

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

**Gardner Street between Fountain Avenue and Santa Monica Boulevard**

This engineering and traffic survey (E&TS) was prepared for the segment of Gardner Street between Fountain Avenue 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.

Gardner Street is designated as a local street in the City of West Hollywood General Plan. Gardner Street is a high-density residential street that has an undivided roadway with angle parking on both sides.

The posted speed limit for this section of Gardner Street is 25 mph based on a 2011 E&TS. Speed data collected on June 22, 2016 revealed the 85th percentile speed to be 28 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, in cases in which the speed limit needs to be rounded up to the nearest five miles per hour increment of the 85th-percentile speed, the local authority may instead optionally round down the speed limit to the lower five miles per hour increment, but then the local authority shall not reduce the speed limit any further for any reason. This round-down option is described under Option 2 in the California Manual of Uniform Traffic Devices, Section 2B.13 Paragraph 12a. This engineering and traffic survey recommends applying the Option 2 round-down thereby retaining the existing 25 mph speed limit.

Application of the CVC 21400(b) Option 2 round-down precludes further reduction in the speed limit. Nevertheless, the following are provided to fulfill the requirements of CVC 627(b):

- Accident Records: The expected collision rate on a 2-lane undivided highway is 1.98 per million vehicle miles (MVM). With 5 collisions recorded over a two-year period and 744 average daily traffic, the collision rate has been 36.82 per MVM, which exceeds the expected rate.
- Highway, traffic, and roadside conditions not readily apparent to the driver: No downward speed zoning is recommended based on highway, traffic, and roadside conditions not readily apparent to the driver.

Recommendation

Based on prevailing speeds rounded down per Option 2, the existing posted speed limit of 25 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

