

CITY OF WEST HOLLYWOOD
DEPARTMENT OF PUBLIC WORKS
Engineering and Traffic Survey, October 2016

San Vicente Boulevard between Sunset Boulevard and Santa Monica Boulevard

This engineering and traffic survey (E&TS) was prepared for the segment of San Vicente Boulevard between Sunset Boulevard and Santa Monica Boulevard in accordance with California Vehicle Code (CVC) Section 627, and is required under CVC 40802 if speed limits are to be enforced by radar or any other electronic device that measures the speed of moving objects. CVC 40802 requires speed zones to be evaluated on a recurring basis to avoid being a “speed trap”. If the E&TS is more than 5 years old, courts may reject evidence of speeding obtained through radar or other electronic devices. Engineering and traffic surveys may be up to 7 years old if conditions under CVC 40802(c)(1) related to enforcement training and equipment certification have been met.

The segment of San Vicente Boulevard is classified as a collector street in the City of West Hollywood General Plan. The adjacent land use is high-density residential land uses. The street has two travel lanes in each direction and parallel on-street parking on both sides of the street.

The posted speed limit is 35 mph based on a 2011 E&TS. Speed data collected on April 13, 2016 revealed the 85th percentile speed to be 40 mph.

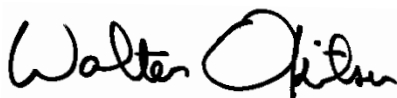
CVC 21400(b) requires the local authority to round speed limits to the nearest five miles per hour of the 85th percentile of the free-flowing traffic. However, the local authority may apply Option 1 within MUTCD Section 2B.13 Paragraph 12a which says “The posted speed may be reduced by 5 mph from the nearest 5-mph increment of the 85th percentile speed, in compliance with CVC Sections 627 and 22358.5.” The cited CVC Section 627 says the E&TS must consider the following:

- Accident Records: The expected collision rate on a 4-lane or more undivided highway is 3.55 per million vehicle miles (MVM). With 29 collisions recorded over a two-year period and 16,203 average daily traffic, the collision rate has been 5.84 per MVM, which exceeds the expected rate.
- Highway, traffic, and roadside conditions not readily apparent to the driver: According to CVC 22358.5, “Conditions not readily apparent to the driver” exclude roadway width, curvature, grade, and surface conditions.” No downward speed zoning is recommended based on highway, traffic, and roadside conditions not readily apparent to the driver.

CVC 627 also allows optional consideration of residential density as well as pedestrian and bicycle safety. This segment exceeds the residential density threshold of 16 or more separate dwelling houses or business structures per quarter mile on a roadway segment not considered to be a business district.

Recommendation

Based on prevailing speeds reduced by 5 mph with an Option 1 reduction due to the accident rate and residential density, the existing posted speed limit of 35 mph should be retained.



