



## Shoreline Drive

### Traffic & Engineering Survey Summary

From / To	Salida Del Sol to Westerly Shoreline Park
FAU Classification	Minor Arterial
Width	40 to 64 Feet
Length	2,890 Feet
Striping, Parking and Land Use	Double Center Line, Yellow Center Median, Bike Lanes, Partial No Parking Sunrise to Sunset, City Park Residential
Existing Posted Speed Limit	30 miles per hour (mph)
85th Percentile Speed	32 mph
Pace	22 to 32 mph
Average Daily Traffic	8,990
Special Characteristics	None
Engineer's Determination of Speed Limit	30 miles per hour (mph)
Speed Survey Expiry Date:	08/04/2021
Date prepared 08/04/2014	

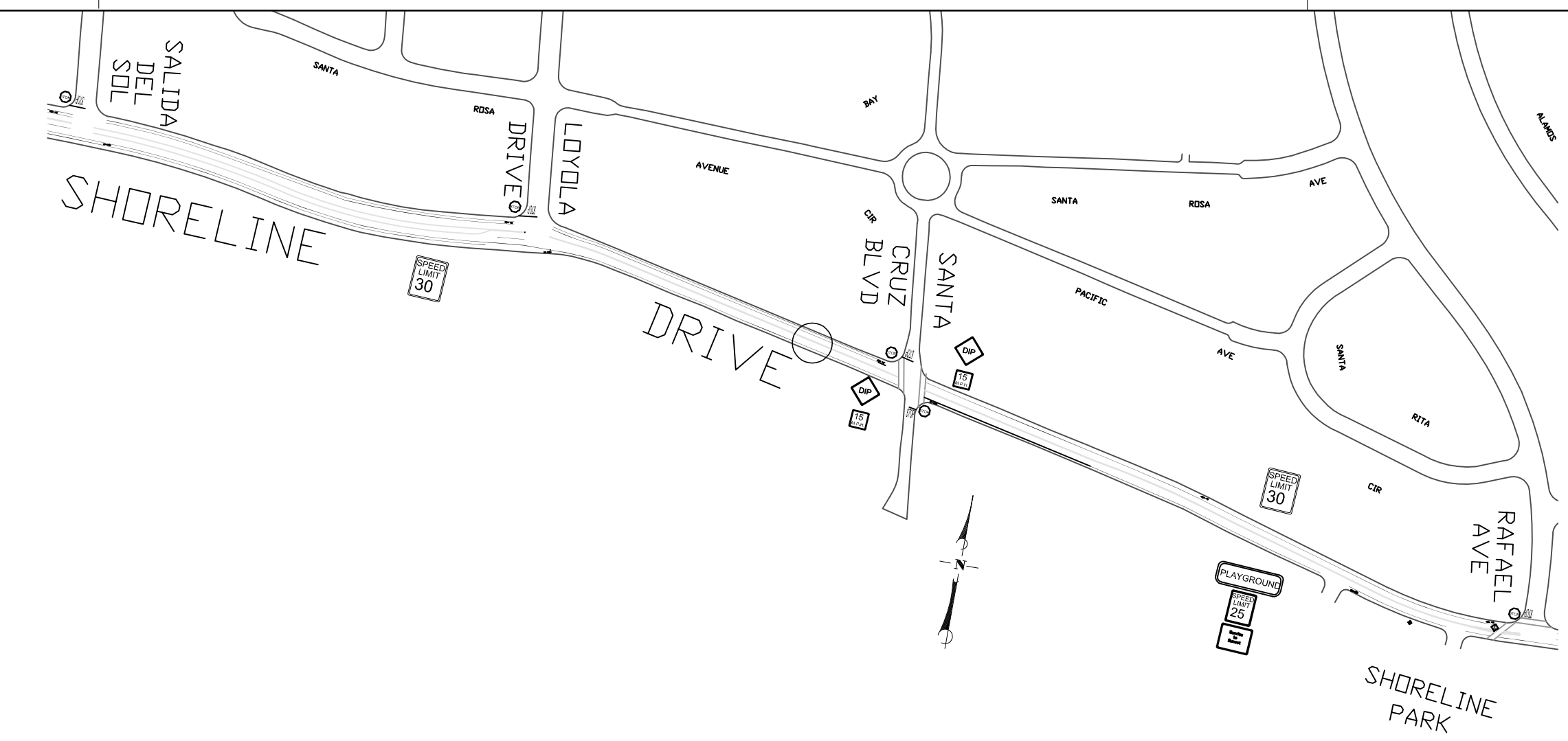
**City of Santa Barbara**  
**Derrick Bailey P.E., T.E.**  
**Supervising Transportation Engineer**  
**Registered Civil Engineer Number C 65726**



12.16.14

GRADIENT  
ROADSIDE DEVELOPMENT  
REMARKS:

RESIDENTIAL



CITY OF SANTA BARBARA



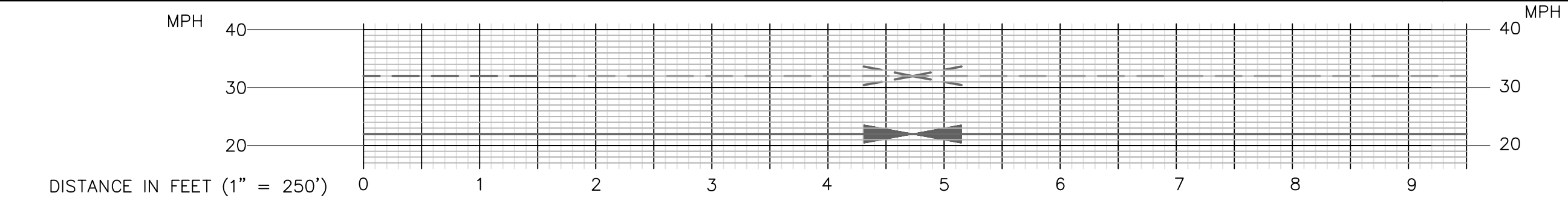
**SPEED ZONE SURVEY  
SHORELINE DRIVE**

FROM Salida Del Sol  
TO Westerly Shoreline Park  
SCALE: 1" = 250'  
DATE: September 4, 2014  
PREPARED BY: J.Rousseau/B.Gharagzli

LEGEND

- TRAFFIC SIGNALS
- SENIOR CENTERS
- SCHOOLS
- CHURCHES
- STUDY LOCATION

ROADWAY WIDTH	64 FEET	40 FEET
AVERAGE DAILY TRAFFIC		8890
NO. OF STRIPED LANES	YELLOW STRIPED MEDIAN 2 VEHICLE LANES - 2 BIKE LANES	2 VEHICLE LANES - 2 BIKE LANES
TYPE OF DIVISION STRIPE		DOUBLE YELLOW LINE - BIKE LANES
OBSERVED SPEED CRITICAL		28 MPH - OBSERVED 85th PERCENTILE SPEED
OBSERVED SPEED 10 mph PACE		16 to 26 MPH OBSERVED 10mph PACE
EXISTING SIGNED ZONE		30 MPH - EXISTING SIGNED ZONE
PROPOSED SPEED LIMIT		30 MPH



SEGMENT COLLISION RATE	0.30 acc/MVM
2009 DISTRICT 5 URBAN 2 and 3LN	(1.59 acc/MVM)
2009 DISTRICT 3 yr 2 and 3LN	1.35 acc/MVM

CRITICAL SPEED - 85%   
LOWER LIMIT OF 10mph PACE



# 1500 Shoreline Drive

August 18, 2014      Salida Del Sol to Westerly of Shoreline Park - Both Directions      Posted Speed is 30 MPH

1 (mph)	2 ui	3 fi	4 fui	5 % class	6 cumulative %	7 fi*ui^2	7 f(ui-u)^2
Speed Range	Class Midvalue	Frequency					
11-14	12	1073	12876	6.4%	6.4%	154512	165791376
15-19	17	4612	78404	27.7%	34.1%	1332868	6147187216
20-24	22	5142	113124	30.9%	65.0%	2488728	12797039376
25-29	27	4270	115290	25.6%	90.6%	3112830	13291784100
30-34	32	1332	42624	8.0%	98.6%	1363968	1816805376
35-39	37	207	7659	1.2%	99.8%	283383	58660281
40-44	42	22	924	0.1%	100.0%	38808	853776
45-49	47	5	235	0.0%	100.0%	11045	55225
50-54	52	2	104	0.0%	100.0%	5408	10816
55-59	56	0	0	0.0%	100.0%	0	0
		16,665	371,240			8,791,550.0	34,278,187,542.0
$u = f_{iui}/f_i$							
<b>Total Volume</b>		<b>85 Percentile</b>	<b>Mean</b>	<b>Standard Dev.</b>	<b>Median</b>	<b>Skewness Index</b>	
16,665		28	22.3	5.6	21.5	1.06	
		10 mph Pace	16	mph to	26	mph	
						Prepared By	J Rousseau

