

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

**Cory Avenue between Sunset Boulevard and Phyllis Avenue**

This engineering and traffic survey (E&TS) was prepared for the segment of Cory Avenue between Sunset Boulevard and Phyllis Avenue 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.

Cory Avenue is designated as a local residential street in the City of West Hollywood General Plan. Cory Avenue is a high-density residential street that has an undivided roadway with parking on both sides. The street has angled parking on the west side of the street and parallel parking on the east side.

The posted speed limit for this section of Cory Avenue is 25 mph based on a 2011 E&TS. Speed data collected on April 4, 2016 revealed the 85th percentile speed to be 27 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 2-lane highway is 1.98 per million vehicle miles (MVM). With three collisions recorded over a two-year period and 5,029 average daily traffic, the collision rate has been 6.81 per MVM, which exceeds the expected rate. However, only one collision was recorded to involve unsafe speed. No downward speed zoning is recommended based on accident records.

- 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. However, an Option 1 reduction appears to be unnecessary and retaining the existing 25 mph speed limit appears reasonable.

Recommendation

Based on prevailing speeds and without the application of an Option 1 reduction, 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

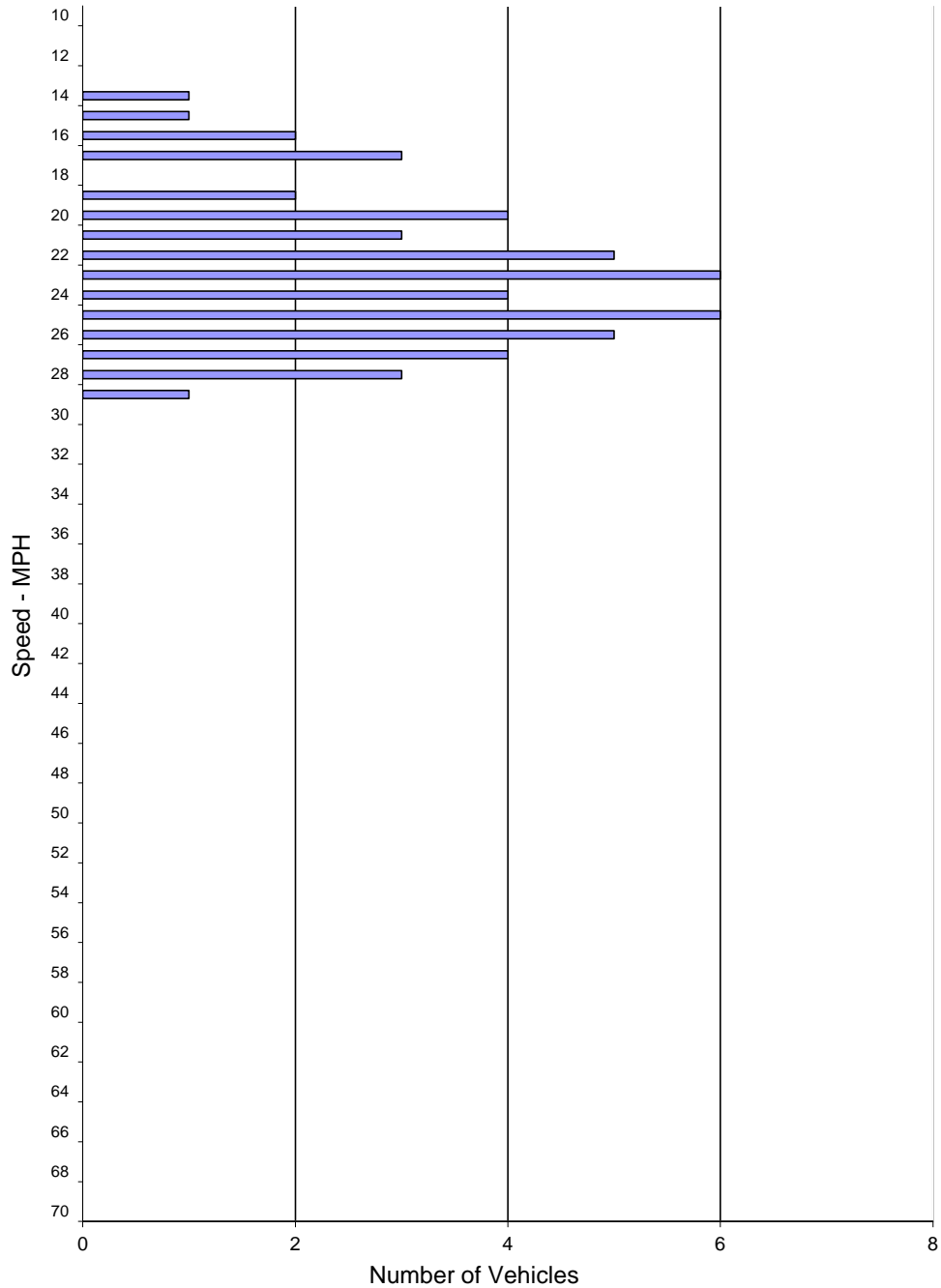
## City of West Hollywood

DATE: 4/4/2016  
DAY: Monday

Location: Cory Ave Bet. Sunset Blvd & Phyllis Ave  
Posted Speed: None Posted  
Project #: 16-5198-005

### Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	1
15	1
16	2
17	3
18	
19	2
20	4
21	3
22	5
23	6
24	4
25	6
26	5
27	4
28	3
29	1
30	
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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	50	22.8	14 - 29	23 mph	27 mph	19 - 28	42	84%	14% / 7	2% / 1

