

CITY OF WEST HOLLYWOOD

DEPARTMENT OF PUBLIC WORKS

Engineering and Traffic Survey, October 2016

Doheny Drive between the south city limit and Santa Monica Boulevard for the northbound direction

This engineering and traffic survey (E&TS) was prepared for the segment of Doheny Drive between the south city limit and Santa Monica Boulevard for the northbound direction. The southbound direction of this Doheny Drive segment is under the jurisdiction of Beverly Hills. This E&TS is prepared 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 Drive is designated as a collector in the City of West Hollywood General Plan. The primary adjacent land-use along this section is multi-level residential units with several driveways exiting directly into the collector.

The posted speed limit for this segment of Doheny Drive is 35 mph based on a 2011 E&TS. Speed data collected on April 4, 2016 revealed the 85th percentile speed to be 35 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 7 collisions recorded over a two-year period and 7,563 average daily traffic, the collision rate has been 4.70 per MVM, which exceeds the expected rate. However, only 2 collisions involved unsafe speeds. 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 35 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 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

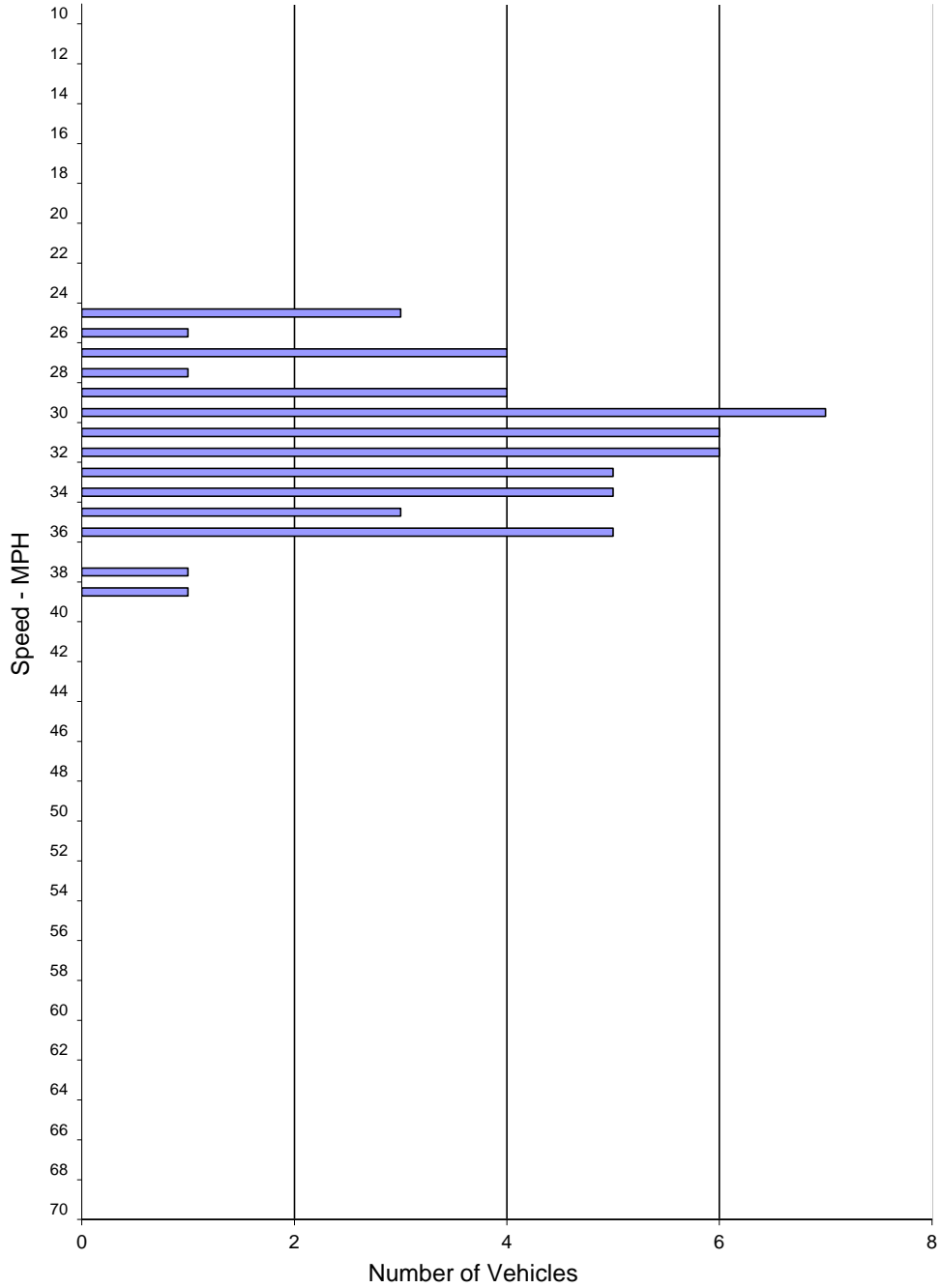
City of West Hollywood

DATE: 4/11/2016
DAY: Monday

Location: Doheny Dr NB N/O Rosewood Ave
Posted Speed: 35 MPH
Project #: 16-5198-007

Northbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	3
26	1
27	4
28	1
29	4
30	7
31	6
32	6
33	5
34	5
35	3
36	5
37	
38	1
39	1
40	
41	
42	
43	
44	
45	
46	
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57	
58	
59	
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	52	31.5	25 - 39	31 mph	35 mph	27 - 36	46	88%	7% / 4	4% / 2