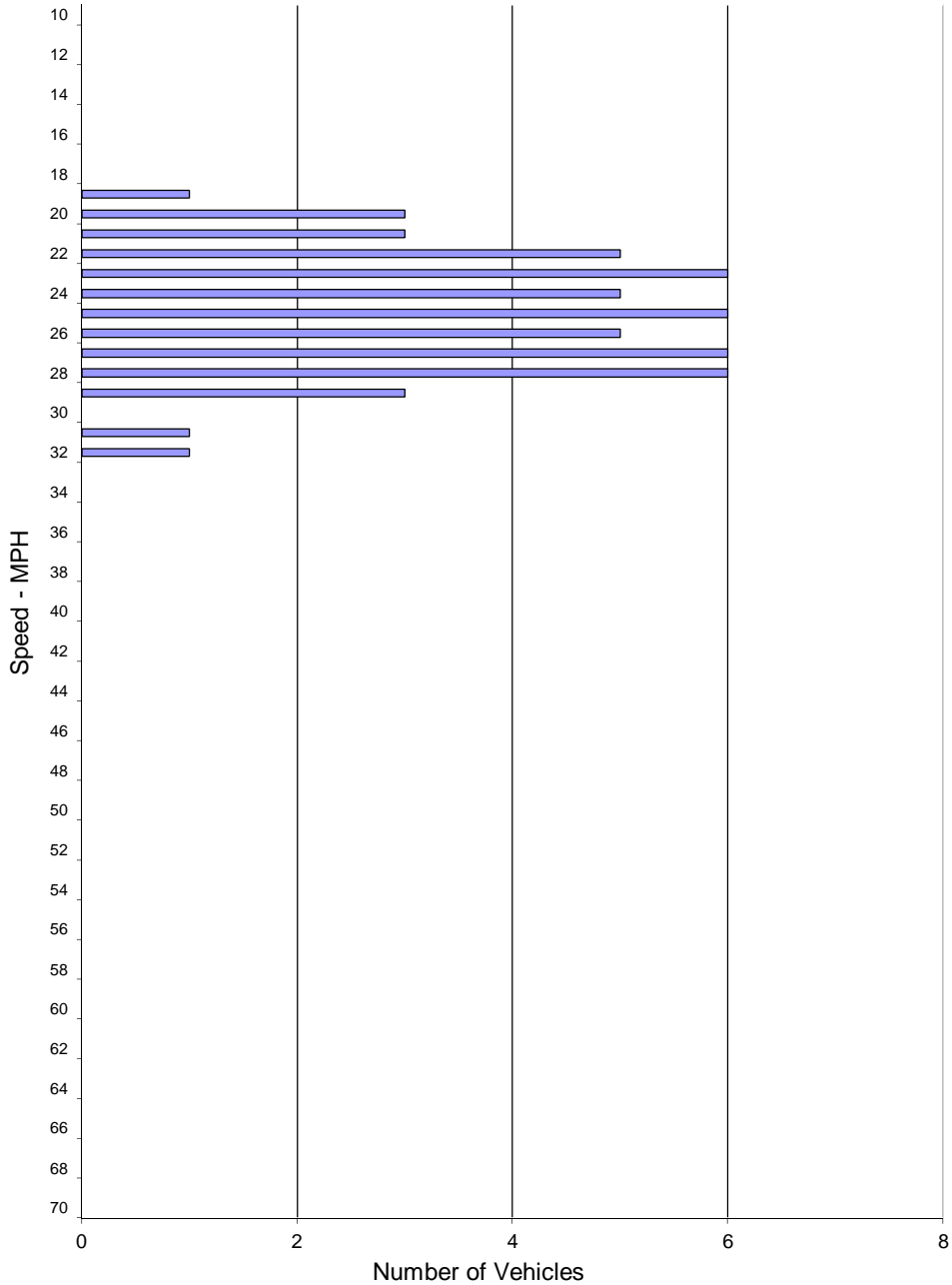
## City of West Hollywood

DATE: 6/22/2016  
DAY: Wednesday

Location: Gardner St Bet. Fountain Ave & Santa Monica Blvd  
Posted Speed: 25 MPH  
Project #: 16-5438-001

### Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	1
20	3
21	3
22	5
23	6
24	5
25	6
26	5
27	6
28	6
29	3
30	
31	1
32	1
33	
34	
35	
36	
37	
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64	
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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	51	24.9	19 - 32	25 mph	28 mph	20 - 29	48	94%	1% / 1	4% / 2

