



Castillo Street

Traffic & Engineering Survey Summary

From / To	Cabrillo Blvd to Cota Street
Classification	Principal Arterial
Width	36 – 50 Feet
Length	3,035 Feet
Striping, Parking and Land Use	Yellow centerline, varying parking/bicycle lanes, business/residential.
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	32 mph
Pace	21 to 30 mph
Average Daily Traffic	7,112
Special Characteristics	
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date:	06/1/2021
Date prepared	06/1/2014 JR/BG

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



9.10.14



Castillo Street

Traffic & Engineering Survey Summary

From / To	W. Cota Street to W. Mission Street
Classification	Collector
Width	38 Feet
Length	7,160 Feet
Striping, Parking and Land Use	Bike lane line, edge line, parking on both sides, residential
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	31 mph
Pace	21 to 31 mph
Average Daily Traffic	3,699
Special Characteristics	
Engineer's Determination of Speed Limit	30 mph
Speed Survey Expiry Date:	06/1/2021
Date prepared	06/1/2014 JR/BG

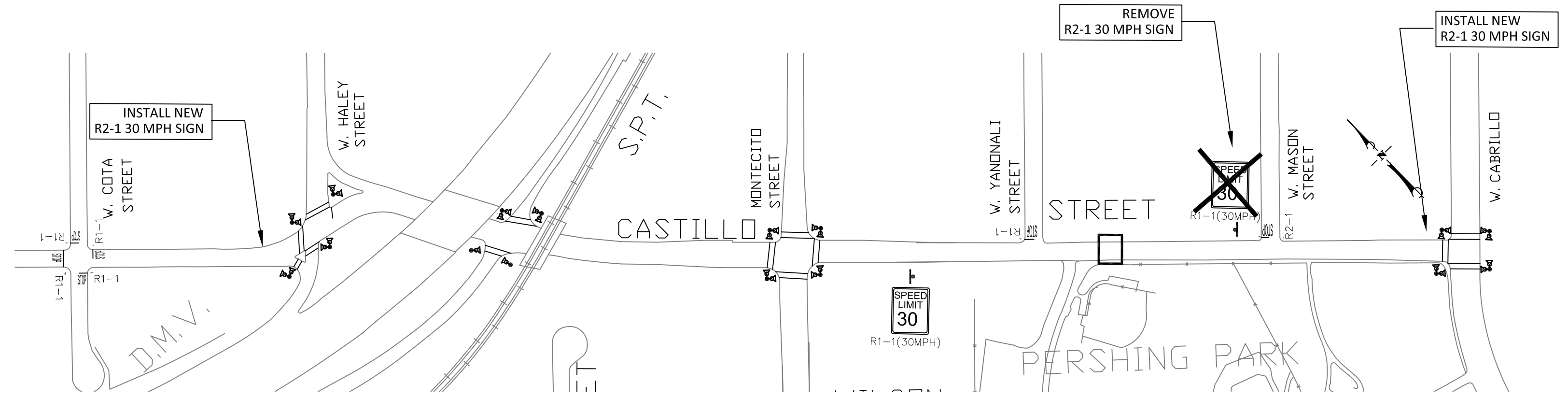
City of Santa Barbara
Derrick Bailey P.E., T.E.
Supervising Transportation Engineer
Registered Civil Engineer Number C 65726



GRADIENT
ROADSIDE DEVELOPMENT

BUSINESS/RESIDENTIAL

BUSINESS - HOTEL - RESIDENTIAL



CITY OF SANTA BARBARA



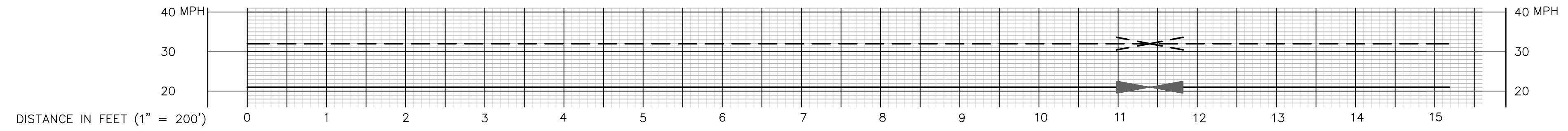
SPEED ZONE SURVEY
Castillo Street

FROM W. Cabrillo Boulevard
TO W. Cota Street
SCALE: 1" = 200'
DATE: June 1, 2014
PREPARED BY: JR/BG