Walter Okitsu, P.E.
Registered Traffic Engineer, Calif. TE 1406

APPENDIX D: Spot Speed Studies

Spot Speed Study

Prepared by: National Data & Surveying Services

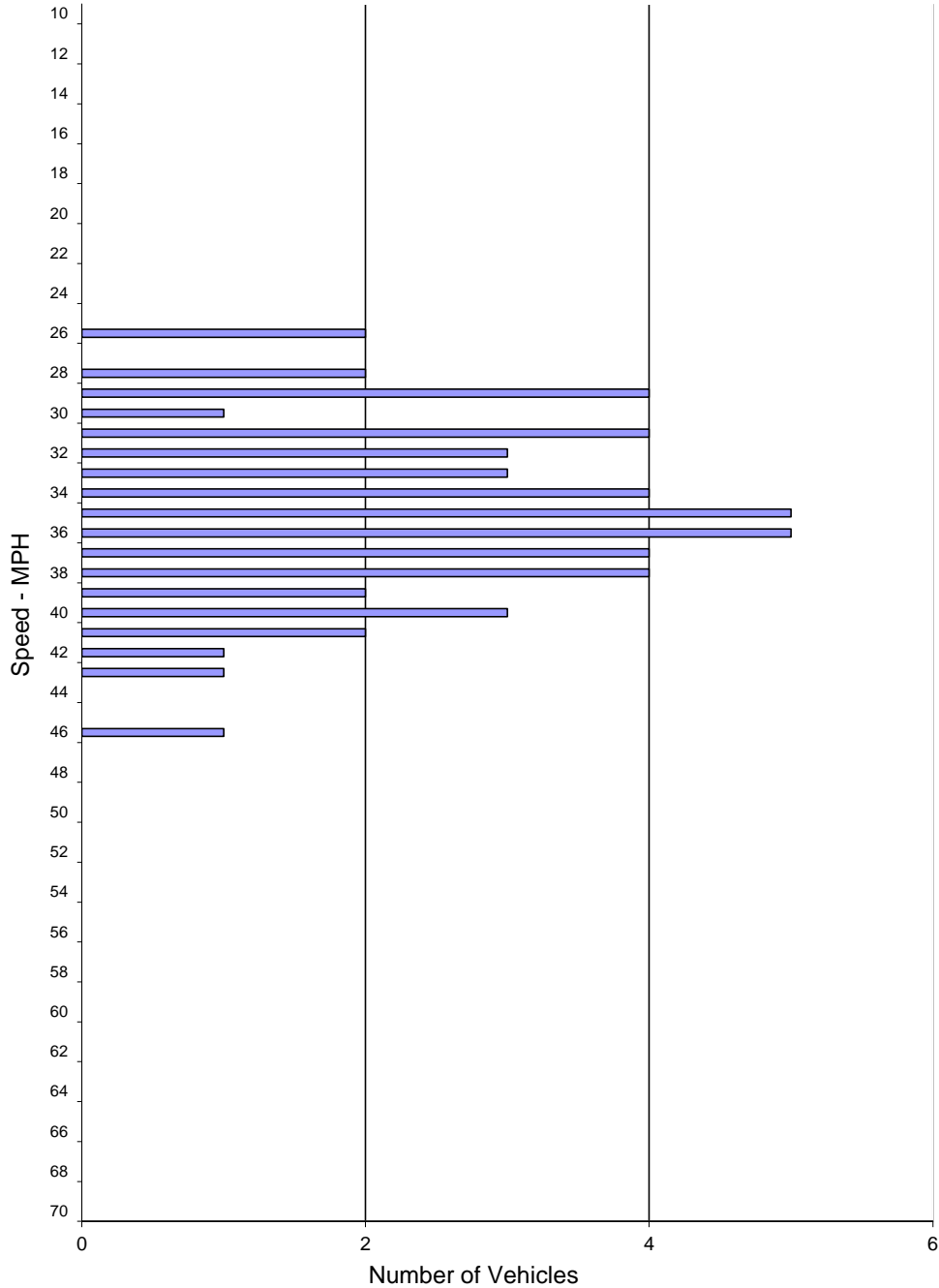
City of West Hollywood

DATE: 4/13/2016
DAY: Wednesday

Location: San Vicente Blvd Bet. Sunset Blvd & Santa Monica Blvd
Posted Speed: 35 MPH Project #: 16-5198-019

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	2
27	
28	2
29	4
30	1
31	4
32	3
33	3
34	4
35	5
36	5
37	4
38	4
39	2
40	3
41	2
42	1
43	1
44	
45	
46	1
47	
48	
49	
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51	
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62	
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67	
68	
69	
>=70	



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	34.8	26 - 46	35 mph	40 mph	29 - 38	37	73%	7% / 4	20% / 10