APPENDIX E: 24-Hour Counts

VOLUME

Doheny Dr NB N/O Rosewood Ave

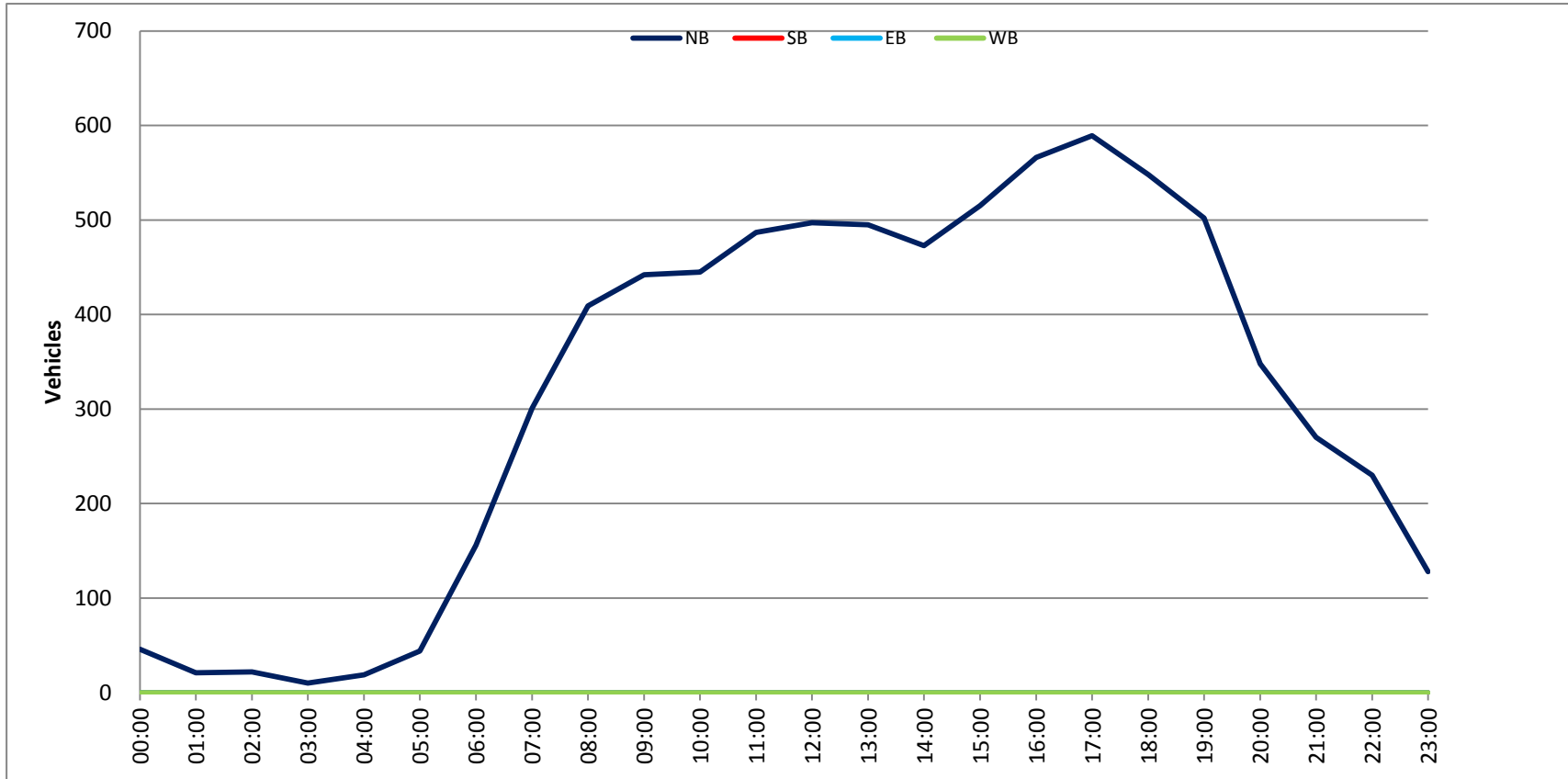
Day: Tuesday
Date: 4/5/2016

City: West Hollywood
Project #: CA16_5199_007

DAILY TOTALS					NB	SB	EB	WB	Total		
					7,563	0	0	0	7,563		
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	14	0			14	12:00	122	0			122
00:15	6	0			6	12:15	129	0			129
00:30	15	0			15	12:30	124	0			124
00:45	11	46	0		11	12:45	122	497	0		122
01:00	8	0			8	13:00	121	0			121
01:15	7	0			7	13:15	137	0			137
01:30	3	0			3	13:30	108	0			108
01:45	3	21	0		3	13:45	129	495	0		129
02:00	6	0			6	14:00	114	0			114
02:15	4	0			4	14:15	125	0			125
02:30	5	0			5	14:30	100	0			100
02:45	7	22	0		7	14:45	134	473	0		134
03:00	4	0			4	15:00	137	0			137
03:15	2	0			2	15:15	130	0			130
03:30	3	0			3	15:30	120	0			120
03:45	1	10	0		1	15:45	128	515	0		128
04:00	7	0			7	16:00	149	0			149
04:15	3	0			3	16:15	141	0			141
04:30	3	0			3	16:30	147	0			147
04:45	6	19	0		6	16:45	129	566	0		129
05:00	6	0			6	17:00	137	0			137
05:15	8	0			8	17:15	144	0			144