# Spot Speed Study

Prepared by: National Data & Surveying Services

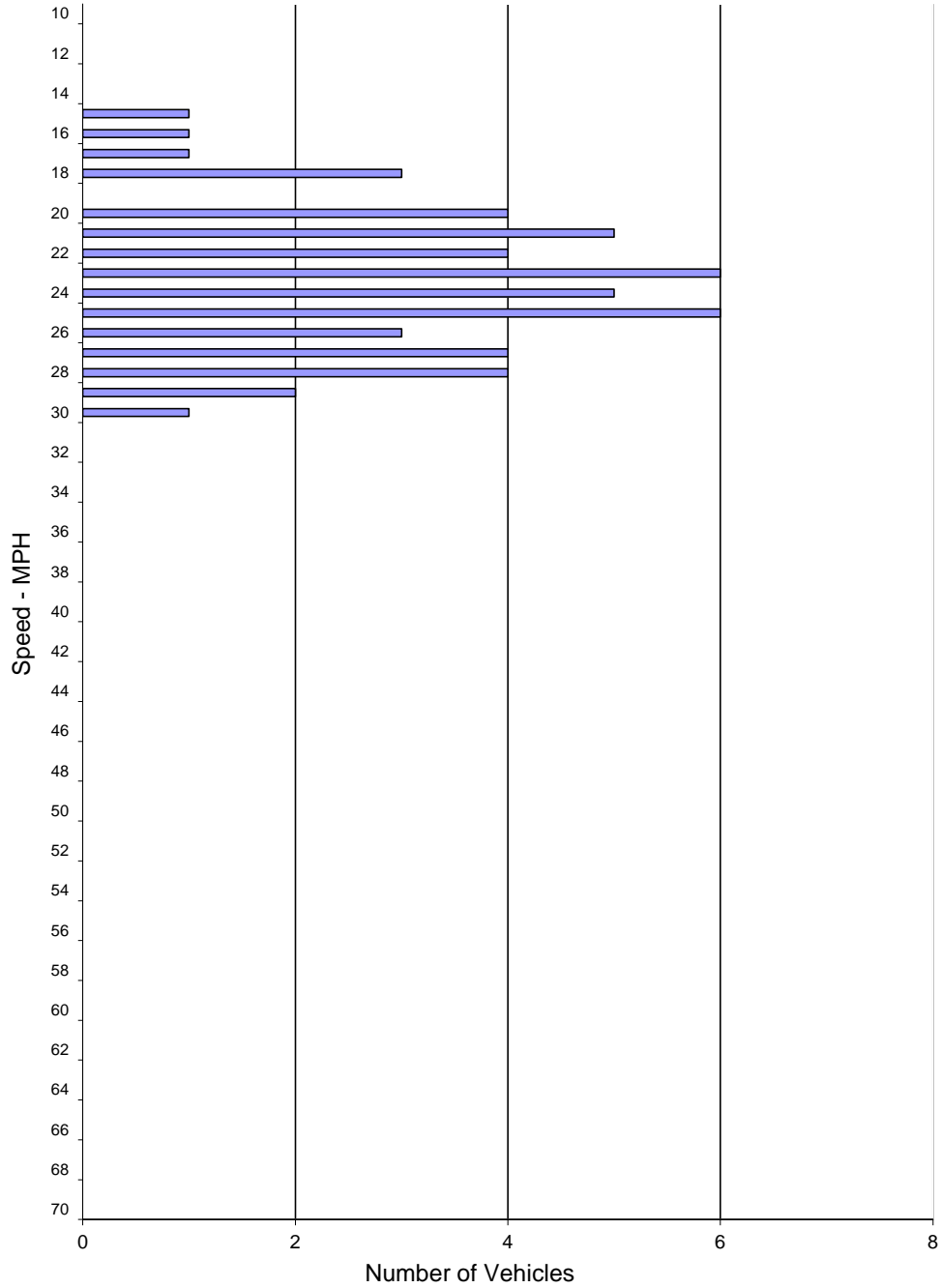
## City of West Hollywood

DATE: 4/4/2016  
DAY: Monday

Location: Cory Ave Bet. Sunset Blvd & Phyllis Ave  
Posted Speed: None Posted  
Project #: 16-5198-005

### Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	1
16	1
17	1
18	3
19	
20	4
21	5
22	4
23	6
24	5
25	6
26	3
27	4
28	4
29	2
30	1
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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	50	23.4	15 - 30	23 mph	27 mph	20 - 29	43	86%	12% / 6	2% / 1