Spot Speed Study

Prepared by: National Data & Surveying Services

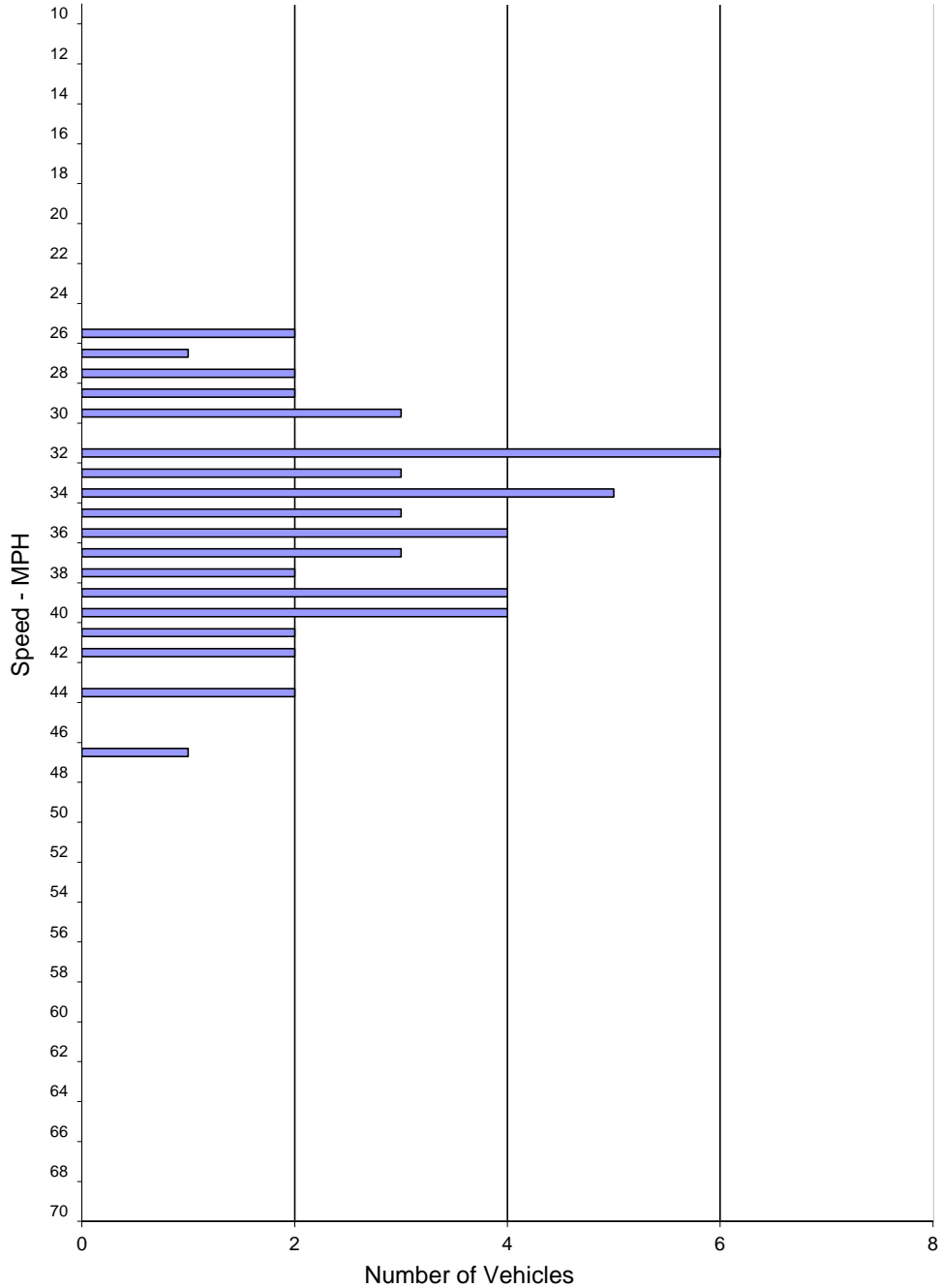
City of West Hollywood

DATE: 4/13/2016
DAY: Wednesday

Location: San Vicente Blvd Bet. Sunset Blvd & Santa Monica Blvd
Posted Speed: 35 MPH Project #: 16-5198-019

Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	2
27	1
28	2
29	2
30	3
31	
32	6
33	3
34	5
35	3
36	4
37	3
38	2
39	4
40	4
41	2
42	2
43	
44	2
45	
46	
47	1
48	
49	
50	
51	
52	
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61	
62	
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64	
65	
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67	
68	
69	
>=70	



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	51	35.2	26 - 47	35 mph	40 mph	32 - 41	36	71%	19% / 10	10% / 5