# Spot Speed Study

Prepared by: National Data & Surveying Services

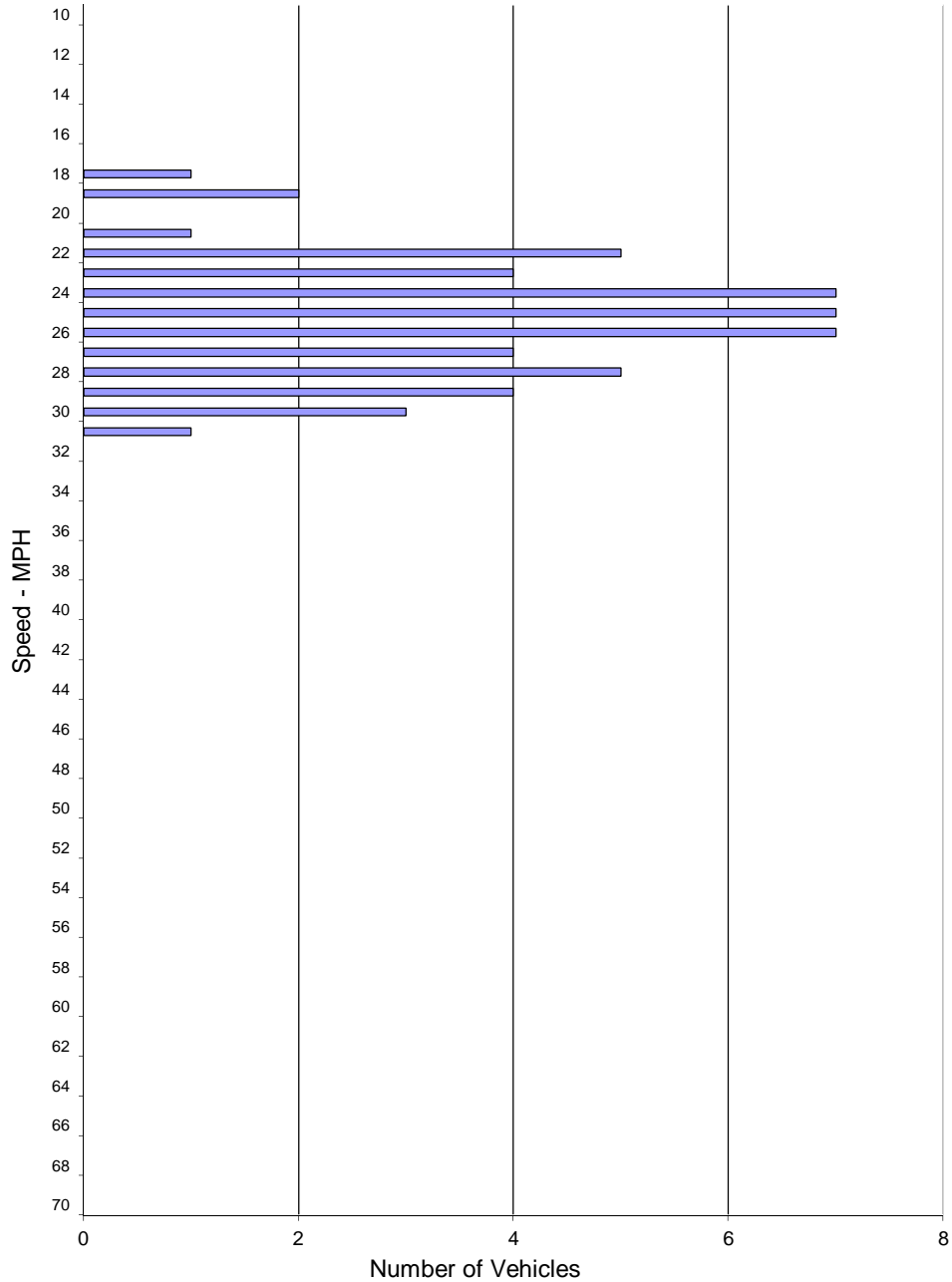
## City of West Hollywood

DATE: 6/22/2016  
DAY: Wednesday

Location: Gardner St Bet. Fountain Ave & Santa Monica Blvd  
Posted Speed: 25 MPH  
Project #: 16-5438-001

### Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	1
19	2
20	
21	1
22	5
23	4
24	7
25	7
26	7
27	4
28	5
29	4
30	3
31	1
32	
33	
34	
35	
36	
37	
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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	51	25.3	18 - 31	25 mph	29 mph	21 - 30	47	92%	5% / 3	2% / 1