# Spot Speed Study

Prepared by: National Data & Surveying Services

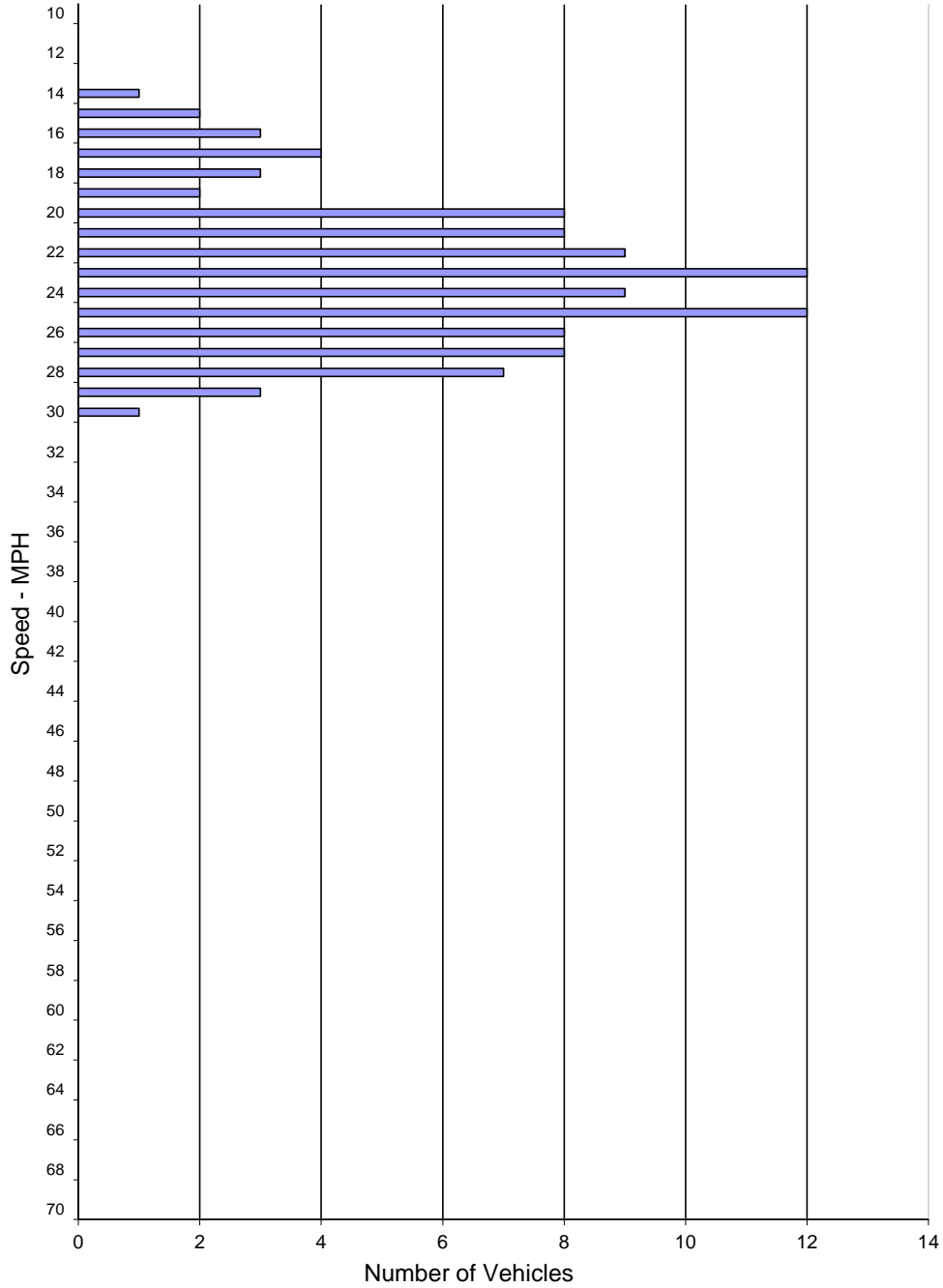
## City of West Hollywood

DATE: 4/4/2016  
DAY: Monday

Location: Cory Ave Bet. Sunset Blvd & Phyllis Ave  
Posted Speed: None Posted  
Project #: 16-5198-005

### Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	1
15	2
16	3
17	4
18	3
19	2
20	8
21	8
22	9
23	12
24	9
25	12
26	8
27	8
28	7
29	3
30	1
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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	100	23.1	14 - 30	23 mph	27 mph	20 - 29	84	84%	15% / 15	1% / 1

