

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

Doheny Road between west city limit and Sunset Boulevard

This engineering and traffic survey (E&TS) was prepared for the segment of Doheny Road between west city limit and Sunset 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.

Doheny Road is classified as a local street in the City of West Hollywood General Plan. The corridor contains commercial and some residential land uses. The street has one travel lane in each direction with on-street parking on the south side of the street.

The posted speed limit is 25 mph based on a 2011 E&TS. Speed data collected on April 11, 2016 revealed that the 85th percentile speed to be 29 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 highway is 1.98 per million vehicle miles (MVM). With 5 collisions recorded over a two-year period and 10,354 average daily traffic, the collision rate has been 5.09 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

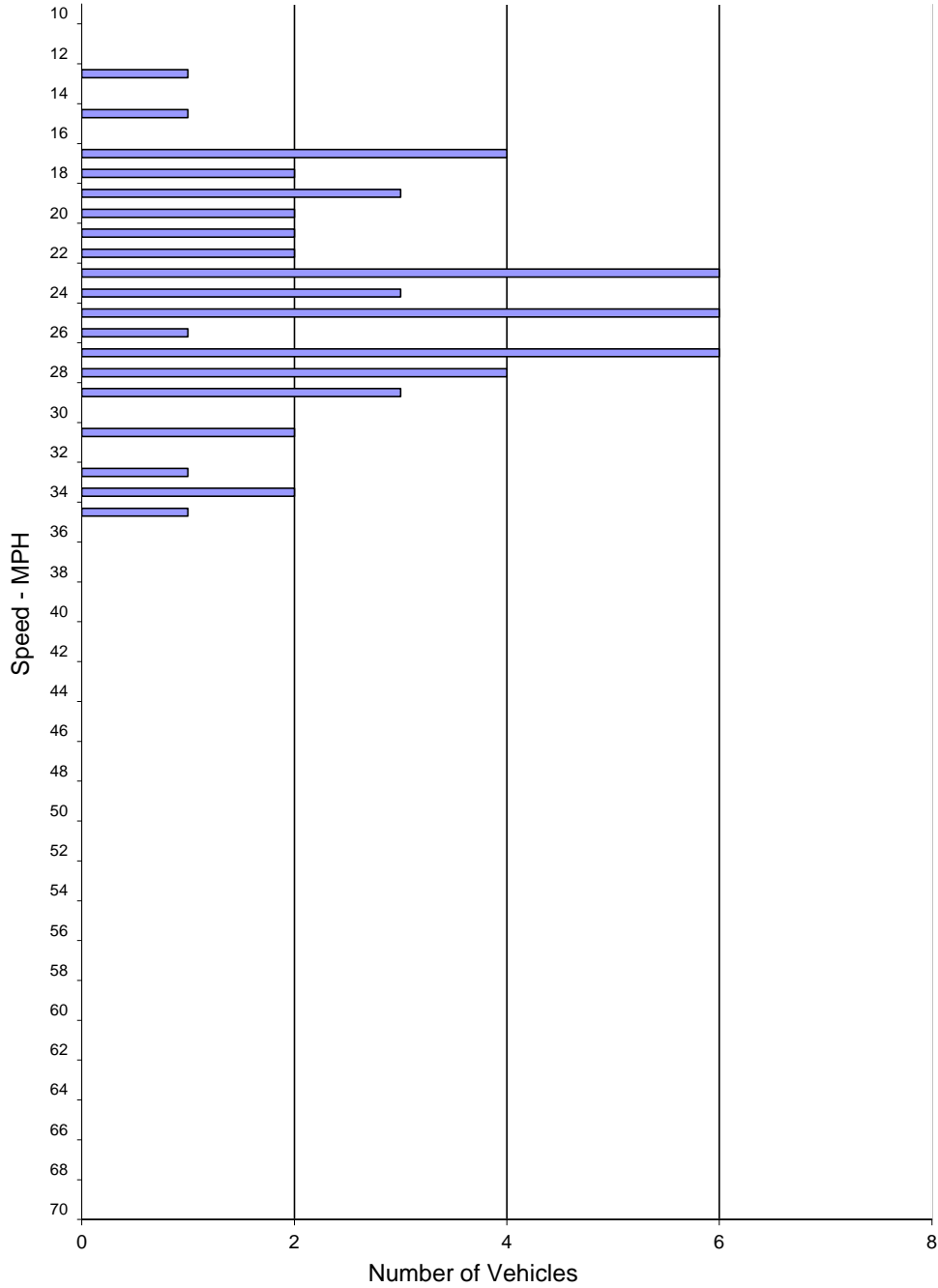
City of West Hollywood

DATE: 4/11/2016
DAY: Monday

Location: Doheny Rd Bet. West City Limit & Sunset Blvd
Posted Speed: 25 MPH Project #: 16-5198-008

Eastbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	1
14	
15	1
16	
17	4
18	2
19	3
20	2
21	2
22	2
23	6
24	3
25	6
26	1
27	6
28	4
29	3
30	
31	2
32	
33	1
34	2
35	1
36	
37	
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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	52	24.2	13 - 35	24 mph	29 mph	19 - 28	35	67%	15% / 8	18% / 9

Spot Speed Study

Prepared by: National Data & Surveying Services

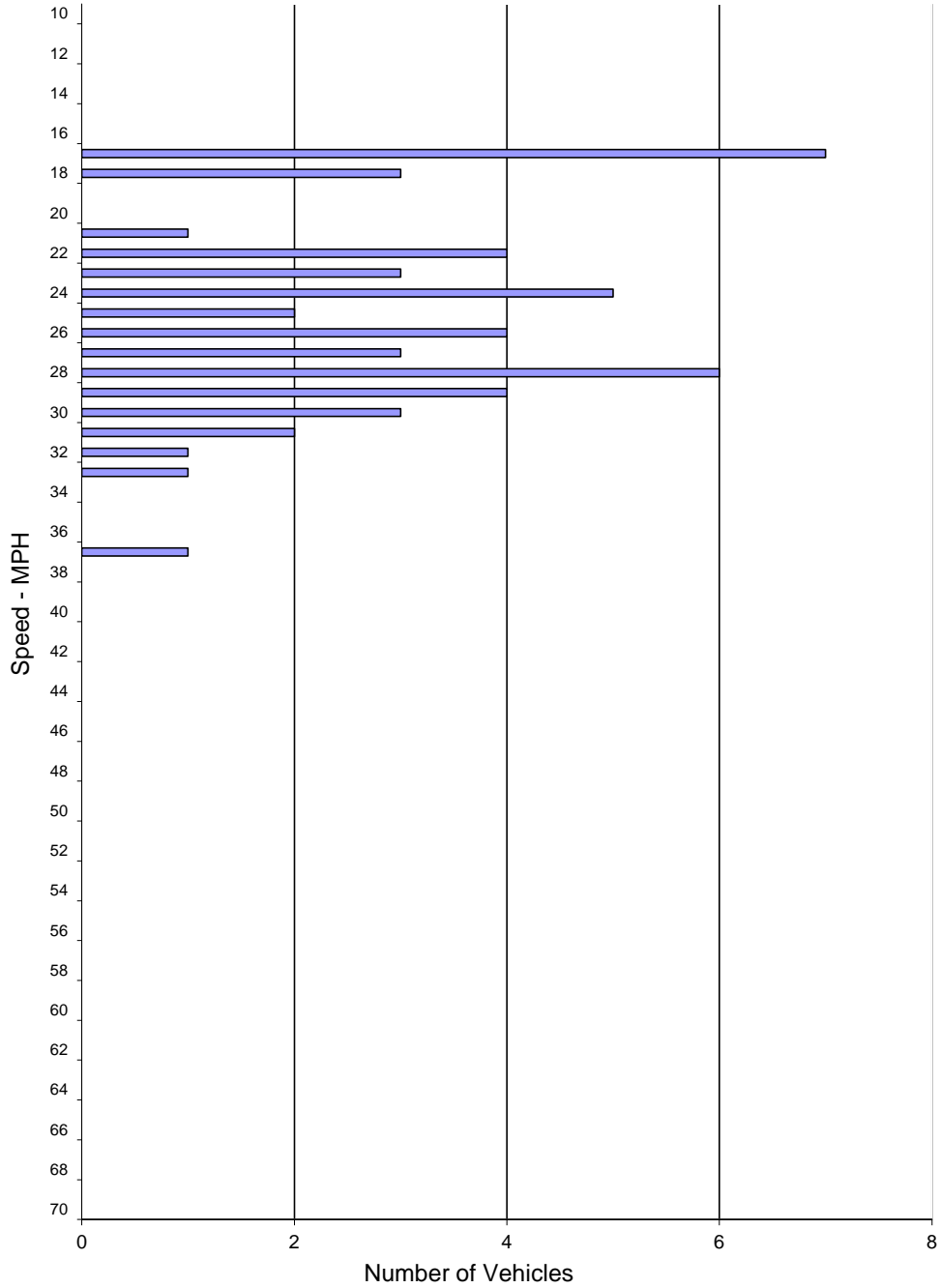
City of West Hollywood

DATE: 4/11/2016
DAY: Monday

Location: Doheny Rd Bet. West City Limit & Sunset Blvd
Posted Speed: 25 MPH Project #: 16-5198-008

Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	7
18	3
19	
20	
21	1
22	4
23	3
24	5
25	2
26	4
27	3
28	6
29	4
30	3
31	2
32	1
33	1
34	
35	
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37	1
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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	50	24.9	17 - 37	25 mph	30 mph	22 - 31	36	72%	22% / 11	6% / 3

