



# Bath Street

## Traffic & Engineering Survey Summary

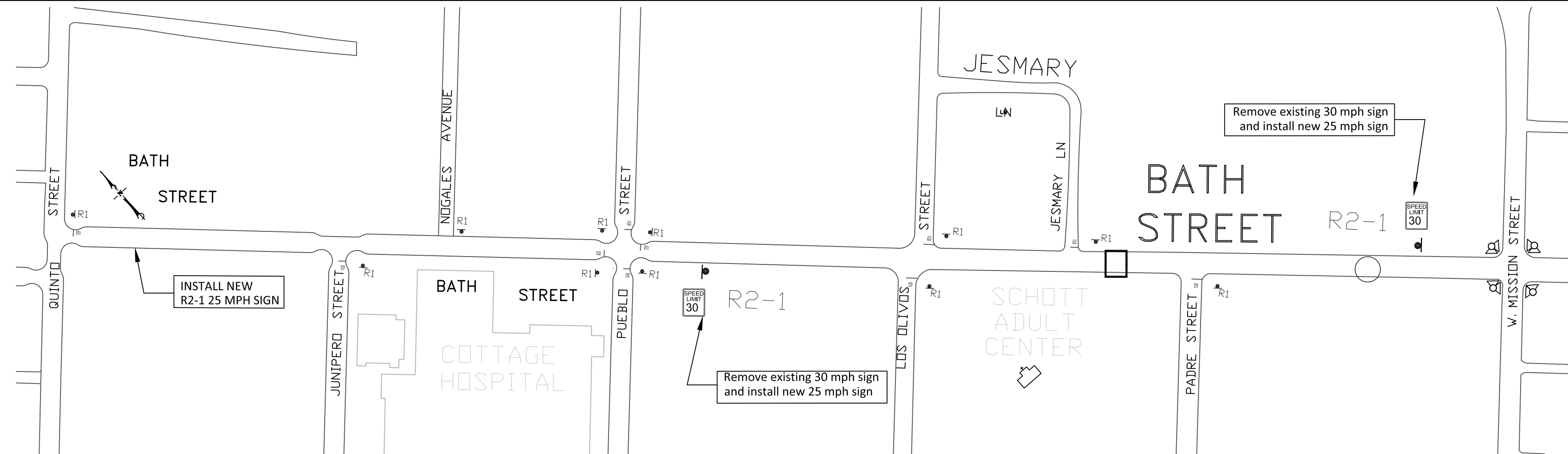
From / To	W. Mission Street to W. Quinto Street
FAU Classification	Collector
Width	36 Feet
Length	2,600 Feet
Striping, Parking and Land Use	No Striping, parking on both sides. Business, residential, school and hospital
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	29 mph
Pace	21 to 31 mph
Average Daily Traffic	5,781
Special Characteristics	Pedestrian Safety
Engineer's Determination of Speed Limit	25 miles per hour (mph)
Speed Survey Expiry Date:	6/1/2021
Date prepared	6/1/2014 JR/BG

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

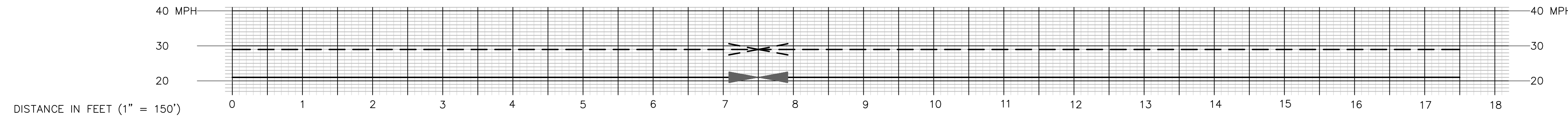


10.20.14

GRADIENT  
 ROADSIDE DEVELOPMENT HOSPITAL – BUSINESS – RESIDENTIAL SCHOOL – RESIDENTIAL  
 REMARKS:



ROADWAY WIDTH	36 FEET
AVERAGE DAILY TRAFFIC	5,781
NO. OF STRIPED LANES	TWO LANES – PARKING ON BOTH SIDE
TYPE OF DIVISION STRIPE	NO STRIPING
OBSERVED SPEED CRITICAL	29 MPH – OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	21 to 31 MPH – OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH – EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	25 MPH



SEGMENT COLLISION RATE	1.28 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  
**Bath Street**

FROM \_\_\_\_\_ West Mission Street  
 TO \_\_\_\_\_ Quinto Street  
 SCALE: \_\_\_\_\_ 1" = 150'  
 DATE: \_\_\_\_\_ June 1, 2014  
 PREPARED BY: \_\_\_\_\_ JR/BG

LEGEND

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

City of Santa Barbara  
 Bath Street  
 N/ Padre Street  
 24 Hour Directional Speed Survey  
 Northbound

