



West Valerio Street

Traffic & Engineering Survey Summary

From / To	Gillespie Street to Westerly Cul-de-sac
FAU Classification	Collector
Width	36 Feet
Length	4250 Feet
Striping, Parking and Land Use	2 lane divided roadway (centerline), parallel parking, residential, nearby elementary school
Existing Posted Speed Limit	25 miles per hour (mph)
85th Percentile Speed	31 mph
Pace	23 mph to 33 mph
Average Daily Traffic	2895 Vehicles
Special Characteristics	Solid residential, high collision rate, pedestrian and bicyclist safety, school
Engineer's Determination of Speed Limit	25 miles per hour (mph)
Speed Survey Expiry Date:	March 3, 2021
Date Prepared	March 3, 2014

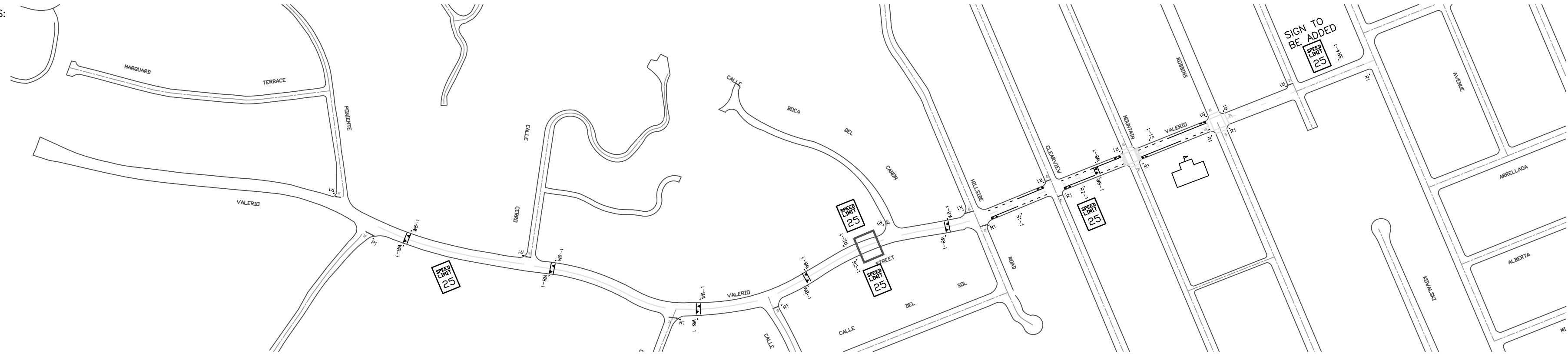
City of Santa Barbara
Derrick Bailey P.E., T.E.
Supervising Transportation Engineer
Registered Civil Engineer Number C 65726



ROADSIDE DEVELOPMENT

SOLID RESIDENTIAL

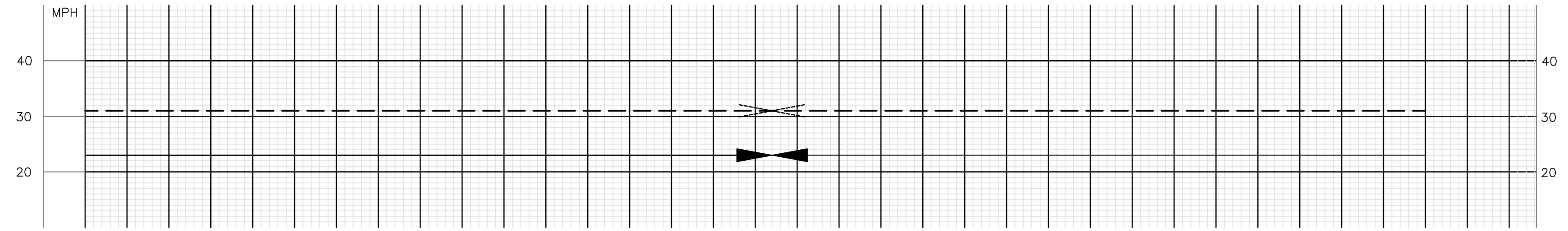
REMARKS:



ROADWAY WIDTH	36 Ft
AVERAGE DAILY TRAFFIC	2895 Vehicles
NO. OF STRIPED LANES	TWO (TWO-WAY TRAFFIC) PARKING BOTH SIDES
TYPE OF DIVISION STRIPE	YELLOW CENTERLINE
OBSERVED SPEED CRITICAL	31 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	23 to 33 MPH - OBSERVED 10MPH PACE
EXISTING SIGNED ZONE	25 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	25 MPH

