



## East Anapamu Street

### Engineering & Traffic Survey (E&TS) Summary

<b>From / To</b>	Santa Barbara Street to Milpas Street
<b>FAU Classification</b>	Minor Collector
<b>Width</b>	36 Feet
<b>Length</b>	3,500 Feet
<b>Striping, Parking and Land Use</b>	Single dashed yellow centerline and partial solid centerline, school hour bike lanes, parking on both sides of the streets. Business, residential, school, senior center and a church
<b>Existing Posted Speed Limit</b>	30 miles per hour (mph)
<b>85th Percentile Speed</b>	31 mph
<b>Pace</b>	24 to 34 mph
<b>Average Daily Traffic</b>	9,612
<b>Engineer's Determination of Speed Limit</b>	<u>30 mph</u>
<b>Justification</b>	85 <sup>th</sup> percentile speed
<b>Speed Survey Expiry Date</b>	10/16/2022
<b>Date prepared</b>	10/16/2015

City of Santa Barbara  
Behdad Gharagozli, P.E.  
Project Engineer II  
Registered Civil Engineer Number C 82051

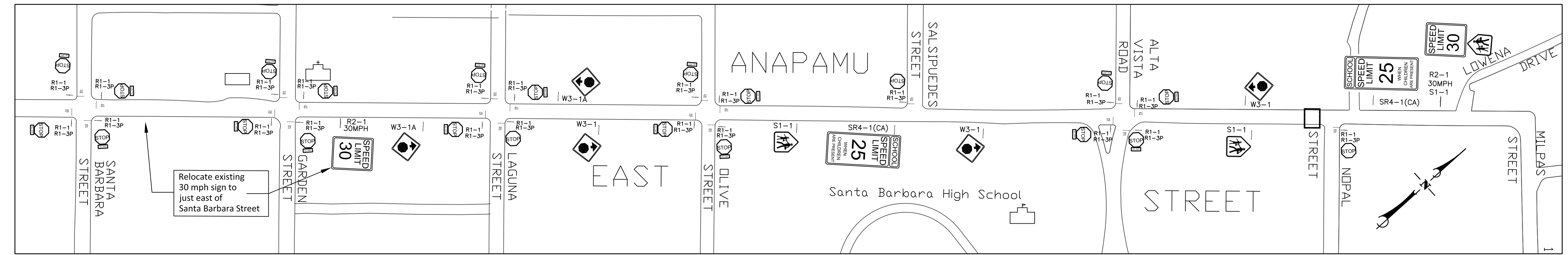


GRADIENT  
ROADSIDE DEVELOPMENT  
REMARKS:

SENIOR CENTER/CHURCH/RESIDENTIAL

SCHOOL/RESIDENTIAL

RESIDENTIAL/BUSINESS



CITY OF SANTA BARBARA



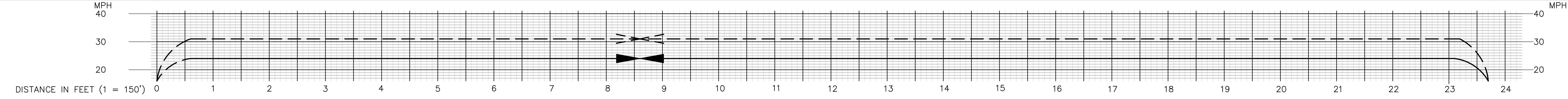
**SPEED ZONE SURVEY**  
**East Anapamu Street**

FROM \_\_\_\_\_ Santa Barbara Street  
TO \_\_\_\_\_ North Milpas Street  
SCALE: \_\_\_\_\_ SCALE - 1" = 150'  
DATE: \_\_\_\_\_ September 30, 2015  
PREPARED BY: \_\_\_\_\_ J.Rousseau

**LEGEND**

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

ROADWAY WIDTH	36 FEET
AVERAGE DAILY TRAFFIC	9612
NO. OF STRIPED LANES	TWO LANES - BIKE LANES - PARKING ON BOTH SIDES
TYPE OF DIVISION STRIPE	SINGLE DASHED YELLOW CENTERLINE/PARTIAL SOLID CENTERLINE
OBSERVED SPEED CRITICAL	31 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	24 to 34 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH



SEGMENT COLLISION RATE	1.93 acc/MVM
2009 DISTRICT 5 URBAN 3LN	(1.59 acc/MVM)
2009 DISTRICT 3 yr 3LN	(1.42 acc/MVM)

## VEHICLE SPEED SURVEY SHEET

Location:                                 Anapamu St @ Nopal St                                      Date:           October 5, 2015            
 Weather:           Clear/Dry                Posted Speed:           30                Recorded By:           BG            
 Start Time:           1:00 PM                End Time:           1:45 PM                Checked By:           JR          

MPH	Number of Vehicles																		Total	Cumulative Total					
				5				10				15				20					25			30	
59																							0		
58																								0	
57																								0	
56																								0	
55																								0	
54																								0	
53																								0	
52																								0	
51																								0	
50																								0	
49																								0	
48																								0	
47																								0	
46																								0	
45																								0	
44																								0	
43																								0	
42																								0	
41																								0	
40																								0	
39																								0	
38																								0	
37																								0	
36																								0	
35		X	X																					2	100
34		X																						1	98
33		X	X																					2	97
32		X	X	X	X	X	X																	6	95
31		X	X	X	X	X	X																	6	89
30		X	X	X	X	X	X	X	X	X														10	83
29		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								17	73
28		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						11	56
27		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					18	45
26		X	X	X	X	X	X	X	X	X														10	27
25		X	X	X	X	X	X	X	X	X														9	17
24		X	X	X	X	X	X																	6	8
23		X	X																					2	2
22																								0	
21																								0	
20																								0	
19																								0	
18																								0	
17																								0	
16																								0	
15																								0	