**APPENDIX E: 24-Hour Counts**

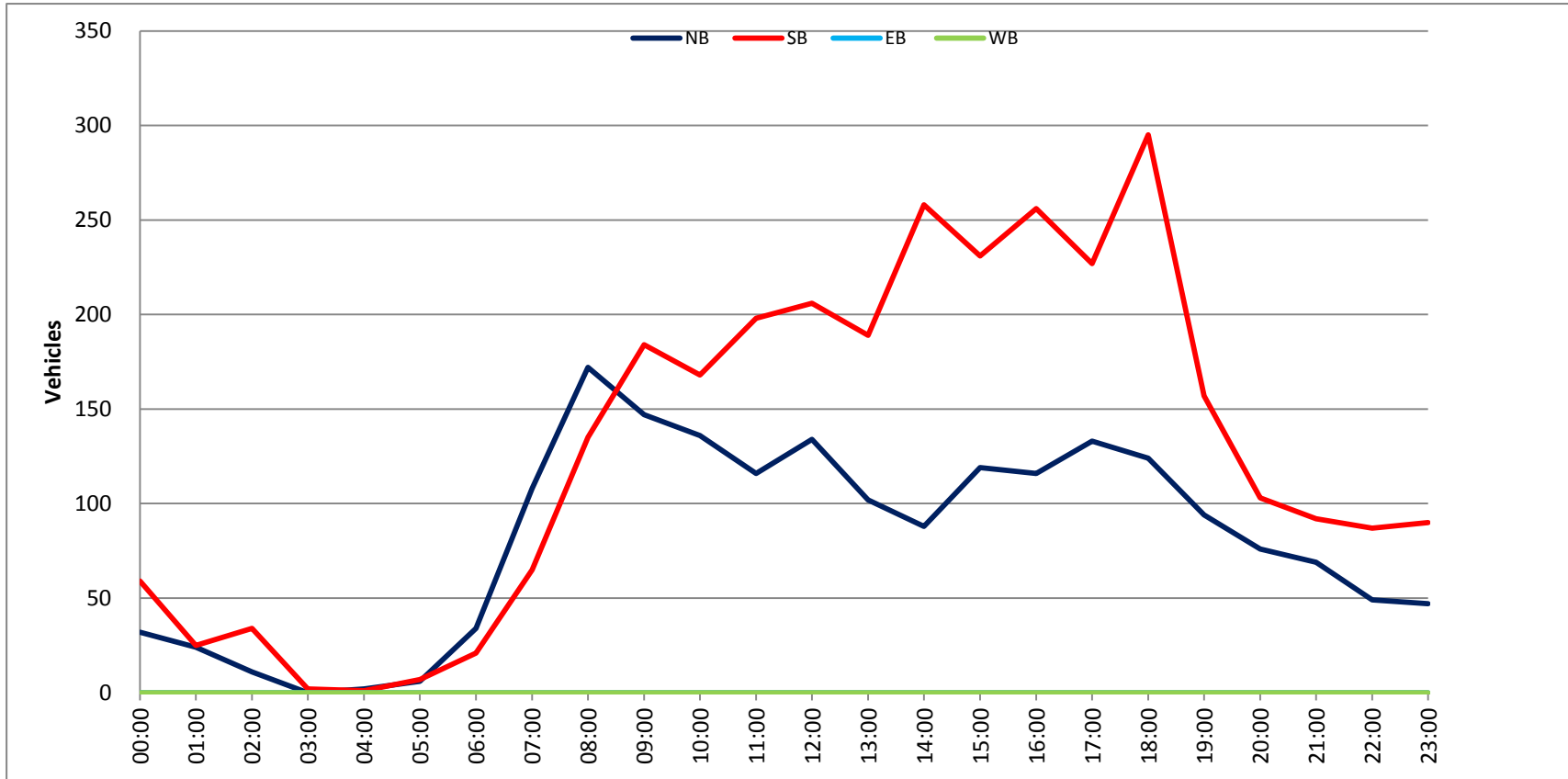
**VOLUME**

Cory Ave Bet. Sunset Blvd &amp; Phyllis Ave

Day: Thursday  
Date: 3/31/2016City: West Hollywood  
Project #: CA16\_5199\_005

DAILY TOTALS					NB	SB	EB	WB	Total		
					1,939	3,090	0	0	5,029		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	6	20			26	12:00	36	43			79
00:15	10	12			22	12:15	27	54			81
00:30	7	16			23	12:30	33	50			83
00:45	9	32	11	59	20	12:45	38	134	59	206	97
01:00	9	9			18	13:00	24	38			62
01:15	7	7			14	13:15	28	46			74
01:30	4	3			7	13:30	15	49			64
01:45	4	24	6	25	10	13:45	35	102	56	189	91
02:00	5	19			24	14:00	20	58			78
02:15	3	10			13	14:15	26	65			91
02:30	2	3			5	14:30	21	75			96
02:45	1	11	2	34	3	14:45	21	88	60	258	81
03:00	0	0			0	15:00	26	63			89
03:15	0	1			1	15:15	26	52			78
03:30	0	0			0	15:30	33	66			99
03:45	0	1	2		1	15:45	34	119	50	231	84
04:00	0	1			1	16:00	26	73			99
04:15	1	0			1	16:15	28	53			81
04:30	0	0			0	16:30	32	68			100
04:45	1	2	0	1	1	16:45	30	116	62	256	92
05:00	0	0			0	17:00	35	56			91
05:15	0	2			2	17:15	25	79			104
05:30	2	2			4	17:30	34	55			89