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'-50'
AVERAGE DAILY TRAFFIC	7,112 VEHICLES
NO. OF STRIPED LANES	ONE-TWO LANES WITH VARYING PARKING/BICYCLE LANES
TYPE OF DIVISION STRIPE	YELLOW CENTERLINE
OBSERVED SPEED CRITICAL	32 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	21 to 30 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH

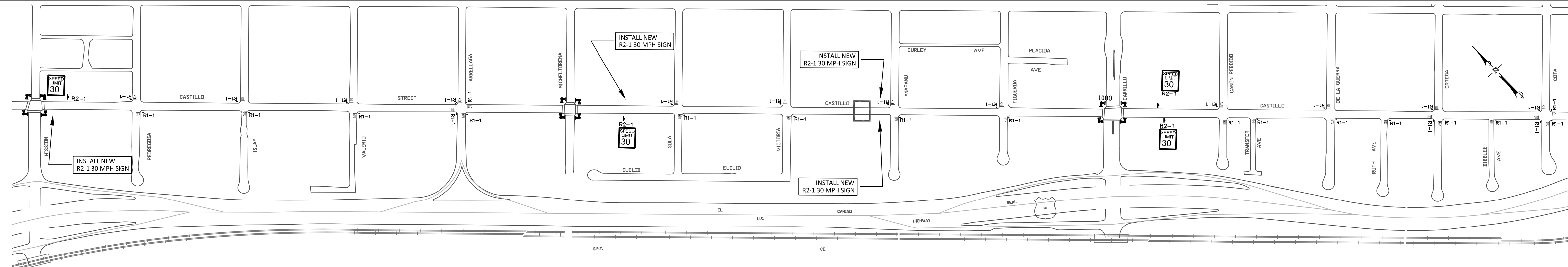


SEGMENT COLLISION RATE	2.68 acc/MVM
2009 DISTRICT 5 URBAN 2LN	(1.59 acc/MVM)
2009 STATEWIDE 3 yr 2LN	(1.42 acc/MVM)

ROADSIDE DEVELOPMENT

RESIDENTIAL

REMARKS:



CITY OF SANTA BARBARA



SPEED ZONE SURVEY
CASTILLO STREET

FROM MISSION STREET

TO COTA STREET

SCALE: 1" = 300'

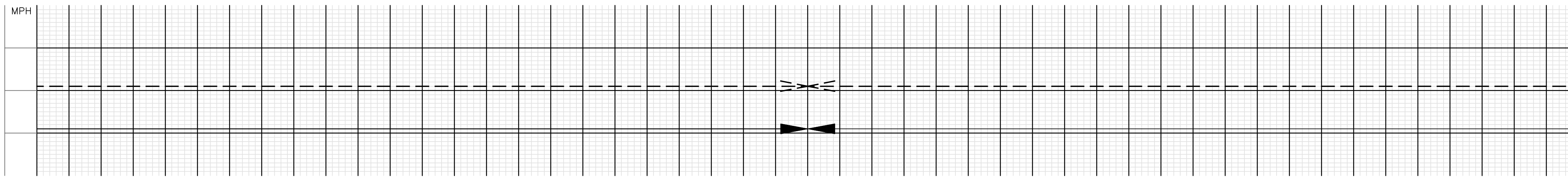
DATE: June 1, 2014

PREPARED BY: JR/BG

ROADWAY WIDTH	38'
AVERAGE DAILY TRAFFIC	3699 Vehicles
NO. OF STRIPED LANES	ONE (ONE-WAY TRAFFIC) PARKING BOTH SIDES/BICYCLE LANE
TYPE OF DIVISION STRIPE	NONE
OBSERVED SPEED CRITICAL	31 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE	21 to 30 MPH - OBSERVED 10mph PACE
EXISTING SIGNED ZONE	30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT	30 MPH