05:30	9	0			9	17:30	152	0			152
05:45	21	44	0		21	17:45	156	589	0		156
06:00	18	0			18	18:00	123	0			123
06:15	40	0			40	18:15	126	0			126
06:30	38	0			38	18:30	140	0			140
06:45	60	156	0		60	18:45	159	548	0		159
07:00	64	0			64	19:00	132	0			132
07:15	65	0			65	19:15	132	0			132
07:30	73	0			73	19:30	135	0			135
07:45	99	301	0		99	19:45	103	502	0		103
08:00	86	0			86	20:00	96	0			96
08:15	103	0			103	20:15	95	0			95
08:30	111	0			111	20:30	82	0			82
08:45	109	409	0		109	20:45	75	348	0		75
09:00	120	0			120	21:00	73	0			73
09:15	103	0			103	21:15	63	0			63
09:30	108	0			108	21:30	60	0			60
09:45	111	442	0		111	21:45	74	270	0		74
10:00	109	0			109	22:00	66	0			66
10:15	109	0			109	22:15	61	0			61
10:30	95	0			95	22:30	60	0			60
10:45	132	445	0		132	22:45	43	230	0		43
11:00	103	0			103	23:00	47	0			47
11:15	126	0			126	23:15	29	0			29
11:30	127	0			127	23:30	26	0			26
11:45	131	487	0		131	23:45	26	128	0		26
TOTALS	2402				2402	TOTALS	5161				5161
SPLIT %	100.0%				31.8%	SPLIT %	100.0%				68.2%