Spot Speed Study

Prepared by: National Data & Surveying Services

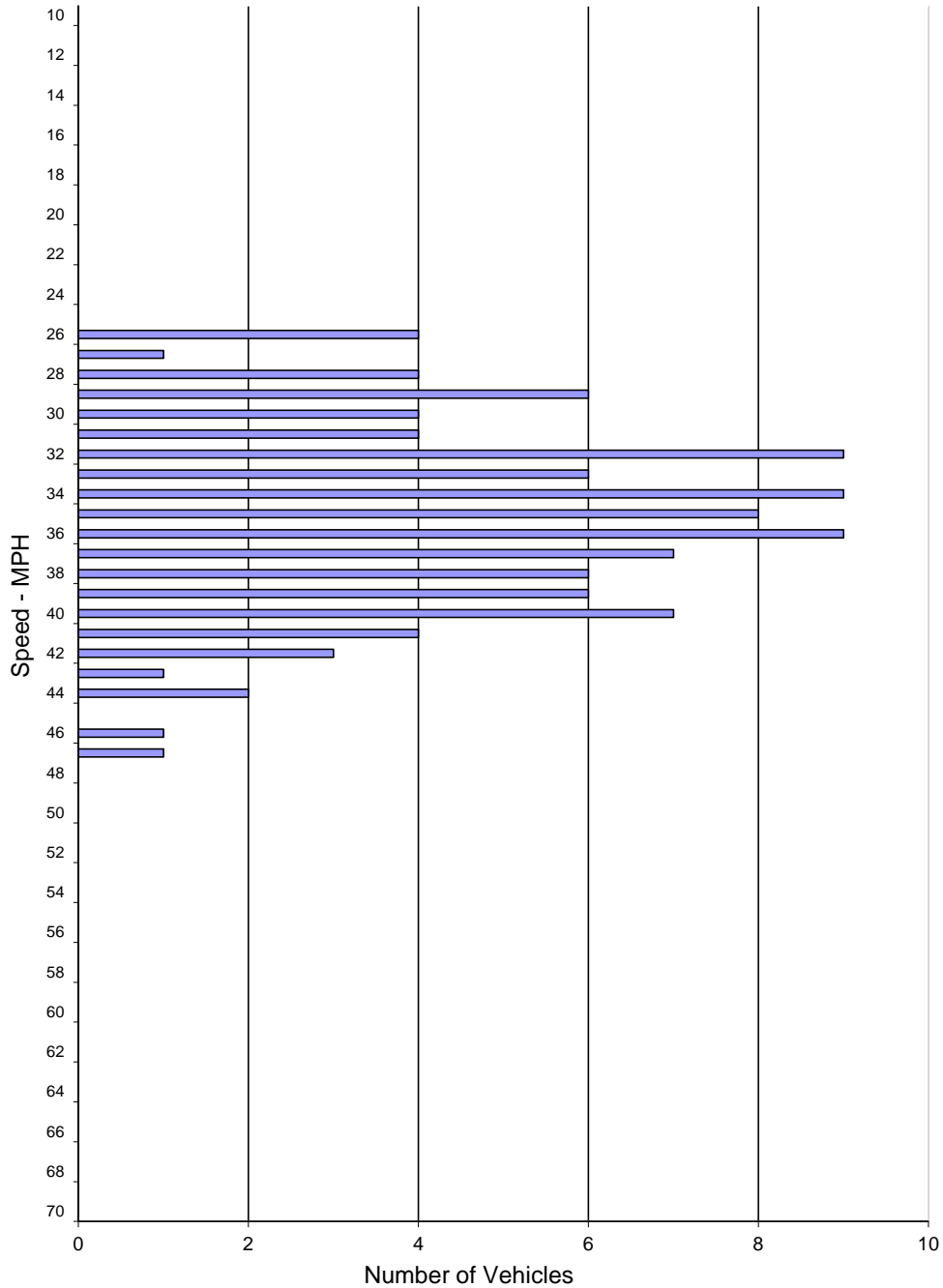
City of West Hollywood

DATE: 4/13/2016
DAY: Wednesday

Location: San Vicente Blvd Bet. Sunset Blvd & Santa Monica Blvd
Posted Speed: 35 MPH
Project #: 16-5198-019

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
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19	
20	
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22	
23	
24	
25	
26	4
27	1
28	4
29	6
30	4
31	4
32	9
33	6
34	9
35	8
36	9
37	7
38	6
39	6
40	7
41	4
42	3
43	1
44	2
45	
46	1
47	1
48	
49	
50	
51	
52	
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57	
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60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
>=70	



SPEED PARAMETERS										
Class	Count	Average Speed	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	102	35.0	26 - 47	35 mph	40 mph	31 - 40	71	70%	18% / 19	12% / 12