# Spot Speed Study

Prepared by: National Data & Surveying Services

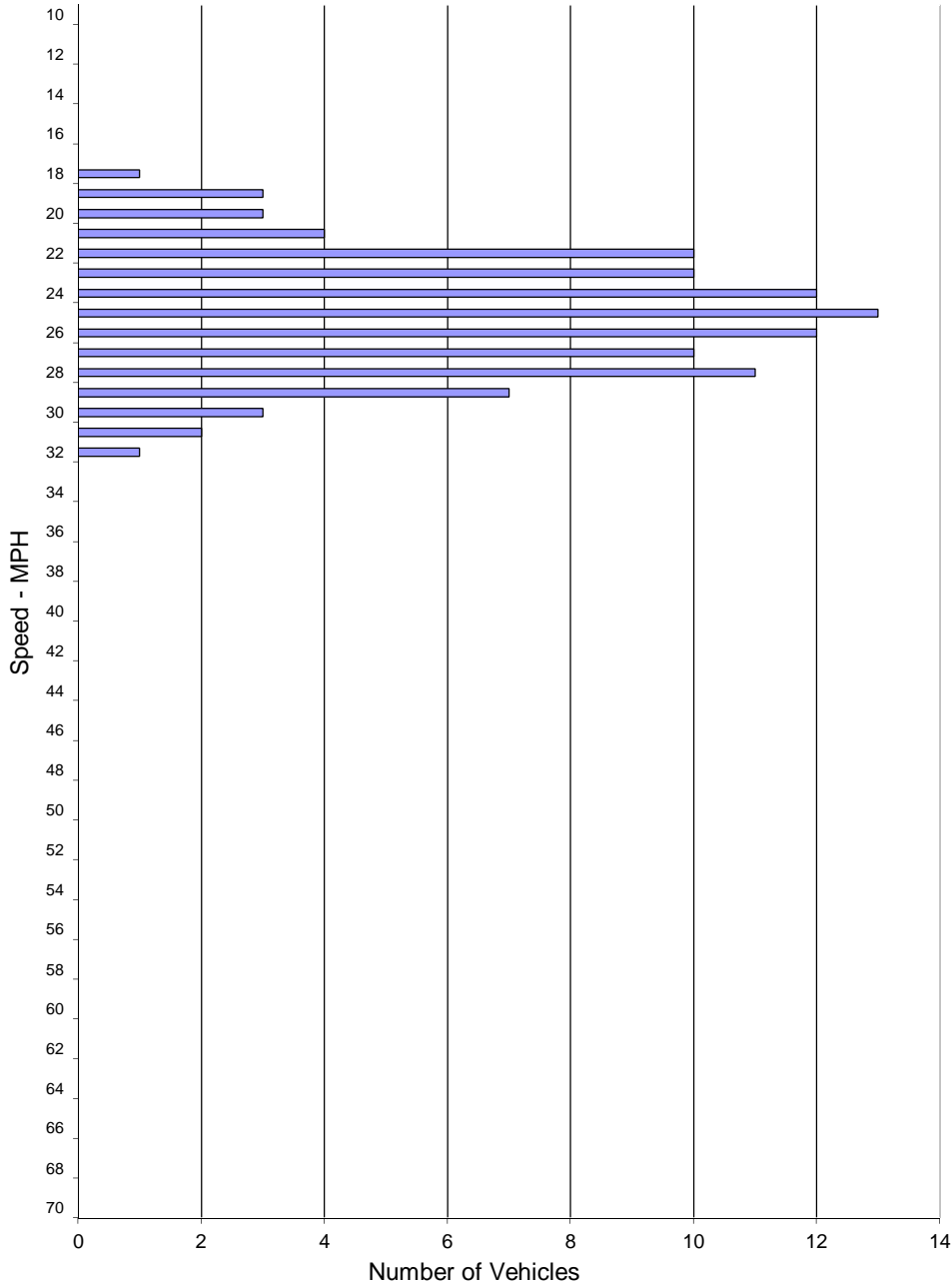
## City of West Hollywood

DATE: 6/22/2016  
DAY: Wednesday

Location: Gardner St Bet. Fountain Ave & Santa Monica Blvd  
Posted Speed: 25 MPH  
Project #: 16-5438-001

### Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	1
19	3
20	3
21	4
22	10
23	10
24	12
25	13
26	12
27	10
28	11
29	7
30	3
31	2
32	1
33	
34	
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>=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	25.1	18 - 32	25 mph	28 mph	20 - 29	92	90%	3% / 4	6% / 6

