

To: Mike Harlan, Blue Mountain Communities
From: Robert Paderna, P.E., Kimley-Horn
Zachary Ramalingam, EIT, Kimley-Horn
Re: **Summer Brook**
Traffic Signal Warrant Evaluation - Green Valley Road at Deer Valley Road
Date: June 4, 2021

2021 JUN 18 AM 11:25
RECEIVED
PLANNING DEPARTMENT

The purpose of this memorandum is to present the results of the traffic signal warrant evaluation completed for the Green Valley Road and Deer Valley Road intersection in El Dorado County, CA. We understand that El Dorado County has requested completion of the traffic signal warrant evaluation for the subject intersection as part of a condition of approval (COA) for the Summer Brook development project. This memorandum summarizes the signal warrant evaluation and our findings.

Data Collection

Kimley-Horn completed a site visit of the subject intersection on Monday, February 18, 2019, to observe posted speed limits, intersection lane configurations, and intersection geometry. Additionally, we collected 7-day, bi-directional roadway segment counts along each of the Green Valley Road and Deer Valley Road approaches to the subject intersection on the week of May 11, 2021. In addition, we collected intersection turning movement counts during the peak 8-hour window on May 26, 2021 for use in the traffic signal warrant evaluation. The traffic count data sheets are provided in **Attachment A**.

Traffic Control Warrants

We completed a traffic signal warrant evaluation for the subject intersection based on the methodologies noted in Section 4C.01 of the *California Manual on Uniform Traffic Control Devices (CMUTCD), 2014 Edition (with March 2018 revisions)*. The warrant evaluation was completed for the Existing plus Project traffic conditions and included the review of Warrants 1 through 4 noted below.

- **Warrant 1 (Eight-Hour Vehicular Volume)** is intended for application at locations where there is either a large volume of intersecting traffic (Condition A-Warrant 1A) or where the traffic volume on a major street is so heavy that the traffic on the minor intersecting street experiences delay or conflict in entering or crossing the major street (Condition B-Warrant 1B). The need for a traffic control signal shall be considered if an engineering study finds that one of the conditions (Condition A and Condition B) exist for each of any 8 hours of an average day.
- **Warrant 2 (Four-Hour Vehicular Volume)** is intended for locations where the volume of intersecting traffic is the principal reason to consider installing a traffic control signal. The need for a traffic control signal shall be considered if an engineering study finds that, for each of any 4 hours of an average day the volume conditions are met.
- **Warrant 3 (Peak Hour)** is intended for use at a location where during any one (1) hour of an average day the minor street traffic experiences undue delay when entering or crossing the major street.
- **Warrant 4 (Pedestrian Volumes)** The Pedestrian Volume signal warrant is intended for application where the traffic volume on a major street is so heavy that pedestrians experience excessive delay in crossing the major street.

TM-R21-0001



Based on the evaluation of the abovementioned traffic signal warrants , it was determined that the warrant for a traffic signal at the Green Valley Road at Deer Valley Road intersection is not satisfied under Existing plus Project conditions. The results of the warrant evaluation is summarized in **Table 1** below. Summary sheets for the warrant evaluation are included as **Attachment B**.

Table 1: Traffic Signal Warrant Evaluation Summary

Intersection	Traffic Signal Warrant			
	Warrant 1 8-hour volume	Warrant 2 4-hour volume	Warrant 3 Peak Hour	Warrant 4 Pedestrian Volume
Green Valley Road & Deer Valley Road	Not Satisfied	Not Satisfied	Not Satisfied	Not Satisfied

Equitable Share Responsibility

Because it was determined that the traffic signal warrant is not satisfied, the County has requested that the project applicant determine the project’s fair share percentage of the construction costs to install a traffic signal at the subject intersection. The project’s fair share contribution was calculated based on the project’s proportionate traffic contribution to the overall future traffic volumes at the subject intersection. Based on the Caltrans *Guide for the Preparation of Traffic Impact Studies* (2002), the fair share calculation for impacts at an intersection is calculated using the following equation:

$$P = T / (T_B - T_E)$$

Where:

P = The equitable share for the proposed project’s traffic impact.

T = The vehicle trips generated by the project during the peak hour of subject intersection in vehicles per hour, vph.

T_B = The forecasted traffic volume on impacted intersection at the time of general plan build-out, vph.

T_E = The existing traffic volume on the impacted intersection plus other approved projects that will generate traffic that has yet to be constructed/opened, vph.

Based on proposed project trips and traffic volumes contained in the *Summer Brook Traffic Impact Analysis* (dated February 14, 2007), we calculated a fair share of 3.9% for the proposed project’s traffic impact.

Summary and Recommendations

Based on the traffic signal warrant criteria contained in the *CMUTCD*, the Warrants 1 through 4 are not satisfied at the Green Valley Road at Deer Valley Road intersection under Existing plus Project conditions. Therefore, no traffic control or other intersection control modifications are required at this time. The proposed project’s fair share contribution percentage of construction costs to install a traffic signal was calculated to be 3.9%, which is equivalent to approximately \$10,000 to \$12,000. Note that this represents an opinion of probable construction costs under current market conditions, and Kimley-Horn cannot guarantee accuracy of construction cost estimates in future years due to factors beyond our control.