DAILY TOTALS					NB	SB	EB	WB	Total
					7,563	0	0	0	7,563

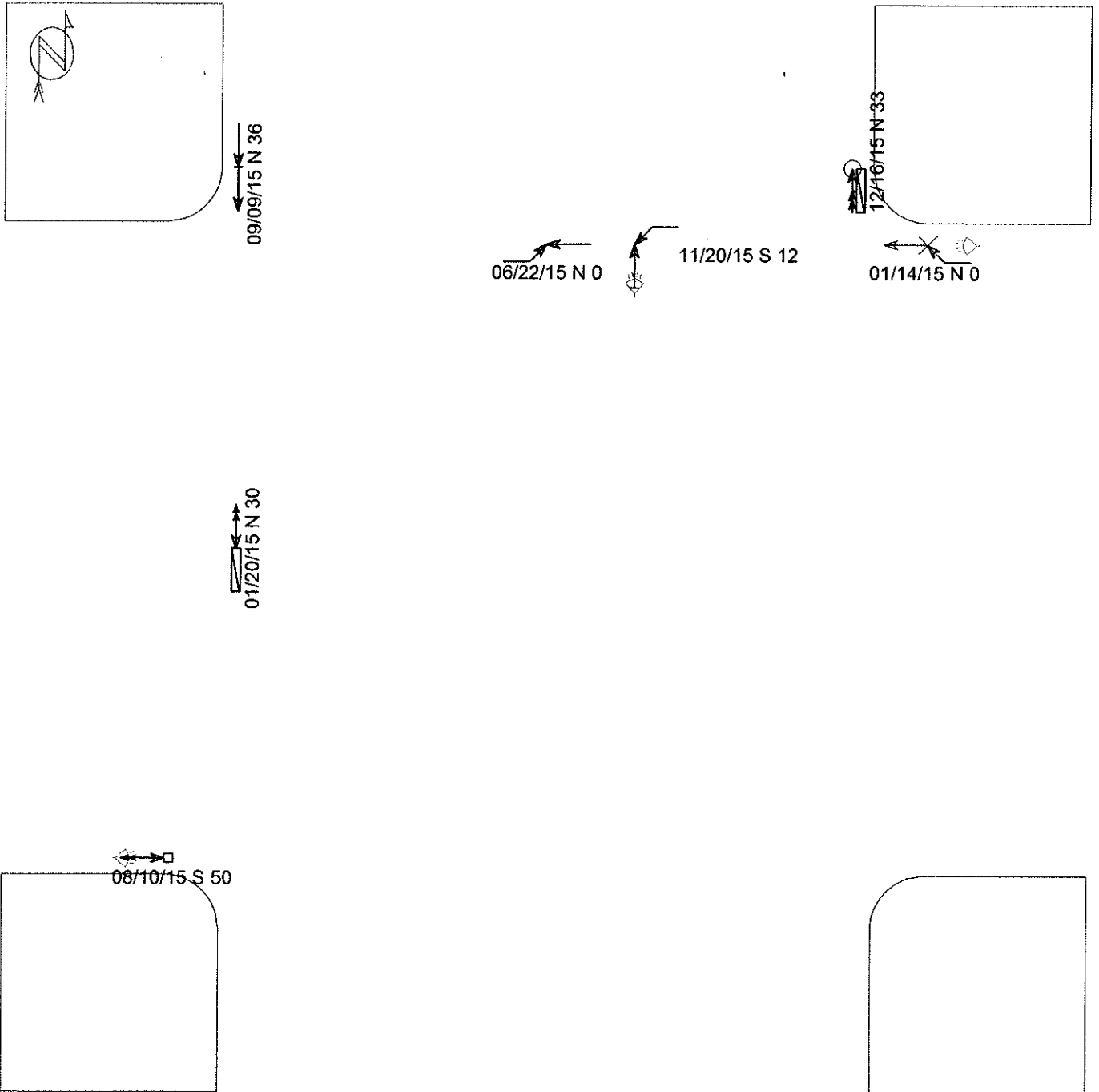
AM Peak Hour	11:30			11:30	PM Peak Hour	17:00			17:00
AM Pk Volume	509			509	PM Pk Volume	589			589
Pk Hr Factor	0.971			0.971	Pk Hr Factor	0.944			0.944
7 - 9 Volume	710	0	0	710	4 - 6 Volume	1155	0	0	1155
7 - 9 Peak Hour	08:00			08:00	4 - 6 Peak Hour	17:00			17:00
7 - 9 Pk Volume	409	0	0	409	4 - 6 Pk Volume	589	0	0	589
Pk Hr Factor	0.921	0.000	0.000	0.921	Pk Hr Factor	0.944	0.000	0.000	0.944