Spot Speed Study

Prepared by: National Data & Surveying Services

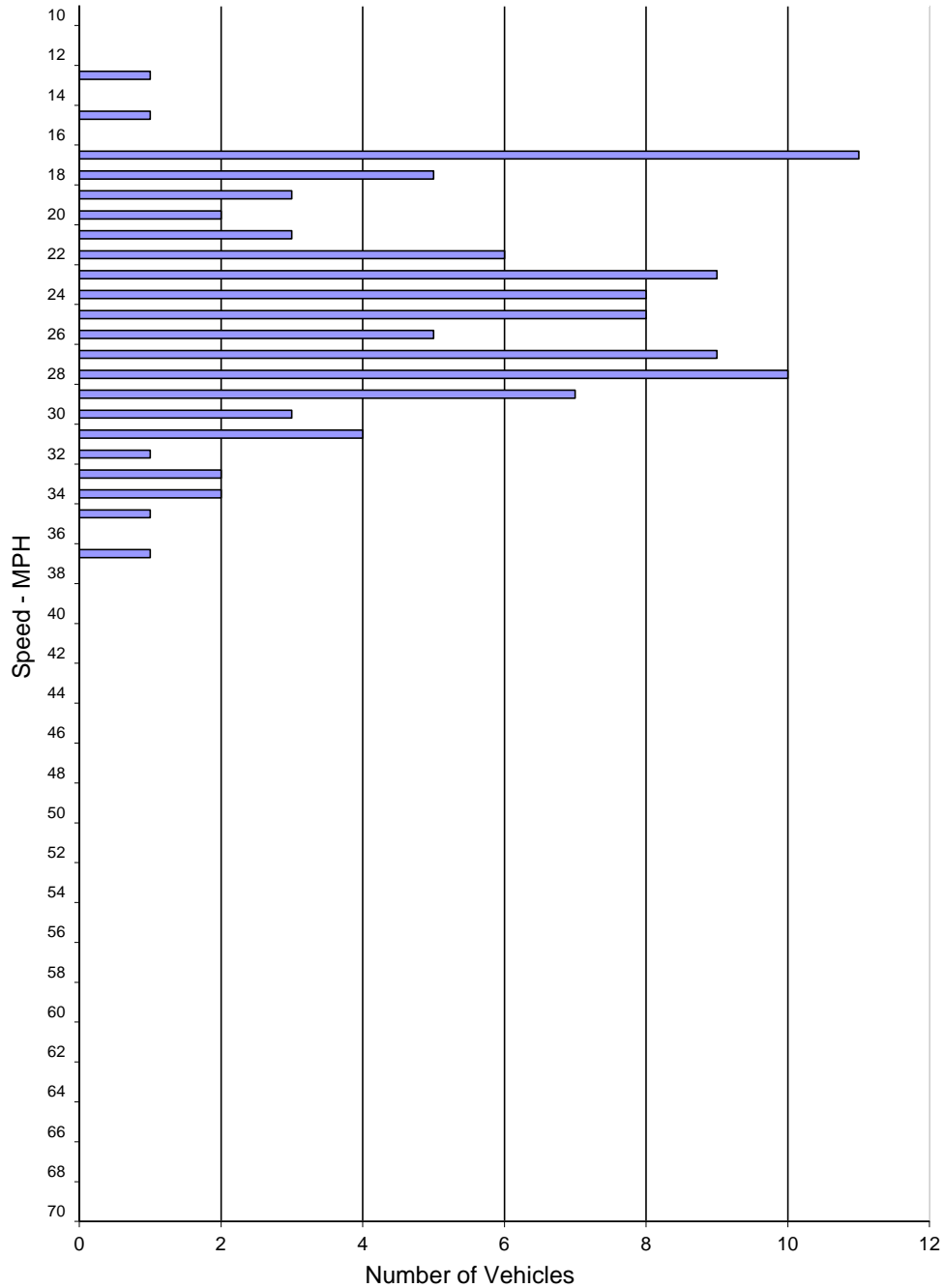
City of West Hollywood

DATE: 4/11/2016
DAY: Monday

Location: Doheny Rd Bet. West City Limit & Sunset Blvd
Posted Speed: 25 MPH Project #: 16-5198-008

Eastbound & Westbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	1
14	
15	1
16	