Attachments:

Attachment A – Traffic Counts

Attachment B – Warrant Analysis Worksheets

National Data & Surveying Services Intersection Turning Movement Count

Location: Green Valley Rd & Deer Valley Rd
 City: Rescue
 Control: 2-Way Stop(EB/WB)

Project ID: 21-070070-001
 Date: 5/26/2021

Data - Total

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Deer Valley Rd				Deer Valley Rd				
NOON	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	1 NL	1 NT	1 NR	0 NU	1 SL	1 ST	1 SR	0 SU	0 EL	1 ET	0 ER	0 EU	0 WL	1 WT	0 WR	0 WU	
11:00 AM	3	88	1	0	9	74	4	0	2	0	5	0	1	0	5	0	
11:15 AM	5	85	1	0	4	85	3	0	3	0	4	0	2	1	6	0	
11:30 AM	2	83	3	0	6	91	5	0	5	0	7	0	1	0	5	0	
11:45 AM	3	108	2	0	2	79	4	0	3	1	5	0	4	1	8	0	
12:00 PM	4	81	4	0	4	86	6	0	1	0	2	0	2	0	13	0	
12:15 PM	7	96	0	2	6	93	3	0	7	0	5	0	1	0	6	0	
12:30 PM	2	98	0	0	5	89	5	0	4	0	2	0	2	0	10	0	
12:45 PM	4	108	4	0	5	102	4	0	6	0	3	0	0	0	9	0	
1:00 PM	4	97	4	0	10	105	6	0	1	1	3	0	4	1	4	0	
1:15 PM	11	93	6	0	5	113	2	0	1	1	3	0	4	1	4	0	
1:30 PM	2	94	3	1	9	99	7	0	5	0	3	0	4	0	5	0	
1:45 PM	8	96	1	0	11	88	5	0	4	1	6	0	1	2	1	0	
TOTAL VOLUMES:	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	55	1127	33	3	76	1104	54	0	44	3	48	0	24	5	73	0	2649
APPROACH %'s:	4.52%	92.53%	2.71%	0.25%	6.16%	89.47%	4.38%	0.00%	46.32%	3.16%	50.53%	0.00%	23.53%	4.90%	71.57%	0.00%	
PEAK HR:	12:45 PM - 01:45 PM																TOTAL
PEAK HR VOL:	21	392	21	1	29	419	19	0	15	1	12	0	10	1	19	0	960
PEAK HR FACTOR:	0.477	0.907	0.656	0.250	0.725	0.927	0.679	0.000	0.625	0.250	1.000	0.000	0.625	0.250	0.528	0.000	0.980
	0.938				0.965				0.778				0.833				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	1 NL	1 NT	1 NR	0 NU	1 SL	1 ST	1 SR	0 SU	0 EL	1 ET	0 ER	0 EU	0 WL	1 WT	0 WR	0 WU	
2:00 PM	4	93	1	0	7	126	0	0	6	1	8	0	2	0	5	0	
2:15 PM	9	86	7	1	7	124	9	0	3	0	3	0	1	0	4	0	
2:30 PM	3	77	7	0	2	105	2	0	3	0	1	0	5	0	7	0	
2:45 PM	4	90	2	0	5	127	2	0	6	0	0	0	2	0	4	0	
3:00 PM	2	79	6	0	8	129	1	0	3	0	2	0	1	0	6	0	
3:15 PM	5	99	2	0	8	127	3	0	6	0	8	0	0	0	4	0	
3:30 PM	3	82	1	0	9	116	5	1	8	1	2	0	4	0	11	0	
3:45 PM	7	99	1	0	10	128	3	0	4	0	6	0	7	0	7	0	
4:00 PM	5	129	2	0	8	145	2	0	4	0	3	0	3	0	3	0	
4:15 PM	5	105	3	0	7	127	4	0	5	1	6	0	3	0	6	0	
4:30 PM	4	103	5	0	7	103	5	0	4	0	3	0	3	1	5	0	
4:45 PM	5	86	4	0	5	134	9	0	3	0	6	1	4	0	6	0	
5:00 PM	10	94	7	0	2	111	6	0	5	0	5	0	0	0	7	0	
5:15 PM	1	85	5	0	7	170	5	0	2	0	1	0	4	0	6	0	
5:30 PM	4	104	2	0	7	135	5	0	5	0	4	0	4	0	3	0	
5:45 PM	3	99	3	0	8	122	3	0	1	0	6	0	2	0	7	0	
6:00 PM	6	85	1	1	6	105	5	0	2	0	5	0	2	0	0	0	
6:15 PM	5	73	4	0	6	77	3	0	3	0	5	0	1	0	5	0	
6:30 PM	0	65	3	0	5	97	2	0	3	0	2	0	0	0	5	0	
6:45 PM	2	38	3	0	4	93	3	0	2	0	5	0	0	1	2	0	
TOTAL VOLUMES:	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	87	1771	69	2	128	2401	77	1	78	3	81	1	48	2	103	0	4852
APPROACH %'s:	4.51%	91.81%	3.58%	0.10%	4.91%	92.10%	2.95%	0.04%	47.85%	1.84%	49.69%	0.61%	31.37%	1.31%	67.32%	0.00%	
PEAK HR:	03:45 PM - 04:45 PM																TOTAL
PEAK HR VOL:	21	436	11	0	32	503	14	0	17	1	18	0	16	1	21	0	1091
PEAK HR FACTOR:	0.750	0.845	0.550	0.000	0.800	0.867	0.700	0.000	0.850	0.250	0.750	0.000	0.571	0.250	0.750	0.000	0.897
	0.860				0.885				0.750				0.679				