**APPENDIX E: 24-Hour Counts**

### VOLUME

Gardner St Bet. Fountain Ave & Santa Monica Blvd

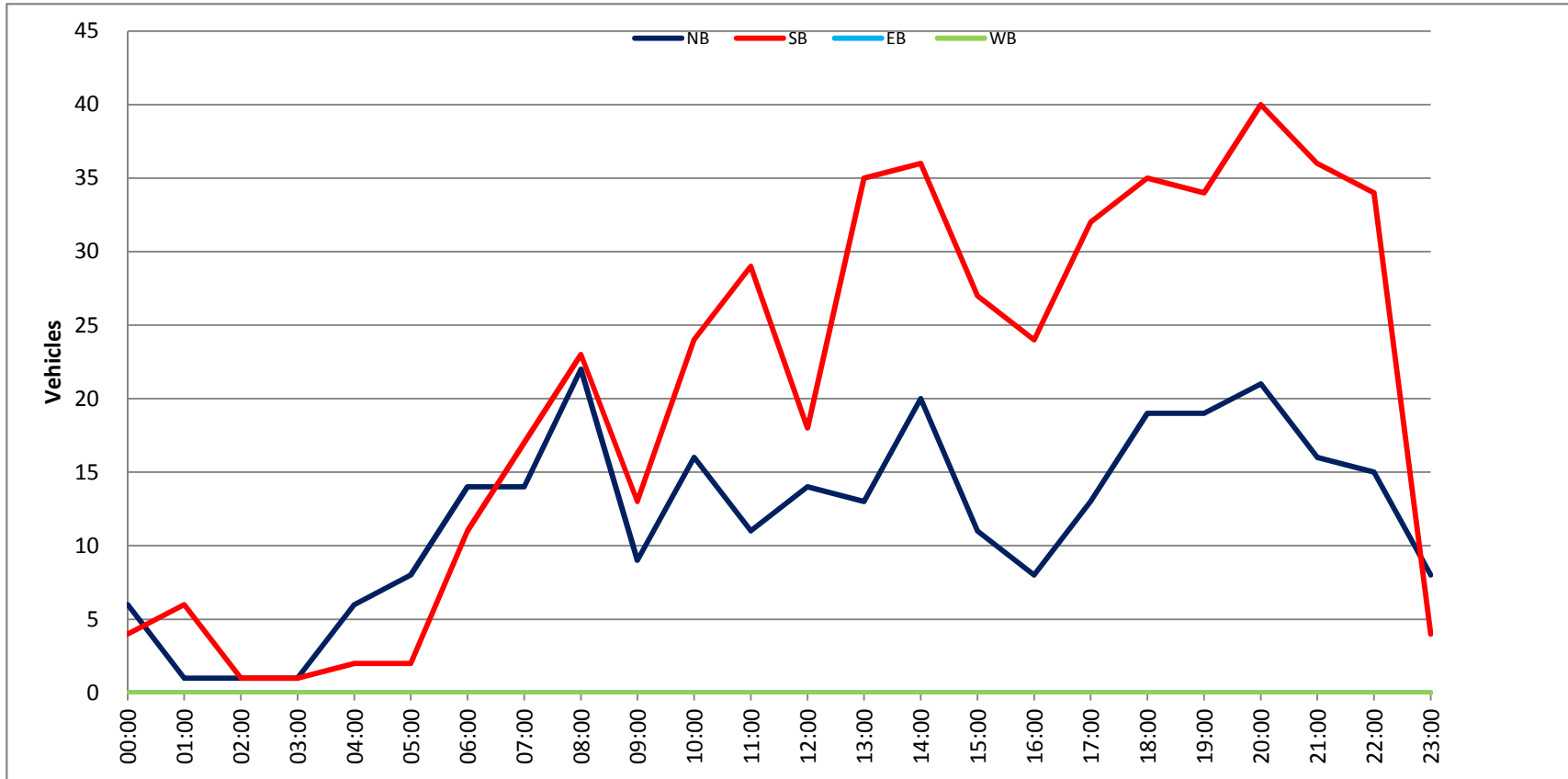
Day: Wednesday  
Date: 6/22/2016

City: West Hollywood  
Project #: CA16\_5439\_001

DAILY TOTALS					NB	SB	EB	WB	Total		
					286	488	0	0	774		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	2	2			4	12:00	2	3			5
00:15	1	1			2	12:15	2	2			4
00:30	1	1			2	12:30	6	7			13
00:45	2	6	0	4	2	12:45	4	14	6	18	10
01:00	1	1			2	13:00	5	6			11
01:15	0	1			1	13:15	3	10			13
01:30	0	2			2	13:30	1	8			9
01:45	0	1	2	6	2	13:45	4	13	11	35	15
02:00	0	0			0	14:00	5	7			12
02:15	0	1			1	14:15	4	12			16
02:30	1	0			1	14:30	4	11			15
02:45	0	1	0	1	0	14:45	7	20	6	36	13
03:00	0	0			0	15:00	6	5			11
03:15	0	1			1	15:15	2	4			6
03:30	1	0			1	15:30	1	7			8
03:45	0	1	0	1	0	15:45	2	11	11	27	13
04:00	1	1			2	16:00	1	3			4
04:15	0	0			0	16:15	2	8			10
04:30	3	1			4	16:30	2	8			10
04:45	2	6	0	2	2	16:45	3	8	5	24	8
05:00	2	1			3	17:00	4	4			8
05:15	3	0			3	17:15	4	11			15
05:30	1	0			1	17:30	4	7			11
05:45	2	8	1	2	3	17:45	1	13	10	32	11
06:00	3	1			4	18:00	3	6			9
06:15	5	4			9	18:15	7	13			20
06:30	5	3			8	18:30	6	12			18
06:45	1	14	3	11	4	18:45	3	19	4	35	7
07:00	2	4			6	19:00	4	8			12
07:15	6	3			9	19:15	6	9			15
07:30	2	5			7	19:30	3	10			13
07:45	4	14	5	17	9	19:45	6	19	7	34	13