17	11
18	5
19	3
20	2
21	3
22	6
23	9
24	8
25	8
26	5
27	9
28	10
29	7
30	3
31	4
32	1
33	2
34	2
35	1
36	
37	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	102	24.5	13 - 37	25 mph	29 mph	22 - 31	69	68%	25% / 26	7% / 7

APPENDIX E: 24-Hour Counts

VOLUME

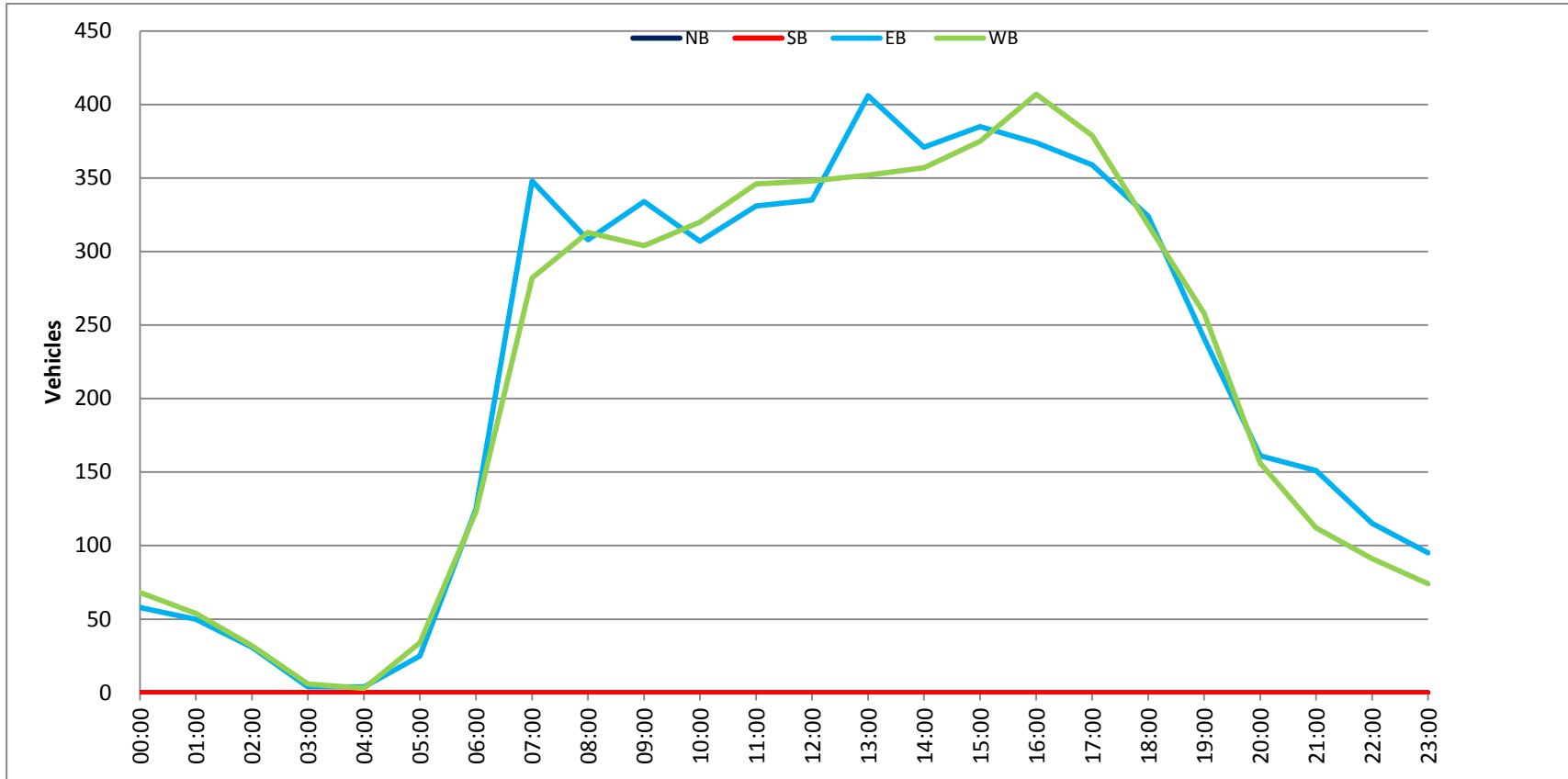
Doheny Rd Bet. West City Limit & Sunset Blvd