LEGEND

- ROAD SIGNS REGULATORY (CODE NO.)
- TRAFFIC SIGNALS
- SPEED STUDY LOCATION
- CRITICAL SPEED - 85%
- LOWER LIMIT OF 10mph PACE



DISTANCE IN FEET (1" = 300') 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

SEGMENT COLLISION RATE	4.37 acc/MVM
2009 DISTRICT 5 URBAN 2LN	(1.59 acc/MVM)
2009 STATEWIDE 3 yr 2LN	(1.42 acc/MVM)

City of Santa Barbara
 Castillo Street
 N/ Mason Street
 24 Hour Directional Speed Survey
 Northbound

SBA001S
 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	3	4	7	9	1	0	0	0	0	0	0	0	25
01:00	1	1	2	2	1	0	0	0	0	0	0	0	0	7
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	2	1	1	0	1	0	0	0	0	0	0	0	5
04:00	0	2	1	2	0	0	0	0	0	0	0	0	0	5
05:00	2	3	3	9	3	0	0	0	0	0	0	0	0	20
06:00	1	6	9	15	4	2	0	0	0	0	0	0	0	37
07:00	2	10	49	59	26	1	0	0	0	0	0	0	0	147
08:00	1	13	46	93	27	1	0	0	0	0	0	0	0	181
09:00	6	19	40	42	13	1	0	0	0	0	0	0	0	121
10:00	4	26	84	55	14	4	0	0	0	0	0	0	0	187
11:00	4	28	73	64	31	2	0	0	0	0	0	0	0	202
12 PM	14	29	112	97	25	2	0	0	0	0	0	0	0	279
13:00	10	14	73	117	24	4	1	0	0	0	0	0	0	243
14:00	7	29	109	114	36	3	0	0	0	0	0	0	0	298
15:00	4	24	94	112	31	3	1	0	0	0	0	0	0	269
16:00	6	16	60	93	34	11	1	0	0	0	0	0	0	221
17:00	5	28	86	113	33	2	1	0	1	0	0	0	0	269
18:00	9	27	116	78	19	3	0	0	0	0	0	0	0	252
19:00	15	28	99	83	15	2	0	0	0	0	0	0	0	242
20:00	9	10	87	84	19	1	0	0	0	0	0	0	0	210
21:00	4	19	44	64	23	6	0	0	0	0	0	0	0	160
22:00	3	6	20	34	11	2	0	0	0	0	0	0	0	76
23:00	1	3	16	15	12	4	0	0	0	0	0	0	0	51
Total	109	346	1229	1353	410	56	4	0	1	0	0	0	0	3508
Total	109	346	1229	1353	410	56	4	0	1	0	0	0	0	3508

15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 2582
 Percent in Pace : 73.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara
 Castillo Street
 N/ Mason Street
 24 Hour Directional Speed Survey
 Southbound