APPENDIX E: 24-Hour Counts

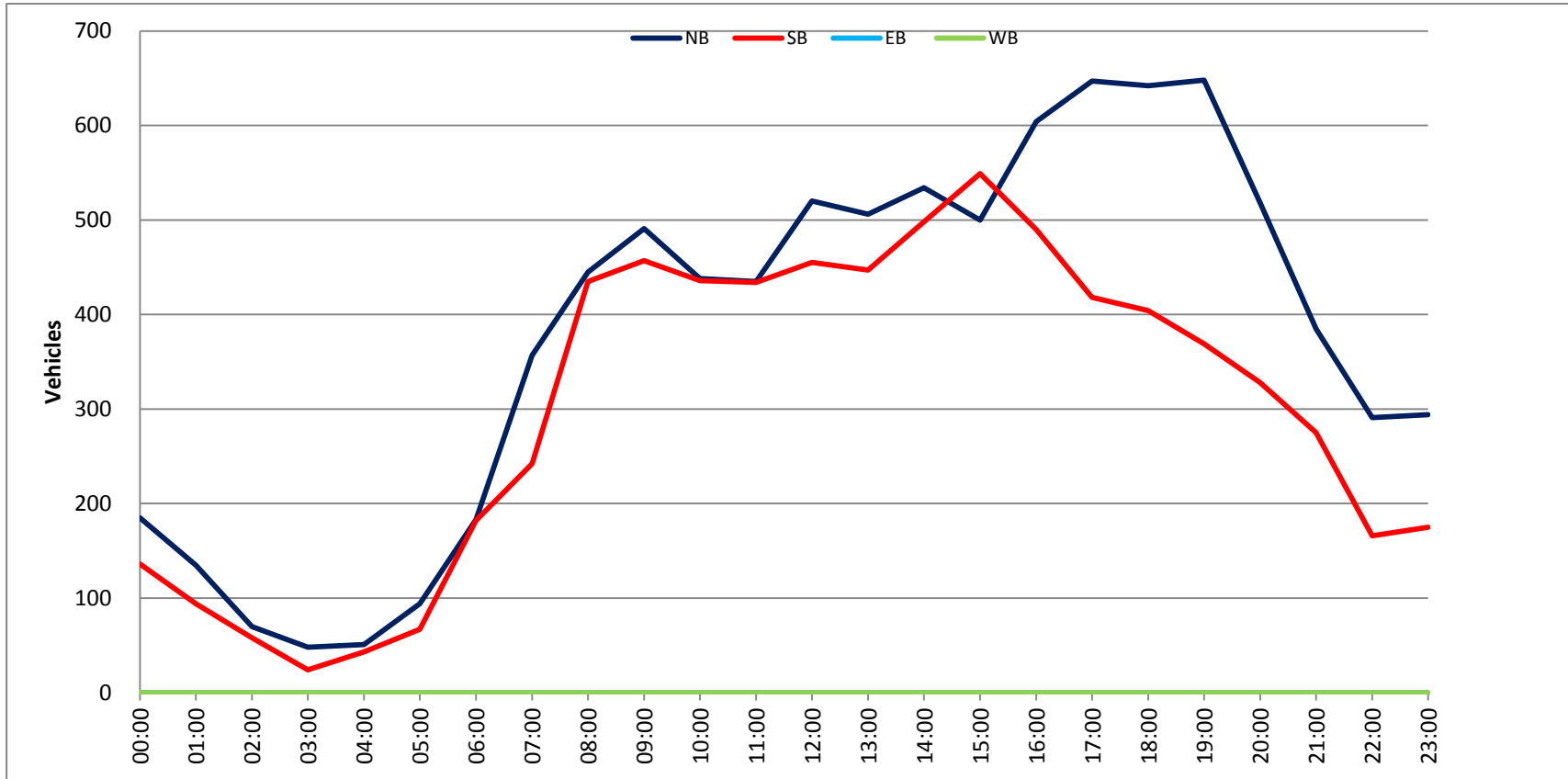
VOLUME

San Vicente Blvd Bet. Sunset Blvd & Santa Monica Blvd

Day: Thursday
Date: 3/31/2016City: West Hollywood
Project #: CA16_5199_019

DAILY TOTALS					NB	SB	EB	WB	Total		
					9,021	7,182	0	0	16,203		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	51	44			95	12:00	114	117			231
00:15	47	30			77	12:15	120	109			229
00:30	44	25			69	12:30	149	108			257
00:45	43	185	37	136	80	12:45	137	520	121	455	258
01:00	30	29			59	13:00	133	104			237
01:15	39	19			58	13:15	129	102			231
01:30	33	20			53	13:30	129	135			264
01:45	33	135	26	94	59	13:45	115	506	106	447	221
02:00	15	18			33	14:00	123	107			230
02:15	23	16			39	14:15	128	110			238
02:30	20	11			31	14:30	137	122			259
02:45	12	70	13	58	25	14:45	146	534	159	498	305
03:00	15	10			25	15:00	121	159			280
03:15	11	5			16	15:15	140	131			271
03:30	10	5			15	15:30	108	128			236
03:45	12	48	4	24	16	15:45	131	500	131	549	262
04:00	19	14			33	16:00	132	135			267
04:15	14	10			24	16:15	149	127			276
04:30	13	8			21	16:30	178	116			294
04:45	5	51	11	43	16	16:45	145	604	112	490	257
05:00	19	14			33	17:00	147	122			269
05:15	16	18			34	17:15	191	105			296
05:30	23	19			42	17:30	148	94			242
05:45	36	94	16	67	52	17:45	161	647	97	418	258
06:00	27	34			61	18:00	162	119			281
06:15	45	55			100	18:15	169	88			257
06:30	50	40			90	18:30	183	90			273
06:45	61	183	53	182	114	18:45	128	642	107	404	235
07:00	71	48			119	19:00	172	101			273
07:15	89	66			155	19:15	171	91			262
07:30	90	52			142	19:30	159	88			247
07:45	107	357	76	242	183	19:45	146	648	89	369	235
08:00	106	140			246	20:00	141	76			217
08:15	119	117			236	20:15	135	92			227
08:30	112	91			203	20:30	129	88			217
08:45	108	445	87	435	195	20:45	113	518	72	328	185
09:00	134	99			233	21:00	111	81			192
09:15	113	119			232	21:15	88	59			147
09:30	109	114			223	21:30	91	76			167
09:45	135	491	125	457	260	21:45	95	385	59	275	154
10:00	107	112			219	22:00	76	44			120
