vine and post	Off the Road	Unsafe Turn	
1.20	11/13/2006	18:50	Property	1	s/b 35 brake slid off w/s in LC hit arrow vines	Off the Road	Unsafe Turn	
0.09	7/12/2007	16:15	Property	2	n/b @? Enter LT from split hit n/b 30	Enter	Failure to Yield	Hit and Run
3.25	3/10/2010	16:45	Property	1	n/b @? Accel exit RC spun xcl off w/s down small bank hit vines	Crossed Centerline and Off the Road	Basic Speed Law Violation	
1.21	4/15/2010	3:45	Injury	1	n/b 50 fell asleep xcl off w/s hit pole	Crossed Centerline and Off the Road	Unsafe Turn	Asleep
2.24	5/24/2011	19:30	Property	1	s/b @? In n/b lane in sharp LC off w/s hit grape vines	Off the Road	Unsafe Turn	Hit and Run
2.85	5/25/2011	23:25	Injury	1	s/b 45 sharp RC xcl off e/s sharp correct, o/t	Crossed Centerline and Off the Road	Basic Speed Law Violation	
2.20	12/7/2012	18:40	Property	1	s/b 45 LC off w/s hit metal pole	Off the Road	Unsafe Turn	
0.00	2/4/2013	15:45	Property	1	s/b RT from Ruddick Cunningham Rd over shoulder hit asphalt roadway	Right Turn	Unsafe Turn	
2.15	10/5/2013	22:00	Property	1	n/b @? off e/s hit power pole	Off the Road	Unsafe Turn	Stolen Vehicle, Hit and Run
3.43	5/16/2014	12:11	Property	2	enter from w/b pvt drive in front of n/b 45-50	Enter	Failure to Yield	

# **Appendix C**

## **Speed Zone Study Map**



# Speed Survey on Ruddick Cunningham Road



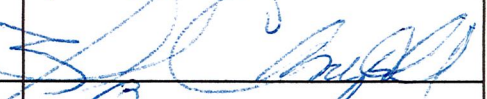


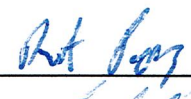
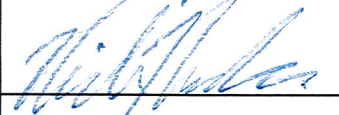

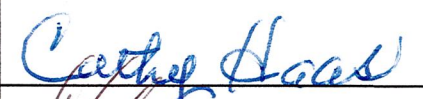


# **Appendix D**

## **Petition**



We the residents of Ruddick Cunningham Road petition Mendocino County Department of Transportation to reduce the speed limits to a residential speed limit of 25 miles per hour. This 25 mph limit is requested for ½ of mile on Ruddick Cunningham Road starting at Old River Road. In the said 1/2 mile there are 21 residential homes.

NAME	ADDRESS	PHONE	SIGNATURE
APRIL SIMMONS	3660 Ruddick Cunningham Rd Ukiah CA 95482	462-7606 CJ 272-4400	
Kathryn Fillmore	3680 Ruddick Cunningham Rd Ukiah Ca 95482	462-4254	
SUZANNE CARROLL	3780 RUDDICK CUNNINGHAM	234-9582	
Orlando Madueño	3610 RUDDICK CUNNINGHAM	707-3940122	
Laurale Burdon	3720 Ruddick Cunningham Rd	272-8913	
Robert Pegg	3700 Ruddick Cunningham Rd	367-5639	
Nicole Norick	3700 Ruddick Cunningham Rd	972-3539	
Brent Haas	3650 Ruddick Cunningham Rd	489-4321	
Cathy Haas	3720 Ruddick Cunningham Rd	489-2963	
David Simmons	3660 Ruddick Cunningham	272 1590	