SBA001S
 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	0	4	3	4	3	0	0	0	0	0	0	0	15
01:00	1	0	0	2	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	1	1	2	0	0	0	0	0	0	0	4
03:00	0	0	1	0	3	0	0	0	0	0	0	0	0	4
04:00	1	0	2	1	3	1	1	0	0	0	0	0	0	9
05:00	0	0	4	11	15	3	2	0	0	0	0	0	0	35
06:00	3	1	20	36	28	7	3	0	0	0	0	0	0	98
07:00	0	5	32	103	82	16	2	0	0	0	0	0	0	240
08:00	3	14	41	85	68	14	6	0	0	0	0	0	0	231
09:00	5	7	37	82	33	11	0	0	0	0	0	0	0	175
10:00	4	21	71	89	57	11	0	0	0	0	0	0	0	253
11:00	8	22	60	91	47	7	1	0	0	0	0	0	0	236
12 PM	10	31	84	101	40	10	1	0	0	0	0	0	0	277
13:00	2	10	47	98	53	7	0	0	0	0	0	0	0	217
14:00	5	18	65	99	43	8	1	0	1	0	0	0	0	240
15:00	10	20	53	108	68	16	1	0	0	0	0	0	0	276
16:00	5	23	107	134	47	17	2	1	0	0	0	0	0	336
17:00	20	31	109	127	59	8	0	0	0	0	0	0	0	354
18:00	8	18	57	78	45	7	1	0	0	0	0	0	0	214
19:00	13	8	50	48	27	4	0	0	0	0	0	0	0	150
20:00	1	10	23	44	17	0	0	0	0	0	0	0	0	95
21:00	1	8	24	35	12	0	0	1	0	0	0	0	0	81
22:00	0	5	3	23	14	1	0	0	0	0	0	0	0	46
23:00	2	0	0	4	6	2	1	0	0	0	0	0	0	15
Total	103	252	894	1403	772	155	22	2	1	0	0	0	0	3604
Total	103	252	894	1403	772	155	22	2	1	0	0	0	0	3604

15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 2297
 Percent in Pace : 63.7%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara
 Castillo Street
 N/ Mason Street
 24 Hour Directional Speed Survey
 Northbound, Southbound

SBA001S
 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	2	3	8	10	13	4	0	0	0	0	0	0	0	40
01:00	2	1	2	4	1	0	0	0	0	0	0	0	0	10
02:00	0	0	1	1	1	2	0	0	0	0	0	0	0	5
03:00	0	2	2	1	3	1	0	0	0	0	0	0	0	9
04:00	1	2	3	3	3	1	1	0	0	0	0	0	0	14
05:00	2	3	7	20	18	3	2	0	0	0	0	0	0	55
06:00	4	7	29	51	32	9	3	0	0	0	0	0	0	135
07:00	2	15	81	162	108	17	2	0	0	0	0	0	0	387
08:00	4	27	87	178	95	15	6	0	0	0	0	0	0	412
09:00	11	26	77	124	46	12	0	0	0	0	0	0	0	296
10:00	8	47	155	144	71	15	0	0	0	0	0	0	0	440
11:00	12	50	133	155	78	9	1	0	0	0	0	0	0	438
12 PM	24	60	196	198	65	12	1	0	0	0	0	0	0	556
13:00	12	24	120	215	77	11	1	0	0	0	0	0	0	460
14:00	12	47	174	213	79	11	1	0	1	0	0	0	0	538
15:00	14	44	147	220	99	19	2	0	0	0	0	0	0	545
16:00	11	39	167	227	81	28	3	1	0	0	0	0	0	557
17:00	25	59	195	240	92	10	1	0	1	0	0	0	0	623
18:00	17	45	173	156	64	10	1	0	0	0	0	0	0	466
19:00	28	36	149	131	42	6	0	0	0	0	0	0	0	392
20:00	10	20	110	128	36	1	0	0	0	0	0	0	0	305
21:00	5	27	68	99	35	6	0	1	0	0	0	0	0	241
22:00	3	11	23	57	25	3	0	0	0	0	0	0	0	122
23:00	3	3	16	19	18	6	1	0	0	0	0	0	0	66
Total	212	598	2123	2756	1182	211	26	2	2	0	0	0	0	7112
Total	212	598	2123	2756	1182	211	26	2	2	0	0	0	0	7112

15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 4879
 Percent in Pace : 68.6%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

City of Santa Barbara
 Castillo Street
 N/ Anapamu Street
 24 Hour Directional Speed Survey
 Southbound