05:45	4	6	3	7	7	17:45	39	133	37	227	76
06:00	1	5			6	18:00	42	79			121
06:15	5	5			10	18:15	29	61			90
06:30	11	2			13	18:30	26	75			101
06:45	17	34	9	21	26	18:45	27	124	80	295	107
07:00	18	5			23	19:00	33	60			93
07:15	18	16			34	19:15	21	39			60
07:30	27	16			43	19:30	18	35			53
07:45	45	108	28	65	73	19:45	22	94	23	157	45
08:00	34	27			61	20:00	16	32			48
08:15	34	38			72	20:15	30	20			50
08:30	47	36			83	20:30	16	33			49
08:45	57	172	34	135	91	20:45	14	76	18	103	32
09:00	40	49			89	21:00	15	19			34
09:15	41	34			75	21:15	17	24			41
09:30	38	44			82	21:30	24	28			52
09:45	28	147	57	184	85	21:45	13	69	21	92	34
10:00	35	45			80	22:00	8	26			34
10:15	40	51			91	22:15	16	22			38
10:30	26	42			68	22:30	13	15			28
10:45	35	136	30	168	65	22:45	12	49	24	87	36
11:00	27	44			71	23:00	9	21			30
11:15	27	50			77	23:15	10	22			32
11:30	24	47			71	23:30	13	24			37
11:45	38	116	57	198	95	23:45	15	47	23	90	38
<b>TOTALS</b>	<b>788</b>	<b>899</b>			<b>1687</b>	<b>TOTALS</b>	<b>1151</b>	<b>2191</b>			<b>3342</b>
<b>SPLIT %</b>	<b>46.7%</b>	<b>53.3%</b>			<b>33.5%</b>	<b>SPLIT %</b>	<b>34.4%</b>	<b>65.6%</b>			<b>66.5%</b>