### 85th Percentile Calculation

Step 1: Number of Free Flowing Vehicles: 100  
 Step 2: Determine 85th percentile vehicle: Total number of cars (Step 1) times 0.85: 85  
 Step 3: # to count up (step 2 rounded to nearest whole number if decimal): 85

**85th Percentile Speed** 31 mph     
 **Average Speed** 28.1 mph     
 **10 MPH Pace Speed** 24 to 34 mph

## Anapamu Street

Santa Barbara St to Milpas St

2012-2013

Segment length in feet	3,500	
Number of collisions =	9	
AADT	9,612	
Time period in years =	2	
<b>Segment Collision Rate =</b>	<b>1.93</b>	ACC/MVM
2009 District 5 Urban 2 and 3LN =	1.59	ACC/MVM
2009 Statewide 3 yr, 2 and 3 LN =	1.42	ACC/MVM

<u>CASE ID</u>	<u>STREET 1</u>	<u>STREET 2</u>	<u>Date</u>	<u>Distance From Intersection</u>	<u>Direction From Intersection</u>
5604102	ANAPAMU ST	MILPAS ST	4/27/2012	144	West
5544336	LAGUNA ST	ANAPAMU ST	3/27/2012	0	Not stated
6311162	ANAPAMU ST	LAGUNA ST	11/1/2013	0	Not stated
5487307	GARDEN ST	ANAPAMU ST	1/28/2012	0	Not stated
5532097	GARDEN ST	ANAPAMU ST	2/8/2012	0	Not stated
6057191	GARDEN ST	ANAPAMU ST	4/25/2013	9	South
6155954	GARDEN ST	ANAPAMU ST	7/6/2013	0	Not stated
5665984	SANTA BARBARA ST	ANAPAMU ST	5/11/2012	0	Not stated
6024662	SANTA BARBARA ST	ANAPAMU ST	4/2/2013	0	Not stated

# Average Daily Traffic Volumes

## Quality Traffic Data, LLC

QTD PROJ/LOC #:	2015140 - 004	GPS COORDINATES:	0
ON STREET:	Anapamu Street	START DATE:	Thursday, April 02, 2015
CROSS STREETS:	East of Laguna Street	VICINITY:	Santa Barbara, CA

AM COUNTS					PM COUNTS						
NB	SB	EB	WB		NB	SB	EB	WB			
00:00		6	3		12:00		86	77			
00:15		3	5		12:15		95	85			
00:30		4	4		12:30		82	89			
00:45		4	17	2	14	31	81	344	92	343	687
01:00		2	1		13:00		88	105			
01:15		3	7		13:15		82	74			
01:30		1	1		13:30		84	72			
01:45		2	8	1	10	18	87	341	94	345	686
02:00		1	1		14:00		91	75			
02:15		2	0		14:15		86	91			
02:30		0	2		14:30		105	104			
02:45		2	5	1	4	9	109	391	103	373	764
03:00		2	1		15:00		94	103			
03:15		1	1		15:15		95	107			
03:30		1	1		15:30		104	117			
03:45		4	8	1	4	12	94	387	85	412	799
04:00		3	1		16:00		105	104			
04:15		2	0		16:15		100	113			
04:30		4	4		16:30		123	115			
04:45		6	15	1	6	21	124	452	105	437	889
05:00		9	4		17:00		166	98			
05:15		15	3		17:15		115	100			
05:30		23	9		17:30		112	99			
05:45		25	72	4	20	92	78	471	111	408	879
06:00		27	18		18:00		60	75			
06:15		38	20		18:15		51	81			
06:30		48	24		18:30		58	62			
06:45		68	181	49	111	292	48	217	53	271	488
07:00		65	48		19:00		43	45			
07:15		104	47		19:15		31	40			
07:30		97	91		19:30		27	37			
07:45		138	404	136	322	726	40	141	44	166	307
08:00		127	122		20:00		30	37			
08:15		83	101		20:15		23	29			
08:30		69	79		20:30		26	31			
08:45		77	356	71	373	729	31	110	31	128	238
09:00		72	57		21:00		18	28			
09:15		62	55		21:15		26	23			
09:30		62	48		21:30		13	26			
09:45		75	271	65	225	496	14	71	23	100	171
10:00		69	50		22:00		9	13			
10:15		72	53		22:15		11	11			
10:30		75	77		22:30		6	9			
10:45		77	293	60	240	533	9	35	8	41	76
11:00		75	76		23:00		6	10			
11:15		82	81		23:15		5	8			
11:30		94	68		23:30		4	3			
11:45		84	335	70	295	630	0	15	3	24	39
TOTALS:		1965	1624	3589	TOTALS:		2975	3048	6023		

SPLIT	54.8%	45.2%	37.3%	SPLIT	49.4%	50.6%	62.7%
PEAK HOUR	07:15	07:30	07:30	PEAK HOUR	16:30	16:00	16:30
PH VOLUME	466	450	895	PH VOLUME	528	437	946
PHF	0.84	0.83	0.82	PHF	0.80	0.95	0.90

DAY'S TOTAL				
NB	SB	EB	WB	TOTAL
		4940	4672	9612



### QUALITY TRAFFIC DATA, LLC

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