10:15	111	109			220	22:15	76	37			113
10:30	112	114			226	22:30	77	38			115
10:45	108	438	101	436	209	22:45	62	291	47	166	109
11:00	113	109			222	23:00	80	41			121
11:15	116	112			228	23:15	93	46			139
11:30	92	100			192	23:30	67	52			119
11:45	114	435	113	434	227	23:45	54	294	36	175	90
TOTALS	2932	2608			5540	TOTALS	6089	4574			10663
SPLIT %	52.9%	47.1%			34.2%	SPLIT %	57.1%	42.9%			65.8%

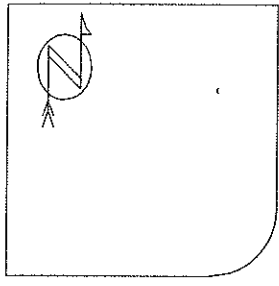
DAILY TOTALS					NB	SB	EB	WB	Total
					9,021	7,182	0	0	16,203
AM Peak Hour	11:45	09:15			09:00	PM Peak Hour	17:45	14:45	16:30
AM Pk Volume	497	470			948	PM Pk Volume	675	577	1116
Pk Hr Factor	0.834	0.940			0.912	Pk Hr Factor	0.922	0.907	0.943
7 - 9 Volume	802	677	0	0	1479	4 - 6 Volume	1251	908	0
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:30	16:00	16:30
7 - 9 Pk Volume	445	435	0	0	880	4 - 6 Pk Volume	661	490	0
Pk Hr Factor	0.935	0.777	0.000	0.000	0.894	Pk Hr Factor	0.865	0.907	0.000



APPENDIX F: Collision Data

San Vicente Bl Sunset Bl to Santa Monica Bl

29 Accidents 01/01/14 12/31/15



03/24/15 N 0
12/05/15 N 17

11/21/15 N 50
07/20/15 N 255
11/01/15 N 08
08/12/15 N 161
10/18/14 N 20
10/18/14 N 20
10/20/15 N 70

11/18/15 N 0
11/22/15 S 80

02/10/15 N 0
10/07/14 S 200
09/29/14 N 160
05/25/14 N 0
01/06/15 N 0
03/15/15 N 0
04/18/15 S 47
05/14/15 N 110

11/26/14 N 0
01/23/15 N 67
09/26/15 S 38

11/21/15 N 0
09/03/15 S 300
06/04/15 N 50

03/04/15 N 0

04/11/15 S 140
02/20/15 N 0
05/31/14 S 115

(clear filter), (0) accidents with insufficient data for display

- | | | | |
|--------------|------------------|--------------|----------------|
| ← Straight | ▭ Parked | × Pedestrian | Fixed objects: |
| ← Stopped | ⚡ Erratic | ⊗ Bicycle | □ General |
| ← Unknown | ⚡ Out of control | ○ Injury | ▣ Signal |
| ↔ Backing | ↘ Right turn | ⊙ Fatality | ▣ Tree |
| ↔ Overtaking | ↙ Left turn | 🌙 Nighttime | ◁ 3rd vehicle |
| ↔ Sideswipe | ↻ U-turn | 🚔 DUI | * Extra data |
| | | | ▣ Pole |
| | | | ▣ Curb |
| | | | ⊗ Animal |