SBA002S
 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	0	4	12	2	0	0	0	0	0	0	0	0	19
01:00	1	4	3	5	2	1	0	0	0	0	0	0	0	16
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
03:00	0	1	0	1	1	0	0	0	0	0	0	0	0	3
04:00	0	0	1	6	0	1	0	0	0	0	0	0	0	8
05:00	0	1	8	16	7	2	0	0	0	0	0	0	0	34
06:00	1	2	16	42	22	3	0	0	0	0	0	0	0	86
07:00	9	8	64	108	37	4	1	0	0	0	0	0	0	231
08:00	12	21	95	156	21	6	0	0	0	0	0	0	0	311
09:00	11	13	73	73	35	6	0	0	0	0	0	0	0	211
10:00	7	18	58	79	30	9	0	0	0	0	0	0	0	201
11:00	5	3	54	89	49	4	1	0	0	0	0	0	0	205
12 PM	9	13	70	110	33	2	0	0	0	0	0	0	0	237
13:00	14	23	62	103	33	1	0	0	0	0	0	0	0	236
14:00	3	7	55	114	34	1	0	0	0	0	0	0	0	214
15:00	7	11	97	126	38	9	0	0	0	0	0	0	0	288
16:00	6	10	81	154	44	2	0	0	0	0	0	0	0	297
17:00	3	11	87	168	51	3	1	0	0	0	0	0	0	324
18:00	9	8	47	127	26	4	0	0	0	0	0	0	0	221
19:00	5	7	49	91	21	1	0	0	0	0	0	0	0	174
20:00	3	6	25	58	21	4	0	0	0	0	0	0	0	117
21:00	3	9	45	50	14	1	0	0	0	0	0	0	0	122
22:00	6	2	21	37	15	2	1	0	0	0	0	0	0	84
23:00	2	6	13	16	19	2	0	0	0	0	0	0	0	58
Total	117	184	1028	1742	556	68	4	0	0	0	0	0	0	3699
Total	117	184	1028	1742	556	68	4	0	0	0	0	0	0	3699

15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

Statistics
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 2770
 Percent in Pace : 74.9%
 Number of Vehicles > 55 MPH : 0
 Percent of Vehicles > 55 MPH : 0.0%

Castillo Street - Cabrillo to Cota

Segment length in feet	3,035	
Number of collisions =	12	See below.
AADT	7,112	
Time period in years =	3	01/01/2010-12/31/2012
Segment Collision rate =	2.68071	ACC/MVM
2009 District 5 Urban 2LN =	1.59	ACC/MVM
2009 Statewide 3 yr 2LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE	VEH 1 DIR	VEH 2 DIR
1	4609291	MONTECITO ST	CASTILLO ST	2/22/2010	0	East	Head on	EAST	WEST
2	4656767	MONTECITO ST	CASTILLO ST	3/6/2010	7	East	Broadside	NORTH	Not stated
3	4657105	CASTILLO ST	HALEY ST	3/7/2010	0	Not stated	Rear end	SOUTH	NORTH
4	4656731	MONTECITO ST	CASTILLO ST	3/16/2010	0	East	Head on	WEST	WEST
5	4700612	CASTILLO ST	MONTECITO ST	5/3/2010	10	North	Rear end	NORTH	WEST
6	4954039	MONTECITO ST	CASTILLO ST	10/22/2010	0	Not stated	Broadside	Not stated	WEST
7	5006720	CASTILLO ST	HALEY ST	12/3/2010	0	North	Not stated	WEST	WEST
8	4983203	CASTILLO ST	MONTECITO ST	12/10/2010	20	North	Rear end	SOUTH	SOUTH
9	5275243	CABRILLO BLVD	CASTILLO ST	8/15/2011	0	Not stated	Broadside	EAST	WEST
10	5420720	CASTILLO ST	MONTECITO ST	11/16/2011	0	Not stated	Side swipe	SOUTH	SOUTH
11	5665956	HALEY ST	CASTILLO ST	5/16/2012	0	Not stated	Broadside	WEST	EAST
12	5675683	CASTILLO ST	MASON ST	6/28/2012	45	South	Broadside	SOUTH	SOUTH