DAILY TOTALS					NB	SB	EB	WB	Total
					1,939	3,090	0	0	5,029
AM Peak Hour	08:30	11:45			08:30	PM Peak Hour	17:30	18:00	18:00
AM Pk Volume	185	204			338	PM Pk Volume	144	295	419
Pk Hr Factor	0.811	0.895			0.929	Pk Hr Factor	0.857	0.922	0.866
7 - 9 Volume	280	200	0	0	480	4 - 6 Volume	249	483	0
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	17:00	16:30	16:30
7 - 9 Pk Volume	172	135	0	0	307	4 - 6 Pk Volume	133	265	0
Pk Hr Factor	0.754	0.888	0.000	0.000	0.843	Pk Hr Factor	0.853	0.839	0.000



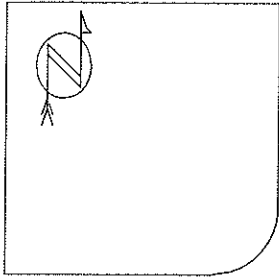


**APPENDIX F: Collision Data**

# Cory Av Sunset Bl to Phyllis St

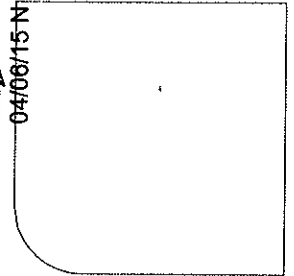
01/01/14 - 12/31/15

## 3 Accidents

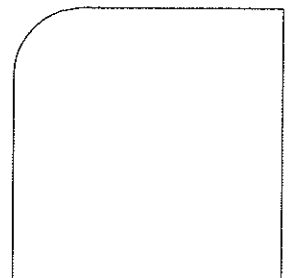
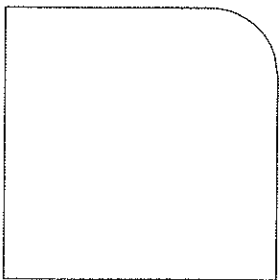


11/24/15 N O

04/06/15 N 151



08/21/15 N O



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

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

Accident listing  
 01/01/2014 - 12/31/2015  
 Cory Av Sunset Bl to Phyllis St  
 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
CORY AV	04/06/15	14:00	Mon	51	North		0		1	NORTH	Car	Other unsa	HNBD (not)	0
PHYLLIS ST	Daylight	Side swipe	Unsafe	start/back						NORTH	Car	Straight	HNBD (not)	54
Clear Dry	No unusua	None	No ped	involved						Not stated	Not stated	Not stated	Not stated	0
SUNSET BL	08/21/15	14:30	Fri	0	Not stated		0		1	WEST	Motor cycle	Straight	HNBD (not)	26
CORY AV	Daylight	Side swipe	Unsafe	speed						NORTH	Car	Left turn	HNBD (not)	28
Clear Dry	No unusua	Function	No ped	involved						Not stated	Not stated	Not stated	Not stated	0
PHYLLIS ST	11/24/15	1:13	Tue	0	Not stated		0		0	SOUTH	Car	Straight	HBD (UI)	20
CORY AV	Dark- st	Head on	DUI							Not stated	Not stated	Other VehM	Not stated	0
Clear Dry	No unusua	None	No ped	involved						Not stated	Not stated	Not stated	Not stated	0