DISTANCE IN FEET (1" = 250') 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

SEGMENT COLLISION RATE	2.351 acc/MVM
2009 DISTRICT 5 URBAN 2LN	(1.59 acc/MVM)
2009 STATEWIDE 3 yr 2LN	(1.42 acc/MVM)



CITY OF SANTA BARBARA



SPEED ZONE SURVEY
WEST VALERIO STREET

FROM WEST LIMIT OF VALERIO STREET
TO GILLESPE STREET

SCALE: 1" = 250'

DATE: Mar-3-2014

PREPARED BY: Behdad Gharagozli

LEGEND

- ROAD SIGNS
- REGULATORY & WARNING (CODE NO.)
- SPEED BUMPS
- SCHOOLS
- SPEED STUDY LOCATION
- CRITICAL SPEED - 85%
- LOWER LIMIT OF 10mph PACE



West Valerio Street

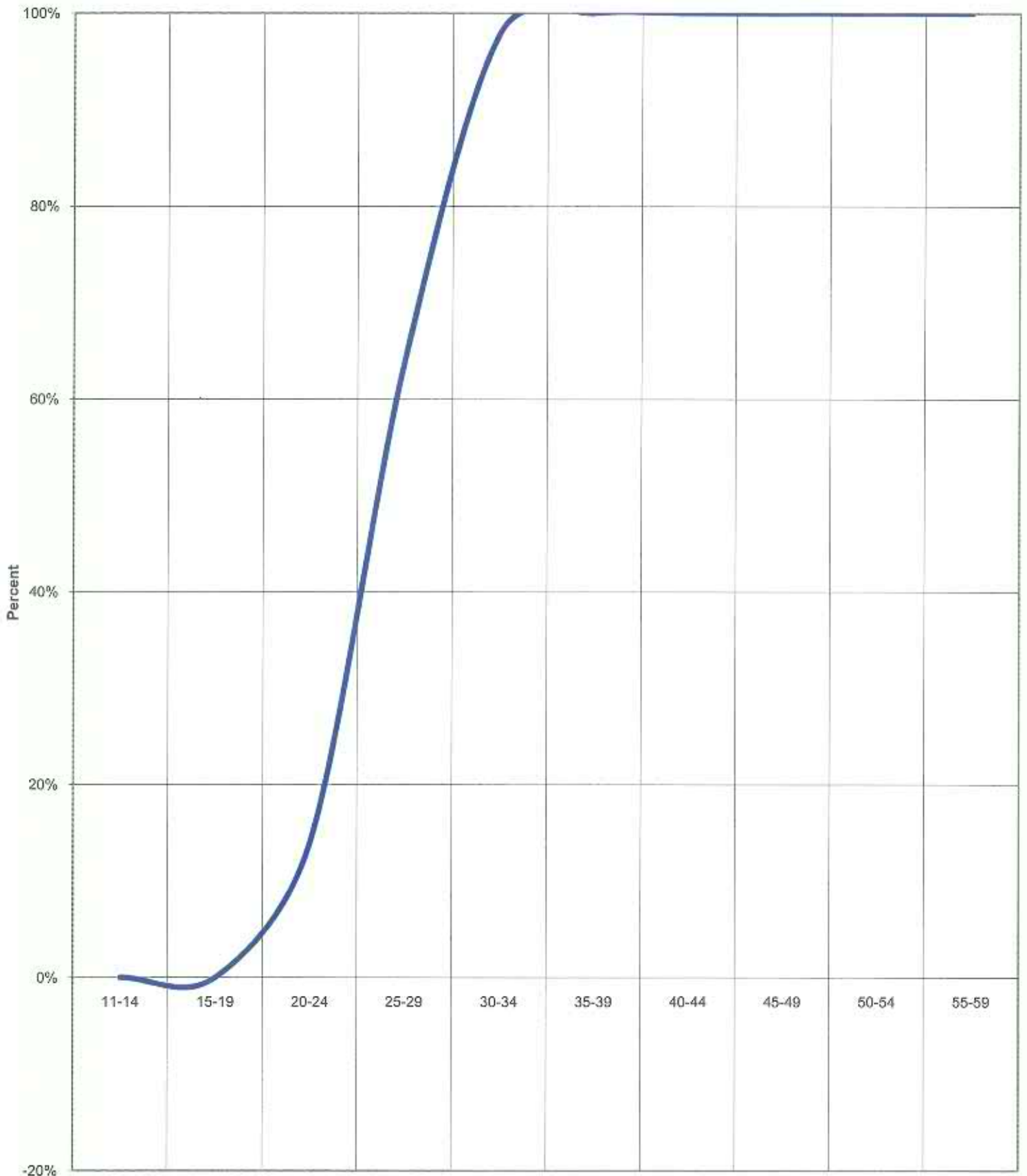
West Valerio Street							
March 3, 2014		Valerio - Robbins to Westerly cul-de-sac Both Directions				Posted Speed is 25 MPH	
1 (mph)	2 ui	3 fi	4 fiui	5 % class	6 cumulative %	7 f*ui^2	8 f(ui-u)^2
Speed Range	Class Midvalue	Frequency					
11-14	12	0	0	0.0%	0.0%	0	0
15-19	17	0	0	0.0%	0.0%	0	0
20-24	22	14	308	14.0%	14.0%	6776	94864
25-29	27	50	1350	50.0%	64.0%	36450	1822500
30-34	32	34	1088	34.0%	98.0%	34816	1183744
35-39	37	2	74	2.0%	100.0%	2738	5476
40-44	42	0	0	0.0%	100.0%	0	0
45-49	47	0	0	0.0%	100.0%	0	0
50-54	52	0	0	0.0%	100.0%	0	0
55-59	56	0	0	0.0%	100.0%	0	0
		100	2,820			80,780.0	3,106,584.0
u=fiui/fi							
Total Volume	85 Percentile	Mean	Standard Dev.	Median	Skewness Index		
100	31	28.2	3.6	26.9	1.16		
10 mph Pace		22 mph to		32 mph			