Day: Thursday
Date: 3/31/2016

City: West Hollywood
Project #: CA16_5199_008

DAILY TOTALS					NB	SB						Total
					0	0						10,354
							5,242			5,112		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL	
00:00			16	23	39	12:00			86	82	168	
00:15			14	17	31	12:15			73	88	161	
00:30			16	11	27	12:30			94	81	175	
00:45			12	58	17	68	12:45		82	335	97	348
01:00			9	16	25	13:00			122	96	218	
01:15			10	11	21	13:15			80	89	169	
01:30			18	14	32	13:30			81	71	152	
01:45			13	50	13	54	13:45		123	406	96	352
02:00			10	14	24	14:00			86	89	175	
02:15			11	8	19	14:15			104	91	195	
02:30			10	5	15	14:30			92	91	183	
02:45			0	31	5	32	14:45		89	371	86	357
03:00			2	2	4	15:00			88	97	185	
03:15			1	2	3	15:15			106	96	202	
03:30			1	2	3	15:30			102	87	189	
03:45			0	4	0	6	15:45		89	385	95	375
04:00			2	1	3	16:00			92	111	203	
04:15			0	0	0	16:15			105	113	218	
04:30			2	0	2	16:30			81	91	172	
04:45			0	4	2	3	16:45		96	374	92	407
05:00			0	2	2	17:00			99	109	208	
05:15			5	5	10	17:15			96	92	188	
05:30			10	14	24	17:30			94	82	176	
05:45			10	25	13	34	17:45		70	359	96	379
06:00			9	13	22	18:00			95	80	175	
06:15			23	26	49	18:15			82	98	180	
06:30			49	43	92	18:30			75	70	145	
06:45			44	125	41	123	18:45		72	324	70	318
07:00			67	54	121	19:00			76	66	142	
07:15			81	69	150	19:15			57	69	126	
07:30			75	68	143	19:30			60	67	127	
07:45			125	348	91	282	19:45		48	241	56	258
08:00			85	78	163	20:00			42	47	89	
08:15			70	76	146	20:15			45	41	86	
08:30			73	75	148	20:30			33	38	71	
08:45			80	308	84	313	20:45		41	161	30	156
09:00			82	76	158	21:00			30	27	57	
09:15			89	71	160	21:15			46	30	76	
09:30			79	83	162	21:30			38	23	61	
09:45			84	334	74	304	21:45		37	151	32	112
10:00			69	84	153	22:00			33	21	54	
10:15			79	75	154	22:15			29	29	58	
10:30			73	76	149	22:30			27	24	51	
10:45			86	307	85	320	22:45		26	115	17	91
11:00			89	86	175	23:00			24	28	52	
11:15			82	75	157	23:15			26	12	38	
11:30			62	81	143	23:30			22	18	40	
11:45			98	331	104	346	23:45		23	95	16	74
TOTALS			1925	1885	3810	TOTALS			3317	3227	6544	
SPLIT %			50.5%	49.5%	36.8%	SPLIT %			50.7%	49.3%	63.2%	

