

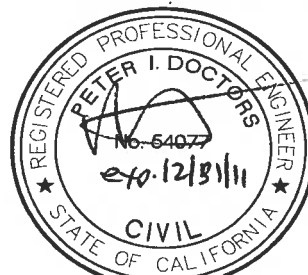
Traffic & Engineering Survey Summary

Street Name	Modoc Road
From / To	Las Positas Road to West Mission Street
FAU Classification	Other Principal Arterial
Width in feet	36-38 feet
Length in feet	4000 feet
Striping	Double yellow centerline, bike lanes
Parking	No on-street parking
Land Use	Housing
Location	Residence District
Existing Posted Speed Limit	35 mph
85th Percentile Speed in miles per hour	38 mph
Pace	27 to 37 mph
Average Daily Traffic in vehicles per day	5850 ADT
Special Characteristics	Bike Lanes, School Zone, Fire Station
Collision Rate (acc/MVM)	1.24
DISTRICT 5 URBAN 2 AND 3 LANE ROAD ACCIDENT RATE (2009) (acc/MVM)	1.59
Source	2009 Accident Data on California State Highways
Special Considerations (allowing reduction of speed limit up to 5 mph)	
Engineer's Determination of Speed Limit	35 mph
Speed Survey Expiry Date:	7/1/2018

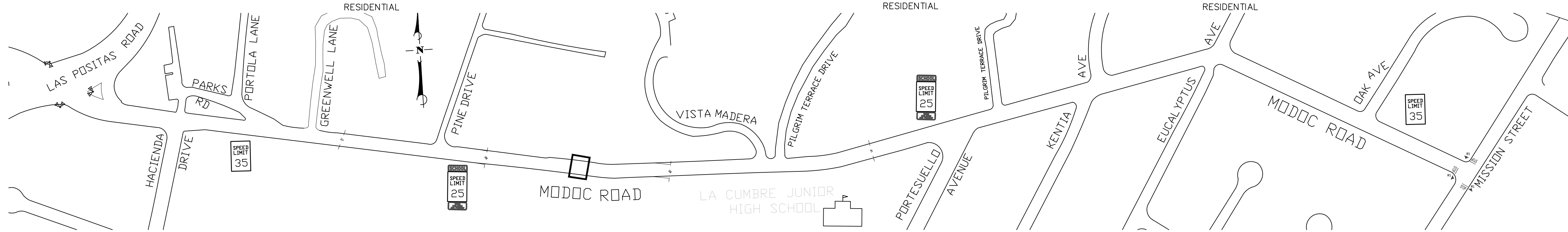
City of Santa Barbara



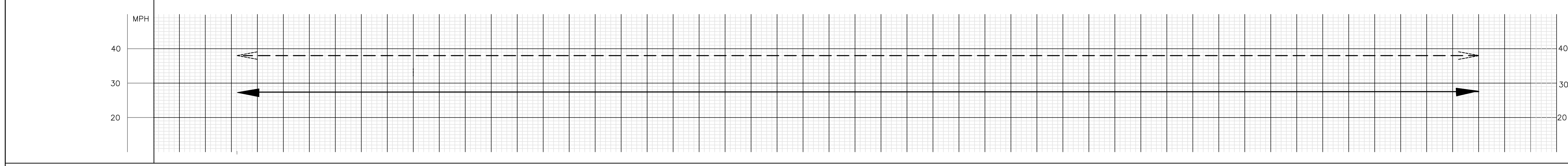
Peter I. Doctors, P.E.
Registered Civil Engineer Number 54077



REMARKS: ROADSIDE DEVELOPMENT



ROADWAY WIDTH	38 FEET	36 FEET
AVERAGE DAILY TRAFFIC	5850	
NO. OF STRIPED LANES	2 LANES	
TYPE OF DIVISION STRIPE	DASHED	
OBSERVED SPEED CRITICAL	38 MPH - OBSERVED 85th PERCENTILE SPEED	
TRAFFIC SIGNAL DATA	ACTUATED	
OBSERVED SPEED 10 mph PACE	27 TO 37 MPH - OBSERVED 10 MPH PACE	
EXISTING SIGNED ZONE	35 MPH - EXISTING SIGNED ZONE	25 MPH - WHEN CHILDREN ARE PRESENT
PROPOSED SPEED LIMIT	35 MPH	35 MPH - EXISTING SIGNED ZONE