08:00	6	4			10	20:00	6	10			16
08:15	7	7			14	20:15	7	14			21
08:30	4	5			9	20:30	4	9			13
08:45	5	22	7	23	12	20:45	4	21	7	40	11
09:00	2	4			6	21:00	5	10			15
09:15	4	3			7	21:15	4	6			10
09:30	2	3			5	21:30	4	9			13
09:45	1	9	3	13	4	21:45	3	16	11	36	14
10:00	3	3			6	22:00	5	7			12
10:15	3	6			9	22:15	4	8			12
10:30	5	8			13	22:30	5	13			18
10:45	5	16	7	24	12	22:45	1	15	6	34	7
11:00	2	6			8	23:00	1	1			2
11:15	2	5			7	23:15	2	2			4
11:30	5	13			18	23:30	2	1			3
11:45	2	11	5	29	7	23:45	3	8	0	4	3
<b>TOTALS</b>	<b>109</b>	<b>133</b>			<b>242</b>	<b>TOTALS</b>	<b>177</b>	<b>355</b>			<b>532</b>
<b>SPLIT %</b>	<b>45.0%</b>	<b>55.0%</b>			<b>31.3%</b>	<b>SPLIT %</b>	<b>33.3%</b>	<b>66.7%</b>			<b>68.7%</b>

DAILY TOTALS					NB	SB	EB	WB	Total
					286	488	0	0	774

AM Peak Hour	08:00	10:45			08:00	PM Peak Hour	19:45	13:45			19:30
AM Pk Volume	22	31			45	PM Pk Volume	23	41			63
Pk Hr Factor	0.786	0.596			0.804	Pk Hr Factor	0.821	0.854			0.750
7 - 9 Volume	36	40	0	0	76	4 - 6 Volume	21	56	0	0	77
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:45	17:00			17:00
7 - 9 Pk Volume	22	23	0	0	45	4 - 6 Pk Volume	15	32	0	0	45
Pk Hr Factor	0.786	0.821	0.000	0.000	0.804	Pk Hr Factor	0.938	0.727	0.000	0.000	0.750



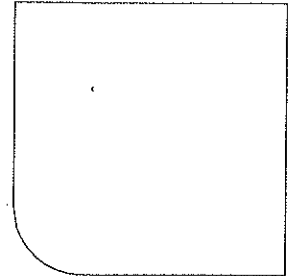
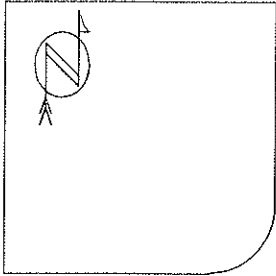