Prepared By J Rousseau

Street Name

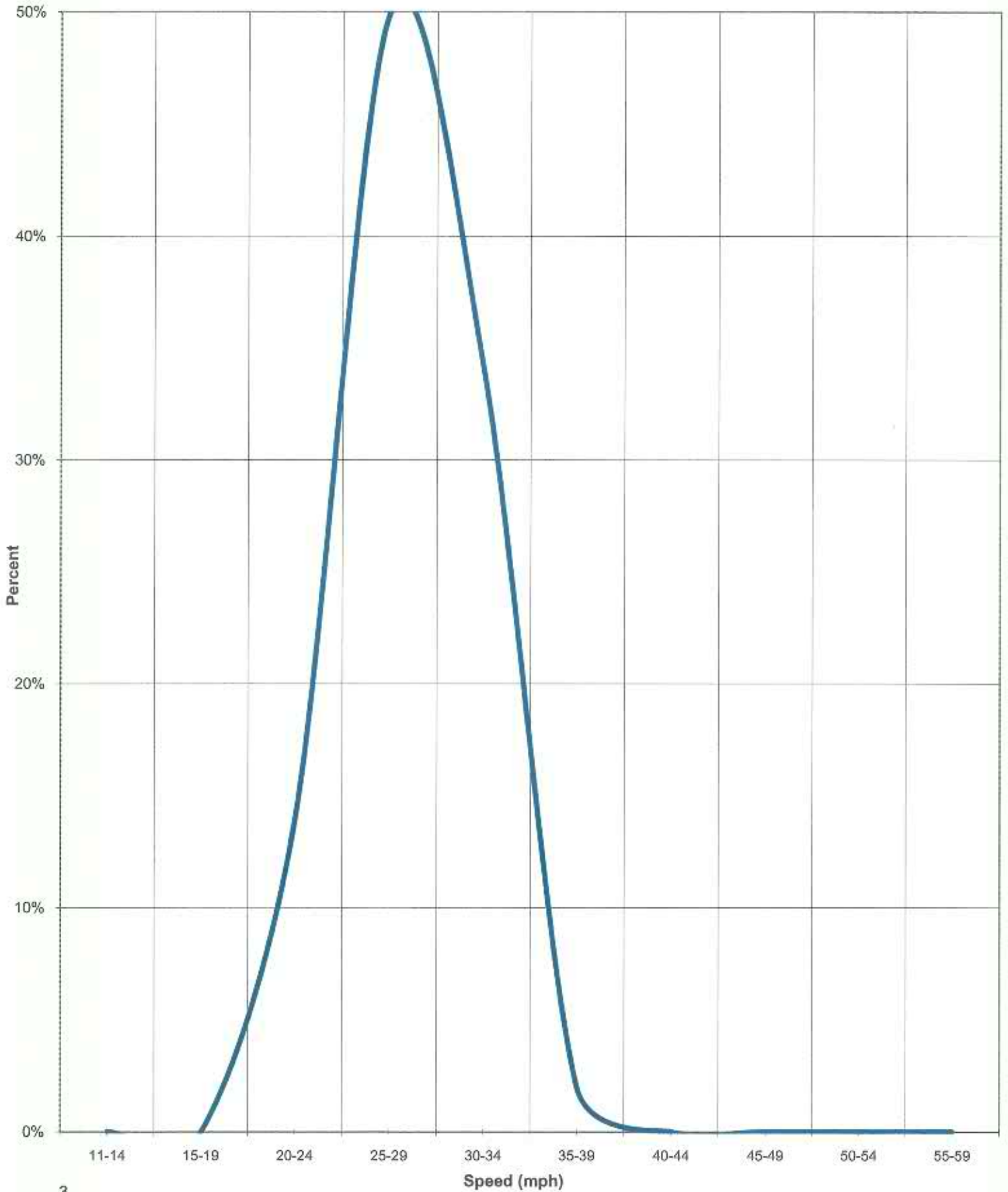
Valerio - Robbins to Westerly cul-de-sac