APPENDIX F: Collision Data

Doheny Dr Santa Monica Bl to Beverly Bl

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



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

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

Accident listing

01/01/2014 - 12/31/2015

Doheny Dr 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
DOHENY DR	01/14/15	18:54	Wed	0	Not stated	0	1	WEST	Car	Right turn	HNBD (not)	51		
BEVERLY BL	Dark-	st	Broadside	Ped	right-of-way			WEST	Pedestrian	Other VehM	HNBD (not)	59		
Clear	Dry	No unusua	Function	In	x-walk at int			Not stated	Not stated	Not stated	Not stated	0		
DOHENY DR	01/20/15	12:40	Tue	30	North	0	0	SOUTH	Car	Backing	HNBD (not)	71		
DORRINGTON A	Daylight	Other	Coll	Unsafe	start/back			NORTH	Car	Parked	HNBD (not)	37		
Cloudy	Dry	No unusua	None	No ped	involved			Not stated	Not stated	Not stated	Not stated	0		
SANTA MONICA	06/22/15	18:00	Mon	0	Not stated	0	3	EAST	Car	Left turn	N/A	56		
DOHENY DR	Daylight	Broadside	Other	hazardous				WEST	Car	Straight	N/A	33		
Clear	Dry	No unusua	Function	No ped	involved			Not stated	Not stated	Not stated	Not stated	0		
DOHENY DR	08/10/15	23:30	Mon	50	South	0	0	EAST	Car	Backing	IU (H&R)	0		
ROSEWOOD AV	Dark-	st	Rear end	Unsafe	start/back			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		
DOHENY DR	09/09/15	18:28	Wed	36	North	0	0	SOUTH	Car	Straight	IU (H&R)	0		
BEVERLY BL	Daylight	Rear end	Unsafe	speed				SOUTH	Car	Stopped	HNBD (not)	35		
Clear	Dry	No unusua	Function	No ped	involved			Not stated	Not stated	Not stated	Not stated	0		
DOHENY DR	11/20/15	23:00	Fri	12	South	0	0	NORTH	Not stated	Stopped	IU (H&R)	0		
DORRINGTON A	Dark-	st	Broadside	Improper	turning			WEST	Car	Left turn	HNBD (not)	59		
Clear	Dry	No unusua	None	No ped	involved			Not stated	Not stated	Not stated	Not stated	0		
DOHENY DR	12/16/15	16:25	Wed	33	North	0	2	NORTH	Motor cycle	Passing ve	HNBD (not)	43		
DORRINGTON A	Daylight	Side swipe	Not	stated				NORTH	Car	Parked	HNBD (not)	0		
Cloudy	Dry	No unusua	None	No ped	involved			Not stated	Not stated	Not stated	Not stated	0		