## APPENDIX F: Collision Data

# Gardner St Fountain Av to Santa Monica Bl

## 5 Accidents

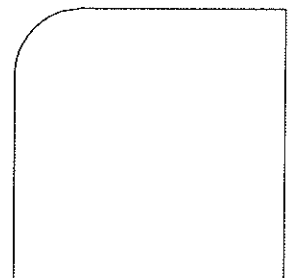
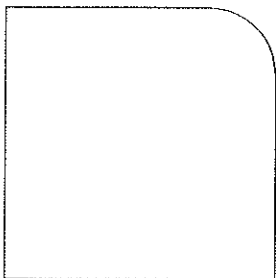
01/01/14 - 12/31/15



04/03/15 N 0  
 10/06/15 N 0

01/17/15 N 0

09/23/14 S 20  
 10/27/14 S 18



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

- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"> <li>← Straight</li> <li>← Stopped</li> <li>← Unknown</li> <li>↔ Backing</li> <li>↔ Overtaking</li> <li>↔ Sideswipe</li> </ul>  | <ul style="list-style-type: none"> <li> Parked</li> <li> Erratic</li> <li> Out of control</li> <li> Right turn</li> <li> Left turn</li> <li> U-turn</li> </ul> | <ul style="list-style-type: none"> <li>× Pedestrian</li> <li>⊗ Bicycle</li> <li>○ Injury</li> <li>⊙ Fatality</li> <li>☾ Nighttime</li> <li>⊏ DUI</li> </ul> |
| <b>Fixed objects:</b>   |  |   |
| <ul style="list-style-type: none"> <li style="width: 50%;"><input type="checkbox"/> General</li> <li style="width: 50%;"><input type="checkbox"/> Pole</li> <li style="width: 50%;"><input type="checkbox"/> Signal</li> <li style="width: 50%;"><input type="checkbox"/> Curb</li> <li style="width: 50%;"><input type="checkbox"/> Tree</li> <li style="width: 50%;"><input type="checkbox"/> Animal</li> </ul> |  |   |
| <ul style="list-style-type: none"> <li>◁ 3rd vehicle</li> <li>* Extra data</li> </ul>   |  |   |

Accident listing

01/01/2014 - 12/31/2015

Gardner St Fountain Av to Santa Monica 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
GARDNER ST	09/23/14	11:55	Tue 20	South			0	0	0	SOUTH	Pickup	Entering t	IU (H&R)	65
NORTON AV	Daylight	Side swipe	Improper turning							SOUTH	Car	Straight	HNBD (not)	26
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
GARDNER ST	10/27/14	8:55	Mon 18	South			0	0	0	SOUTH	Pickup	Left turn	HNBD (not)	31
NORTON AV	Daylight	Side swipe	Improper turning							SOUTH	Car	Straight	HNBD (not)	34
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
GARDNER ST	01/17/15	10:42	Sat 0	North			0	0	0	SOUTH	Car	Backing	IU (H&R)	0
HAMPTON AV	Daylight	Rear end	Unsafe start/back							WEST	Car	Parked	N/A	0
Clear Dry	No unusua	None	No ped involved							WEST	Car	Parked	N/A	0
SANTA MONICA	04/03/15	14:40	Fri 0	Not stated			0	1	1	EAST	Not stated	Left turn	HNBD (not)	24
GARDNER ST	Daylight	Broadside	Auto right-of-way							WEST	Not stated	Straight	HNBD (not)	26
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0
FOUNTAIN AV	10/06/15	18:55	Tue 0	Not stated			0	1	1	WEST	Car	Left turn	HNBD (not)	34
GARDNER ST	Daylight	Broadside	Auto right-of-way							EAST	Bicycle	Straight	HNBD (not)	43
Clear Dry	No unusua	Function	No ped involved							Not stated	Not stated	Not stated	Not stated	0