DISTANCE IN FEET (1" = 250')	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
SEGMENT COLLISION RATE																											
DISTRICT 5 URBAN 2 AND 3 LANE ROAD ACCIDENT RATE (2009)																											

1.24 acc/MVM
(1.59 acc/MVM)

CITY OF SANTA BARBARA



SPEED ZONE SURVEY
Modoc Road

FROM LAS POSITAS ROAD
TO WEST MISSION STREET
SCALE: SCALE - 1" = 200'
DATE: 07-01-2011
PREPARED BY: S.SISLER

LEGEND

- ROAD SIGNS
- REGULATORY & WARNING (CODE NO.)
- TRAFFIC SIGNALS
- SENIOR CENTERS
- SCHOOLS
- CHURCHES
- BLOCK ###
- SPEED STUDY LOCATION
- CRITICAL SPEED - 85%
- LOWER LIMIT OF 10mph PACE

2500 Modoc Road

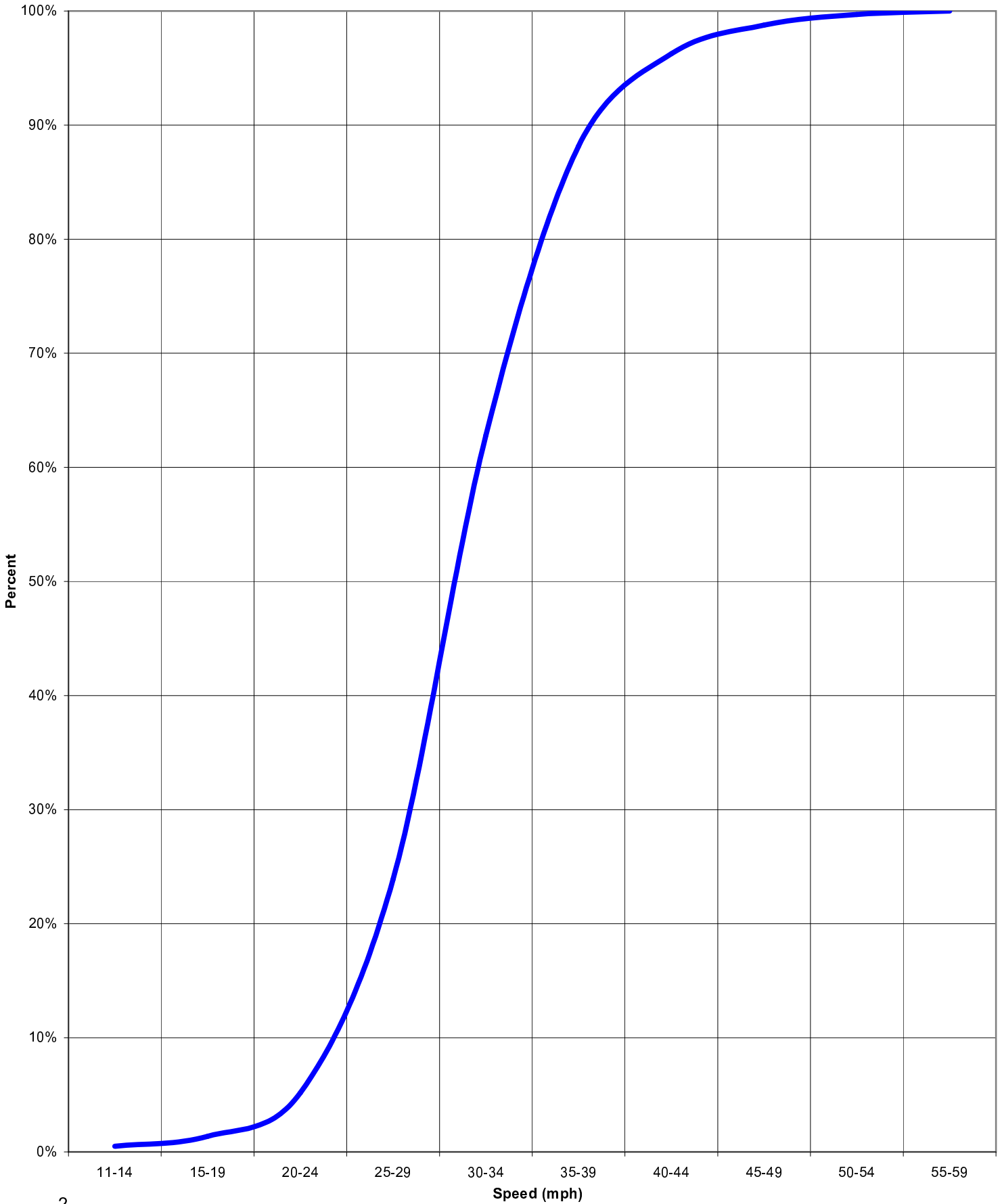
Detector Tube Study Speed Characteristics