Accident listing
 01/01/2014 - 12/31/2015
 San Vicente Bl Santa Monica Bl to Beverly Bl
 Sorted by <DATE;TIME;ACC#>

STREET 1	DATE	TIME	DAY	DIST	DIR	FROM	INT	KILL	INJ	VEH 1 DIR	VEH 1 TYPE	VEH 1 MOV	VEH 1 SOBER	VE
STREET 2	LIGHTING	COLL	TYPE	VIOL	CAT					VEH 2 DIR	VEH 2 TYPE	VEH 2 MOV	VEH 2 SOBER	VE
WEATHER	ROAD SURF	ROAD COND	CONTROLS	PED	ACTION					VEH 3 DIR	VEH 3 TYPE	VEH 3 MOV	VEH 3 SOBER	VE
SAN VICENTE	04/26/14	19:42	Sat	300	North		0	0	0	WEST	Not stated	Straight	HBD (IU)	0
MELROSE AV	Daylight	Side swipe	Unsafe lane change							Not stated	Not stated	Not stated	Not stated	0
Clear Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	05/25/14	13:00	Sun	0	Not stated		0	1	1	SOUTH	Car	Left turn	HNBD (not)	34
SANTA MONICA	Daylight	Broadside	Auto right-of-way							NORTH	Car	Straight	HNBD (not)	58
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	08/08/14	10:59	Fri	0	Not stated		0	4	4	SOUTH	Car	Straight	HBD (UI)	30
PACIFIC DESI	Daylight	Rear end	DUI							SOUTH	Car	Straight	HNBD (not)	51
Clear Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	08/26/14	13:30	Tue	57	South		0	0	0	SOUTH	Car	Straight	HNBD (not)	34
ROSEWOOD AV	Daylight	Rear end	Following too close							SOUTH	Car	Straight	HNBD (not)	20
Clear Dry	No unusua	Not func	No ped involved							SOUTH	Car	Straight	HNBD (not)	31
SAN VICENTE	09/17/14	3:40	Wed	8	South		0	1	1	NORTH	Car	Right turn	HNBD (not)	54
SANTA MONICA	Dark-	st Auto-ped	Improper turning							EAST	Pedestrian	Other VehM	HNBD (not)	56
Clear Dry	No unusua	Function	In x-walk at int							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	10/15/14	14:00	Wed	100	South		0	0	0	NORTH	Car	Merging	HNBD (not)	23
PACIFIC DESI	Daylight	Side swipe	Unsafe lane change							NORTH	Car	Straight	HNBD (not)	42
Clear Dry	Construct	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	10/31/14	12:45	Fri	280	North		0	0	0	SOUTH	Not stated	Backing	IU (H&R)	0
MELROSE AV	Daylight	Other Coll	Unsafe start/back							SOUTH	Emergency v	Parked	Not stated	0
Cloudy Dry	Holes, de	Not func	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/12/14	18:45	Wed	255	North		0	0	0	NORTH	Car	Backing	IU (H&R)	0
MELROSE AV	Dark-	st Other Coll	Unsafe start/back							NORTH	Car	Left turn	HNBD (not)	31
Cloudy Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/26/14	13:00	Wed	0	Not stated		0	3	3	WEST	Car	Entering t	HNBD (not)	24
ROSEWOOD AV	Daylight	Broadside	Auto right-of-way							NORTH	Car	Straight	HNBD (not)	39
Clear Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
MELROSE AV	12/06/14	3:30	Sat	0	Not stated		0	0	0	EAST	Car	Right turn	IU (H&R)	0
SAN VICENTE	Dark-	st Side swipe	Improper turning							EAST	Car	Right turn	HBD (NOT UI)	30
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	12/17/14	15:30	Wed	0	Not stated		0	1	1	WEST	Emergency v	Left turn	HNBD (not)	55
MELROSE AV	Daylight	Broadside	Auto right-of-way							EAST	Car	Straight	HNBD (not)	31
Cloudy Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	12/20/14	25:00	Sat	100	North		0	0	0	SOUTH	Not stated	Backing	IU (H&R)	0
BEVERLY BL	Dusk-daw	Head on	Unsafe start/back							NORTH	Car	Parked	N/A	0
Cloudy Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	01/06/15	14:30	Tue	0	Not stated		0	0	0	NORTH	Car	Left turn	HNBD (not)	49
SANTA MONICA	Daylight	Broadside	Improper turning							SOUTH	Car	Straight	HNBD (not)	25
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	01/10/15	2:10	Sat	73	North		0	1	1	SOUTH	Car	Straight	HBD (NOT UI)	22
BEVERLY BL	Dark-	st Rear end	Following too close							SOUTH	Car	Stopped	HBD (NOT UI)	30
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	01/11/15	23:01	Sun	171	South		0	0	0	SOUTH	Car	Straight	IU (H&R)	0
SANTA MONICA	Dark-	st Rear end	Unsafe speed							SOUTH	Car	Stopped	HNBD (not)	21
Clear Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SANTA MONICA	02/10/15	21:30	Tue	0	Not stated		0	0	0	SOUTH	Car	Straight	HBD (UI)	0
SAN VICENTE	Dark-	st Side swipe	Traffic signals							WEST	Car	Left turn	HNBD (not)	29
Clear Dry	No unusua	None	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	02/19/15	10:10	Thu	228	North		0	0	0	NORTH	Car	Left turn	HNBD (not)	52
MELROSE AV	Daylight	Side swipe	Unsafe lane change							NORTH	Car	Straight	HNBD (not)	34
Clear Dry	No unusua	Not func	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SANTA MONICA	02/20/15	12:15	Fri	0	Not stated		0	0	0	NORTH	Car	Straight	HNBD (not)	22
SAN VICENTE	Daylight	Rear end	Unsafe start/back							NORTH	Car	Stopped	HNBD (not)	27
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
SANTA MONICA	03/04/15	13:06	Wed	0	Not stated		0	1	1	EAST	Motor cycle	Straight	HNBD (not)	34
SAN VICENTE	Daylight	Other Coll	Unsafe speed							Not stated	Not stated	Not stated	Not stated	0

Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	03/24/15 22:35 Tue 0	Not stated 0	0	SOUTH	Car	Straight	HBD (UI) 68
SANTA MONICA	Dark- st Side swipe	DUI		SOUTH	Car	Stopped	HNBD (not) 22
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	06/13/15 14:18 Sat 0	Not stated 0	0	WEST	Car	Left turn	HNBD (not) 47
ROSEWOOD AV	Daylight Broadside	Traffic signals		NORTH	Car	Straight	HNBD (not) 20
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	06/30/15 13:10 Tue 140	South 0	0	WEST	Car	Left turn	HNBD (not) 70
ROSEWOOD AV	Daylight Side swipe	Auto right-of-way		SOUTH	Pickup	Straight	HNBD (not) 50
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	10/03/15 2:00 Sat 0	Not stated 0	0	SOUTH	Car	Straight	IU (H&R) 0
MELROSE AV	Dark- st Rear end	Unsafe speed		SOUTH	Car	Stopped	HNBD (not) 48
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/20/15 16:20 Fri 0	Not stated 0	0	EAST	Car	Left turn	HNBD (not) 74
ROSEWOOD AV	Daylight Broadside	Auto right-of-way		SOUTH	Car	Straight	HNBD (not) 55
Clear Dry	No unusua None	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/21/15 0:50 Sat 0	Not stated 0	1	SOUTH	Car	Straight	HBD (IU) 0
SANTA MONICA	Dark- st Auto-ped	Ped right-of-way		EAST	Pedestrian	Other VehM	N/A 24
Clear Dry	No unusua Function	In x-walk at int	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/24/15 16:30 Tue 25	North 0	0	SOUTH	Car	Straight	IU (H&R) 0
BEVERLY BL	Daylight Rear end	Unsafe speed		WEST	Pickup	Stopped	HNBD (not) 21
Clear Dry	No unusua None	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	11/25/15 12:15 Wed 30	North 0	0	SOUTH	Car	Left turn	HNBD (not) 27
MELROSE AV	Daylight Broadside	Auto right-of-way		NORTH	Car	Straight	HNBD (not) 70
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	12/01/15 18:10 Tue 100	South 0	0	NORTH	Car	Straight	IU (H&R) 0
PACIFIC DESI	Dark- st Rear end	Unsafe speed		NORTH	Car	Stopped	HNBD (not) 38
Clear Dry	No unusua None	No ped involved	Not stated	Not stated	Not stated	Not stated	0
SAN VICENTE	12/20/15 22:35 Sun 67	North 0	0	EAST	Car	Straight	IU (H&R) 0
MELROSE AV	Dark- st Rear end	Unsafe speed		SOUTH	Car	Stopped	HNBD (not) 59
Clear Dry	No unusua Function	No ped involved	Not stated	Not stated	Not stated	Not stated	0
				SOUTH	Car	Stopped	HNBD (not) 25