SBA005S  
 Site Code: 213-13381  
 Date Start: 09-Oct-13  
 Date End: 09-Oct-13

Start Time	0 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	Total
10/09/13	0	3	5	2	2	1	1	0	0	0	0	0	0	14
01:00	0	0	0	3	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
03:00	0	2	3	2	0	0	0	0	0	0	0	0	0	7
04:00	0	0	2	1	0	0	0	0	0	0	0	0	0	3
05:00	4	2	4	7	5	4	2	0	0	0	0	0	0	28
06:00	2	12	35	36	12	2	0	0	0	0	0	0	0	99
07:00	5	16	61	49	16	0	0	0	0	0	0	0	0	147
08:00	26	52	100	54	11	2	1	0	0	0	0	0	0	246
09:00	39	53	78	47	7	1	0	0	0	0	0	0	0	225
10:00	20	44	61	55	13	0	0	0	0	0	0	0	0	193
11:00	31	41	70	52	8	0	0	0	0	0	0	0	0	202
12 PM	41	45	78	38	10	1	0	1	0	0	0	0	0	214
13:00	17	55	98	45	13	0	0	0	0	0	0	0	0	228
14:00	17	41	77	42	5	0	0	0	0	0	0	0	0	182
15:00	11	30	79	55	3	0	0	0	0	0	0	0	0	178
16:00	17	45	69	55	6	0	1	0	0	0	1	0	0	194
17:00	40	44	82	43	12	1	0	1	0	0	0	0	0	223
18:00	8	36	51	44	10	3	0	0	0	0	0	0	0	152
19:00	7	10	17	7	3	1	0	0	0	0	0	0	0	45
20:00	9	11	29	26	4	2	0	0	0	0	0	0	0	81
21:00	4	9	19	14	3	0	0	0	0	0	0	0	0	49
22:00	1	7	15	21	2	1	0	0	0	0	0	0	0	47
23:00	2	2	5	11	5	1	0	0	0	0	0	0	0	26
Total	301	560	1039	710	150	20	5	2	0	0	1	0	0	2788
Total	301	560	1039	710	150	20	5	2	0	0	1	0	0	2788

15th Percentile : 17 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Statistics  
 Mean Speed(Average) : 22 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 1749  
 Percent in Pace : 62.7%  
 Number of Vehicles > 55 MPH : 1  
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara  
 Bath Street  
 N/ Padre Street  
 24 Hour Directional Speed Survey  
 Southbound

SBA005S  
 Site Code: 213-13381  
 Date Start: 09-Oct-13  
 Date End: 09-Oct-13

Start Time	0	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	Total
10/09/13	1	1	1	5	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	
01:00	0	2	3	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
02:00	0	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
03:00	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
04:00	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
05:00	0	3	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
06:00	2	6	11	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	
07:00	10	13	26	33	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86	
08:00	13	19	35	20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	
09:00	19	34	44	28	3	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	
10:00	20	35	47	43	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151	
11:00	29	52	69	34	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190	
12 PM	28	55	39	35	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160	
13:00	18	28	59	34	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	151	
14:00	24	46	68	45	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	194	
15:00	25	38	59	59	14	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	200	
16:00	24	41	81	64	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218	
17:00	22	22	54	50	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169	
18:00	10	22	34	43	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	
19:00	12	17	12	18	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	
20:00	13	17	23	18	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76	
21:00	16	24	22	20	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	
22:00	3	3	8	12	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
23:00	4	2	8	11	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	
Total	293	480	713	598	122	32	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2243	
Total	293	480	713	598	122	32	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2243	

15th Percentile : 16 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Statistics  
 Mean Speed(Average) : 22 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 1311  
 Percent in Pace : 58.4%  
 Number of Vehicles > 55 MPH : 1  
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara  
 Bath Street  
 N/ Padre Street  
 24 Hour Directional Speed Survey  
 Northbound, Southbound