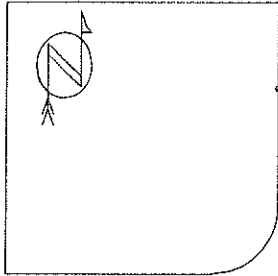
DAILY TOTALS					NB	SB						Total
					0	0						10,354
							5,242			5,112		
AM Peak Hour			07:15	11:30	11:45	PM Peak Hour			13:00	15:45	15:30	
AM Pk Volume			366	355	706	PM Pk Volume			406	410	794	
Pk Hr Factor			0.732	0.853	0.874	Pk Hr Factor			0.825	0.907	0.911	
7 - 9 Volume	0	0	656	595	1251	4 - 6 Volume	0	0	733	786	1519	
7 - 9 Peak Hour			07:15	07:45	07:45	4 - 6 Peak Hour			16:45	16:00	16:15	
7 - 9 Pk Volume	0	0	366	320	673	4 - 6 Pk Volume	0	0	385	407	786	
Pk Hr Factor	0.000	0.000	0.732	0.879	0.779	Pk Hr Factor	0.000	0.000	0.972	0.900	0.901	



APPENDIX F: Collision Data

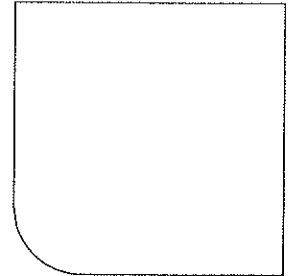
Doheny Rd Sierra Alta Wy to Sunset Bl

5 Accidents 01/01/14 - 12/31/15



07/11/14 W 60

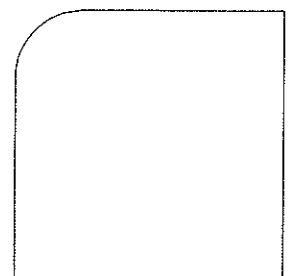
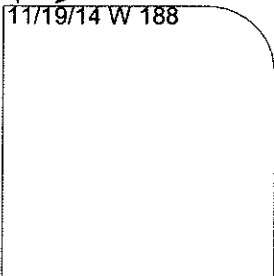
07/17/14 W 175



05/04/15 W 117

05/23/15 W 210

11/19/14 W 188



(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

Doheny Rd Sierra Alta Wy to Sunset 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
SUNSET BL	07/11/14	8:20	Fri	60	West			0	0	WEST	Car	Changing l	IU (H&R)	0
DOHENY RD	Daylight	Side swipe	Unsafe	lane change						WEST	Car	Straight	HNBD (not)	27
Clear Dry	No unusua	Function	No ped	involved						Not stated	Not stated	Not stated	Not stated	0
SUNSET BL	07/17/14	0:29	Thu	175	West			0	0	WEST	Not stated	Straight	IU (H&R)	0
DOHENY RD	Dark- st	Rear end	Not stated							WEST	Car	Parked	HBD (NOT UI)	0
Clear Dry	No unusua	None	No ped	involved						Not stated	Not stated	Not stated	Not stated	0
SUNSET BL	11/19/14	23:18	Wed	188	West			0	1	EAST	Car	Straight	HBD (NOT UI)	21
DOHENY RD	Dark- st	Side swipe	Unsafe	speed						EAST	Car	Stopped	HBD (NOT UI)	32
Clear Dry	No unusua	None	No ped	involved						EAST	Car	Parked	HBD (NOT UI)	0
SUNSET BL	05/04/15	20:46	Mon	117	West			0	1	EAST	Car	Straight	HNBD (not)	29
DOHENY RD	Dark- st	Rear end	Unsafe	speed						EAST	Car	Stopped	HNBD (not)	19
Clear Dry	No unusua	Function	No ped	involved						Not stated	Not stated	Not stated	Not stated	0
SUNSET BL	05/23/15	0:27	Sat	210	West			0	0	EAST	Not stated	Backing	IU (H&R)	0
DOHENY RD	Dark- st	Rear end	Unsafe	start/back						EAST	Car	Parked	N/A	0
Clear Dry	No unusua	None	No ped	involved						Not stated	Not stated	Not stated	Not stated	0