Jan-11							
Posted Speed is 35 MPH							
1 (mph)	2 ui	3 fi	4 fiui	5 % class	6 cumulative %	7 fi*ui ²	8 f(ui-u) ²
Speed Range	Class Midvalue	Frequency					
11-14	12	83	996	0.5%	0.5%	11952	992016
15-19	17	142	2414	0.9%	1.4%	41038	5827396
20-24	22	635	13970	3.8%	5.2%	307340	195160900
25-29	27	3098	83646	18.7%	23.9%	2258442	6996653316
30-34	32	6456	206592	38.9%	62.8%	6610944	42680254464
35-39	37	4201	155437	25.3%	88.2%	5751169	24160660969
40-44	42	1341	56322	8.1%	96.3%	2365524	3172167684
45-49	47	416	19552	2.5%	98.8%	918944	382280704
50-54	52	155	8060	0.9%	99.7%	419120	64963600
55-59	56	50	2800	0.3%	100.0%	156800	7840000
		16,577	549,789			18,841,273.0	77,666,801,049.0
u=fiui/fi							
		Total Volume	85 Percentile	Mean	Standard Dev.	Median	Skewness Index
		16,577	38.0	33.2	6.1	32.3	1.10
10 mph Pace is				27	mph to		37
							mph
Study By John Rousseau							