### Analysis Report (Project:Shoreline 1500 Location:Outgoing Direction)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	*	13	10	10	*	*	*	11	*	25.8
1 - 2	*	5	4	8	*	*	*	5.7	*	19.9
2 - 3	*	4	*	4	*	*	*	4	*	20
3 - 4	*	4	5	3	*	*	*	4	*	29.3
4 - 5	*	3	6	4	*	*	*	4.3	*	22
5 - 6	*	24	32	32	*	*	*	29.3	*	24
6 - 7	*	73	88	95	*	*	*	85.3	*	25.2
7 - 8	*	155	140	135	*	*	*	143.3	*	25.8
8 - 9	*	219	192	261	*	*	*	224	*	25.7
9 - 10	*	231	243	257	*	*	*	243.7	*	23.6
10 - 11	*	259	258	305	*	*	*	274	*	24.4
11 - 12	*	277	270	18	*	*	*	188.3	*	24.8
12 - 13	*	271	333	*	*	*	*	302	*	25.7
13 - 14	*	245	264	*	*	*	*	254.5	*	24.7
14 - 15	236	306	282	*	*	*	*	274.7	*	25.3
15 - 16	252	306	301	*	*	*	*	286.3	*	25.3
16 - 17	301	300	302	*	*	*	*	301	*	25.3
17 - 18	325	297	354	*	*	*	*	325.3	*	25.6
18 - 19	299	268	295	*	*	*	*	287.3	*	25.4
19 - 20	231	213	234	*	*	*	*	226	*	25.6
20 - 21	124	147	121	*	*	*	*	130.7	*	26.3
21 - 22	69	79	82	*	*	*	*	76.7	*	24.8
22 - 23	46	40	33	*	*	*	*	39.7	*	24.7
23 - 24	20	20	22	*	*	*	*	20.7	*	25.7
<b>Totals</b>	<b>1903</b>	<b>3759</b>	<b>3871</b>	<b>1132</b>	<b>0</b>	<b>0</b>	<b>0</b>			
<b>% of Total</b>	<b>17.8%</b>	<b>35.2%</b>	<b>36.3%</b>	<b>10.6%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			

### Analysis Report (Project:Shoreline 1500 Location:Incoming Direction)

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week Day Avg	Weekend Avg	Week Day 85% Avg Speed
0 - 1	*	12	11	15	*	*	*	12.7	*	39.4
1 - 2	*	6	3	5	*	*	*	4.7	*	36
2 - 3	*	1	1	2	*	*	*	1.3	*	27.7
3 - 4	*	4	4	1	*	*	*	3	*	31
4 - 5	*	2	4	4	*	*	*	3.3	*	40.8
5 - 6	*	14	10	12	*	*	*	12	*	33.2
6 - 7	*	30	37	39	*	*	*	35.3	*	32.7
7 - 8	*	87	99	105	*	*	*	97	*	32.6
8 - 9	*	132	119	101	*	*	*	117.3	*	31.3
9 - 10	*	157	84	87	*	*	*	109.3	*	29.4
10 - 11	*	173	150	94	*	*	*	139	*	28.5
11 - 12	*	201	180	7	*	*	*	129.3	*	28.4
12 - 13	*	225	122	*	*	*	*	173.5	*	29.9
13 - 14	*	206	194	*	*	*	*	200	*	30.2
14 - 15	193	188	169	*	*	*	*	183.3	*	30.7
15 - 16	210	201	182	*	*	*	*	197.7	*	30.8
16 - 17	222	212	165	*	*	*	*	199.7	*	31
17 - 18	216	267	202	*	*	*	*	228.3	*	31.1
18 - 19	240	200	181	*	*	*	*	207	*	31.3
19 - 20	217	224	224	*	*	*	*	221.7	*	31.5
20 - 21	162	157	192	*	*	*	*	170.3	*	32.6
21 - 22	84	72	72	*	*	*	*	76	*	33.3
22 - 23	46	39	39	*	*	*	*	41.3	*	34.4
23 - 24	14	22	29	*	*	*	*	21.7	*	36.7
<b>Totals</b>	<b>1604</b>	<b>2832</b>	<b>2473</b>	<b>472</b>	<b>0</b>	<b>0</b>	<b>0</b>			
<b>% of Total</b>	<b>21.7%</b>	<b>38.4%</b>	<b>33.5%</b>	<b>6.4%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>			

## Shoreline Drive

From: Salida Del Sol to Westerly of Shoreline Park

Segment length in feet	5,368	
Number of collisions =	3	See below.
AADT	8,990	
Time period in years =	3	01/01/10-12/31/12
<b>Segment Collision rate =</b>	<b><u>0.30</u></b>	ACC/MVM
2009 District 5 Urban 2 nd 3 LN =	1.59	ACC/MVM
2009 Statewide 3 yr 2 and 3 LN =	1.35	ACC/MVM

CASE ID	STREET 1	STREET 2	COLL TYPE	DATE	TIME
4785021	SHORELINE DR	LOYOLA DR	Broadside	5/30/2010	16:19
4784859	SHORELINE DR	SAN RAFAEL AVE	Hit object	6/1/2010	11:45
5597159	SHORELINE DR	SAN NICOLAS AVE	Other CollType	4/18/2012	14:53