ACUM Chart



West Valerio Street

Valerio - Robbins to Westerly cul-de-sac
Bell Chart



Volume Grand Totals

Average Hourly Volumes			
	WB	EB	Combined
12:00 AM	9.5	12.0	21.5
1:00 AM	10.0	3.5	13.5
2:00 AM	5.0	5.5	10.5
3:00 AM	3.0	4.5	7.5
4:00 AM	2.0	1.5	3.5
5:00 AM	1.0	1.5	2.5
6:00 AM	5.5	5.0	10.5
7:00 AM	16.0	19.5	35.5
8:00 AM	63.5	93.0	156.5
9:00 AM	93.0	122.0	215.0
10:00 AM	76.0	89.5	165.5
11:00 AM	67.0	90.5	157.5
12:00 PM	77.0	94.0	171.0
1:00 PM	100.0	106.0	206.0
2:00 PM	92.5	96.5	189.0
3:00 PM	108.5	108.5	217.0
4:00 PM	101.5	105.5	207.0
5:00 PM	122.0	111.0	233.0
6:00 PM	163.5	134.0	297.5
7:00 PM	103.5	86.0	189.5
8:00 PM	63.0	74.0	137.0
9:00 PM	57.5	48.0	105.5
10:00 PM	47.0	37.0	84.0
11:00 PM	29.5	30.0	59.5
ADT	1417.0	1478.5	2895.5

Study Grand Totals			
	WB	EB	Combined
	2834	2957	5791
	48.9 %	51.1 %	

Valerio Street - Gilsepie to Westerly Cul de Sac

Segment length in feet	4,250	
Number of collisions =	4	See below.
AADT	2,895	
Time period in years =	2	01/01/2010-12/31/2011
Segment Collision rate =	2.35144	ACC/MVM
2009 District 5 Urban 3LN =	1.59	ACC/MVM
2009 Statewide 3 yr 3LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE
	1	4700596 VALERIO ST	MOUNTAIN AVE	5/6/2010	0	Not stated	Broadside
	2	4938206 VALERIO ST	HILLSIDE RD	9/23/2010	0	Not stated	Side swipe
	3	4979453 VALERIO ST	MOUNTAIN AVE	11/9/2010	75	West	Side swipe
	4	5371606 VALERIO ST	CALLE CERRO	10/5/2011	141	West	Head on

Speed Survey Field Sheet

	Speed Limit: <u>25 MPH</u>	Name: <u>W. VALERIO STREET</u>																								
	Direction: <u>EAST/WEST</u>	Address: <u>VALERIO/BOLA DEL CANON</u>																								
	Time: <u>10:00 AM</u>	Area of Roadway Studied: _____																								
	Date: <u>2/27/2014</u>																									
	Weather: <u>CLEAR/DRY</u>																									
Speed	Number of Vehicles																									
	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	
75																										
70																										
65																										
60																										
55																										
50																										
45																										
40																										
	X																									
35	X																									
	X	X	X	X	X	X	X																			
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15																										