2500 Modoc Road

Detector Tube Study

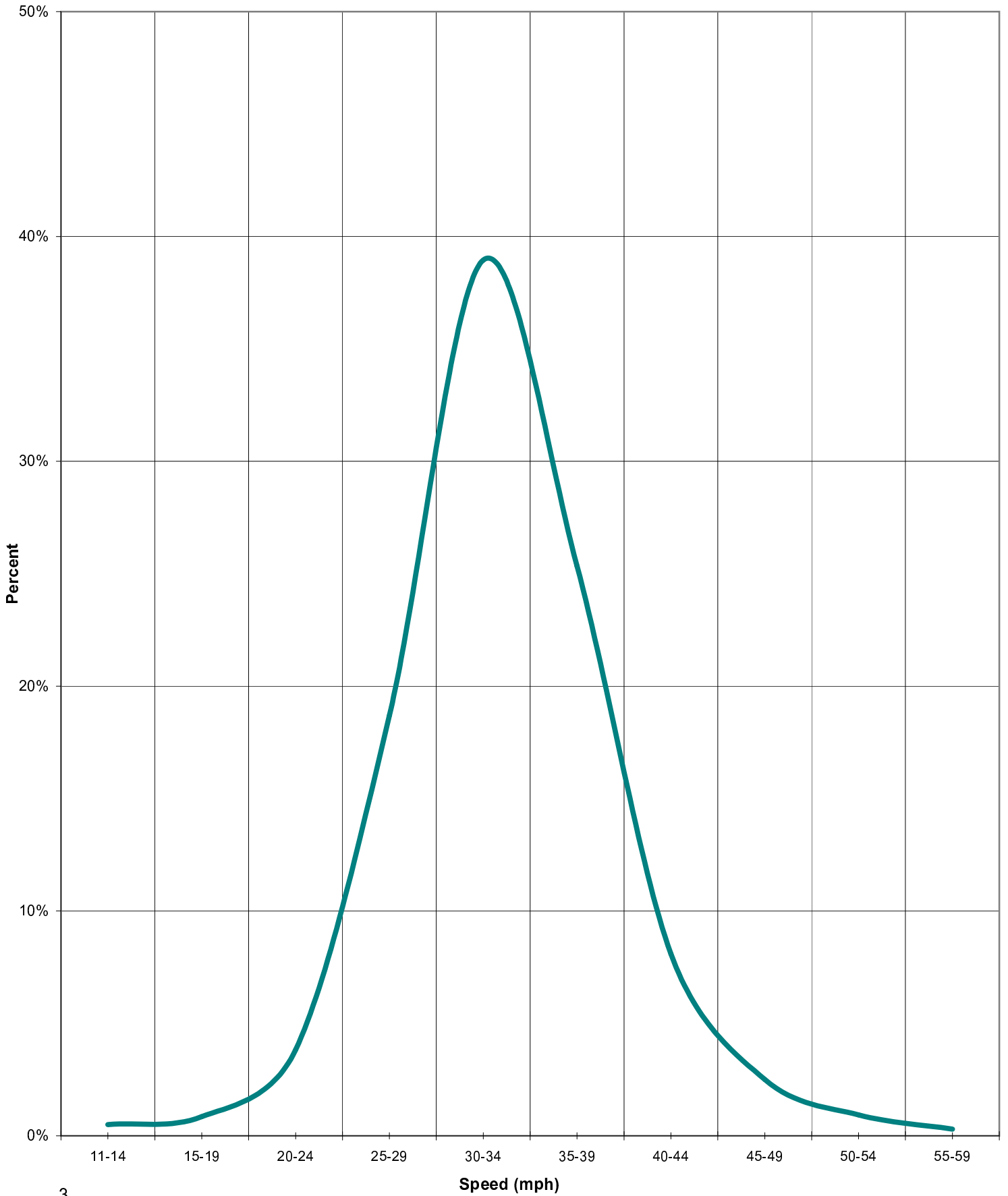
ACUM Chart



2500 Modoc Road

Detector Tube Study

Bell Chart



Description 1: Modoc Road 2500
 Description 2: Study By John Rousseau
 Description 3: C4 Jan 2011

Site:
 Tuesday, 1/25/2011, 12:00:00 AM -
 Thursday, 1/27/2011, 12:00:00 AM

Volume Grand Totals

Average Hourly Volumes			
	Northbound	Southbound	Combined
12:00 AM	6.5	8.5	15.0
1:00 AM	5.0	7.0	12.0
2:00 AM	1.5	2.5	4.0
3:00 AM	7.5	1.5	9.0
4:00 AM	11.5	5.0	16.5
5:00 AM	24.0	10.5	34.5
6:00 AM	74.0	33.5	107.5
7:00 AM	285.0	174.5	459.5
8:00 AM	296.0	236.5	532.5
9:00 AM	122.5	138.5	261.0
10:00 AM	114.5	116.5	231.0
11:00 AM	152.5	171.5	324.0
12:00 PM	153.5	180.5	334.0
1:00 PM	152.5	197.0	349.5
2:00 PM	203.0	235.5	438.5
3:00 PM	211.5	273.0	484.5
4:00 PM	200.5	315.5	516.0
5:00 PM	248.5	387.0	635.5
6:00 PM	151.0	197.0	348.0
7:00 PM	100.5	166.0	266.5
8:00 PM	98.5	111.5	210.0
9:00 PM	59.5	83.0	142.5
10:00 PM	37.5	47.5	85.0
11:00 PM	16.5	23.0	39.5
ADT	2733.5	3122.5	5856.0

Study Grand Totals			
	Northbound	Southbound	Combined
	5467	6245	11712
	46.7 %	53.3 %	

Modoc Road - From Las Positas to Mission - Speed Survey

STREET to STREET

Length in feet	4,000
Number of Collisions =	6
AADT	5,850
time period in years =	3
Segment Collision rate=	1.24

COLLISION SUMMARY SHEET								
Date	Speed Related	Primary Collision Factor	Head- On	Side swipe	Rear- End	Broadside	Other	Special Conditions
1 11/8/2007		wrong way driving 21650 VC	1					
2 5/27/2008	1	unsafe speed - 22350 VC			1			
3 8/9/2009		undetermined		1				
4 12/23/2007		unsafe turning - 22107 VC					1	
5 10/26/2008	1	unsafe speed - 22350 VC					1	
6 5/24/2007		DUI 23152 VC			1			
7 11/17/2007		DUI 23152 VC		1				
8 9/1/2007	1	DUI 23152 VC, unsafe speed - 22350 VC					1	
9 12/8/2008		DUI 23152 VC			1			
10 10/10/2009		UNKNOWN			1			
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22 TOTAL	50%		1	2	0	0	3	