Castillo Street - Cota to Mission

Segment length in feet	7,160	
Number of collisions =	24	See below.
AADT	3,699	
Time period in years =	3	01/01/2010-12/31/2012
Segment Collision rate =	4.36952	ACC/MVM
2009 District 5 Urban 2LN =	1.59	ACC/MVM
2009 Statewide 3 yr 2LN =	1.42	ACC/MVM

Crash Number	CASE ID	STREET 1	STREET 2	DATE	DISTANCE	DIR FROM INT	COLL TYPE	VEH 1 DIR	VEH 2 DIR
1	4565035	CASTILLO ST	MISSION ST	1/11/2010	0	Not stated	Head on	NORTH	WEST
2	4599407	CASTILLO ST	COTA ST	2/1/2010	0	Not stated	Broadside	SOUTH	EAST
3	4676843	CARRILLO ST	CASTILLO ST	3/28/2010	4	East	Head on	SOUTH	Not stated
4	4730716	CASTILLO ST	ARRELLAGA ST	5/17/2010	50	South	Rear end	SOUTH	Not stated
5	4762569	CASTILLO ST	MICHELTORENA ST	6/26/2010	0	Not stated	Over-turned	SOUTH	WEST
6	4911036	ARRELLAGA ST	CASTILLO ST	8/21/2010	0	Not stated	Broadside	EAST	Not stated
7	4893364	CARRILLO ST	CASTILLO ST	9/3/2010	0	Not stated	Not stated	EAST	SOUTH
8	4921118	CASTILLO ST	MISSION ST	10/11/2010	0	Not stated	Broadside	NORTH	WEST
9	5026520	VICTORIA ST	CASTILLO ST	11/23/2010	0	Not stated	Broadside	WEST	SOUTH
10	5019378	CARRILLO ST	CASTILLO ST	12/23/2010	0	Not stated	Broadside	EAST	SOUTH
11	5068775	CASTILLO ST	VICTORIA ST	1/24/2011	0	Not stated	Broadside	WEST	SOUTH
12	5292964	CASTILLO ST	MISSION ST	6/29/2011	0	Not stated	Broadside	WEST	Not stated
13	5292768	MISSION ST	CASTILLO ST	7/17/2011	0	Not stated	Other CollType	EAST	Not stated
14	5275175	CARRILLO ST	CASTILLO ST	7/30/2011	0	Not stated	Broadside	SOUTH	EAST
15	5352167	CARRILLO ST	CASTILLO ST	8/23/2011	0	Not stated	Auto-ped	SOUTH	SOUTH
16	5334609	MISSION ST	CASTILLO ST	9/7/2011	0	Not stated	Broadside	NORTH	WEST
17	5320655	CARRILLO ST	CASTILLO ST	9/18/2011	0	Not stated	Broadside	EAST	SOUTH
18	5464395	CARRILLO ST	CASTILLO ST	12/15/2011	0	Not stated	Broadside	EAST	SOUTH
19	5518541	MICHELTORENA ST	CASTILLO ST	2/19/2012	0	Not stated	Broadside	SOUTH	EAST
20	5574286	CASTILLO ST	SOLA ST	3/18/2012	0	Not stated	Broadside	EAST	SOUTH
21	5665960	CASTILLO ST	SOLA ST	5/10/2012	15	North	Rear end	SOUTH	SOUTH
22	5838796	CASTILLO ST	ARRELLAGA ST	10/2/2012	0	Not stated	Broadside	SOUTH	WEST
23	5967223	CASTILLO ST	DE LA GUERRA ST	11/4/2012	0	Not stated	Broadside	WEST	SOUTH
24	5961414	CASTILLO ST	CARRILLO ST	12/10/2012	18	North	Other CollType	SOUTH	Not stated