SBA005S  
 Site Code: 213-13381  
 Date Start: 09-Oct-13  
 Date End: 09-Oct-13

Start Time	0	16	21	26	31	36	41	46	51	56	61	66	71	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75	
10/09/13	1	4	10	9	6	4	1	0	0	0	0	0	0	35
01:00	0	2	3	7	1	1	0	0	0	0	0	0	0	14
02:00	0	0	4	4	1	0	0	0	0	0	0	0	0	9
03:00	0	2	4	4	1	1	0	0	0	0	0	0	0	12
04:00	0	0	3	4	2	0	0	0	0	0	0	0	0	9
05:00	4	5	5	10	7	4	2	0	0	0	0	0	0	37
06:00	4	18	46	45	15	3	0	0	0	0	0	0	0	131
07:00	15	29	87	82	17	3	0	0	0	0	0	0	0	233
08:00	39	71	135	74	16	2	1	0	0	0	0	0	0	338
09:00	58	87	122	75	10	2	1	0	1	0	0	0	0	356
10:00	40	79	108	98	17	1	0	1	0	0	0	0	0	344
11:00	60	93	139	86	12	2	0	0	0	0	0	0	0	392
12 PM	69	100	117	73	12	2	0	1	0	0	0	0	0	374
13:00	35	83	157	79	24	1	0	0	0	0	0	0	0	379
14:00	41	87	145	87	15	1	0	0	0	0	0	0	0	376
15:00	36	68	138	114	17	4	0	0	0	1	0	0	0	378
16:00	41	86	150	119	13	1	1	0	0	0	1	0	0	412
17:00	62	66	136	93	29	5	0	1	0	0	0	0	0	392
18:00	18	58	85	87	18	3	0	0	0	0	0	0	0	269
19:00	19	27	29	25	6	2	1	0	0	0	0	0	0	109
20:00	22	28	52	44	9	2	0	0	0	0	0	0	0	157
21:00	20	33	41	34	8	2	0	0	0	0	0	0	0	138
22:00	4	10	23	33	6	4	0	0	0	0	0	0	0	80
23:00	6	4	13	22	10	2	0	0	0	0	0	0	0	57
Total	594	1040	1752	1308	272	52	7	3	1	1	1	0	0	5031
Total	594	1040	1752	1308	272	52	7	3	1	1	1	0	0	5031

15th Percentile : 16 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Statistics  
 Mean Speed(Average) : 22 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 3060  
 Percent in Pace : 60.8%  
 Number of Vehicles > 55 MPH : 2  
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara  
 Bath Street  
 N/ Mission Street  
 24 Hour Directional Volume Count

SBA008  
 Site Code: 213-13381  
 Date Start: 09-Oct-13  
 Date End: 09-Oct-13

Start Time	09-Oct-13 Wed	Northbound		Hour Totals		Southbound		Hour Totals		Combined Totals	
		Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		5	52			8	46				
12:15		3	54			6	58				
12:30		4	75			2	38				
12:45		2	67	14	248	2	41	18	183	32	431
01:00		1	68			4	42				
01:15		1	64			3	56				
01:30		0	48			3	44				
01:45		1	52	3	232	3	46	13	188	16	420
02:00		3	51			1	35				
02:15		0	44			1	49				
02:30		0	51			0	43				
02:45		0	50	3	196	3	61	5	188	8	384
03:00		2	65			2	53				
03:15		1	50			0	52				
03:30		1	51			4	46				
03:45		3	53	7	219	1	65	7	216	14	435
04:00		0	53			0	73				
04:15		0	47			2	50				
04:30		2	54			5	65				
04:45		2	56	4	210	2	59	9	247	13	457
05:00		3	79			2	62				
05:15		3	71			3	40				
05:30		6	55			3	46				
05:45		22	57	34	262	4	40	12	188	46	450
06:00		13	44			4	31				
06:15		21	37			6	30				
06:30		30	38			15	31				
06:45		40	32	104	151	11	30	36	122	140	273
07:00		32	33			20	48				
07:15		38	44			28	52				
07:30		52	46			37	31				
07:45		60	22	182	145	41	19	126	150	308	295
08:00		65	30			24	36				
08:15		63	24			28	13				
08:30		72	24			28	19				
08:45		91	14	291	92	22	13	102	81	393	173
09:00		71	15			37	22				
09:15		71	13			32	18				
09:30		64	14			30	32				
09:45		49	14	255	56	33	12	132	84	387	140
10:00		56	13			38	8				
10:15		43	16			46	6				
10:30		47	7			40	12				
10:45		59	12	205	48	37	7	161	33	366	81
11:00		50	15			55	7				
11:15		55	4			43	6				
11:30		65	4			68	11				
11:45		50	3	220	26	78	5	244	29	464	55
Total		1322	1885	1322	1885	865	1709	865	1709	2187	3594
Combined Total		3207		3207		2574		2574		5781	
AM Peak		08:30				11:00					
Vol.		305				244					
P.H.F.		0.838				0.782					
PM Peak		00:30				03:45					
Vol.		274				253					
P.H.F.		0.913				0.866					
Percentage		41.2%	58.8%			33.6%	66.4%				
ADT/AADT		ADT 5,781		AADT 5,781							

## Bath Street

Mission TO Quinto

Segment length in feet	2,600	
Number of collisions =	4	See below.
AADT	5,781	
Time period in years =	3	01/01/2010-12/31/2012
<b>Segment Collision rate =</b>	<b><u>1.28323</u></b>	ACC/MVM
2009 District 5 Urban 2LN =	1.59	ACC/MVM
2009 Statewide 3 yr 2LN =	1.42	ACC/MVM

CASE ID	STREET 1	STREET 2	DATE	DIR FROM INT	DISTANCE	COLL TYPE
5124346	BATH ST	MISSION ST	3/10/2011	North	50	Side swipe
5266077	BATH ST	QUINTO ST	7/13/2011	West	6	Broadside
5615966	BATH ST	PUEBLO ST	5/6/2012	Not stated	0	Head on
5616155	BATH ST	PUEBLO ST	5/7/2012	Not stated	0	Head on