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Tuesday
Date: 5/11/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS											NB	SB	EB	WB	Total						
											4,977	5,754	395	554	11,680						
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL										
00:00	2	9	0	2	13	12:00	92	90	7	12	201										
00:15	2	9	0	0	11	12:15	76	104	6	12	198										
00:30	1	3	0	0	4	12:30	79	99	15	10	203										
00:45	1	6	4	25	0	1	3	4	1	3	4	181	783								
01:00	2	4	0	0	6	13:00	71	96	6	5	178										
01:15	2	3	0	0	5	13:15	83	107	8	9	207										
01:30	2	3	0	1	6	13:30	95	102	7	9	213										
01:45	0	6	2	12	0	0	1	2	19	13:45	87	336	109	414	7	28	10	33	213	811	
02:00	1	2	0	1	4	14:00	75	129	7	8	219										
02:15	1	1	0	0	2	14:15	111	119	6	9	245										
02:30	2	2	1	0	5	14:30	82	118	9	13	222										
02:45	1	5	0	5	0	1	1	2	13	14:45	105	373	115	481	11	33	13	43	244	930	
03:00	3	4	0	0	7	15:00	89	129	11	11	240										
03:15	2	1	0	0	3	15:15	116	165	3	6	290										
03:30	3	1	0	1	5	15:30	116	139	4	9	268										
03:45	2	10	2	8	0	0	1	4	19	15:45	89	410	132	565	6	24	14	40	241	1039	
04:00	2	4	0	0	6	16:00	106	117	8	8	239										
04:15	5	1	0	3	9	16:15	98	132	11	10	251										
04:30	6	2	0	3	11	16:30	109	153	11	4	277										
04:45	10	23	5	12	0	2	8	17	43	16:45	102	415	120	522	3	33	6	28	231	998	
05:00	7	4	0	2	13	17:00	89	132	6	8	235										
05:15	25	4	0	4	33	17:15	100	172	10	6	288										
05:30	34	7	0	6	47	17:30	66	131	8	7	212										
05:45	38	104	18	33	0	3	15	59	152	17:45	53	308	119	554	9	33	14	35	195	930	
06:00	29	15	1	3	48	18:00	57	101	6	10	174										
06:15	42	17	1	2	62	18:15	64	76	6	8	154										
06:30	82	23	2	7	114	18:30	63	104	7	6	180										
06:45	61	214	42	97	5	9	12	24	120	344	18:45	55	239	104	385	3	22	11	35	173	681
07:00	69	40	2	7	118	19:00	53	94	8	5	160										
07:15	110	48	6	11	175	19:15	41	70	1	6	118										
07:30	125	70	10	23	228	19:30	32	56	2	4	94										
07:45	120	424	93	251	12	30	17	58	242	763	19:45	35	161	77	297	2	13	2	17	116	488
08:00	100	67	9	14	190	20:00	46	55	0	6	107										
08:15	95	69	6	8	178	20:15	23	52	1	2	78										
08:30	102	73	13	16	204	20:30	27	64	2	2	95										
08:45	114	411	93	302	7	35	13	51	227	799	20:45	25	121	81	252	3	6	1	11	110	390
09:00	68	77	12	11	168	21:00	29	48	0	0	77										
09:15	109	72	3	4	188	21:15	24	37	2	5	68										
09:30	78	62	8	6	154	21:30	15	41	6	1	63										
09:45	80	335	78	289	3	26	12	33	173	683	21:45	9	77	40	166	0	8	1	7	50	258
10:00	80	56	11	10	157	22:00	13	20	2	0	35										
10:15	66	67	4	9	146	22:15	9	26	1	1	37										
10:30	60	75	7	6	148	22:30	11	13	1	0	25										
10:45	84	290	58	256	5	27	7	32	154	605	22:45	5	38	21	80	1	5	0	1	27	124
11:00	75	77	7	10	169	23:00	6	6	0	1	13										
11:15	79	81	9	9	178	23:15	3	8	0	0	11										
11:30	85	86	9	3	183	23:30	3	12	0	1	16										
11:45	88	327	86	330	4	29	11	33	189	719	23:45	4	16	9	35	0	2	4	15	55	
TOTALS	2155	1620	157	261	4193	TOTALS	2822	4134	238	293	7487										
SPLIT %	51.4%	38.6%	3.7%	6.2%	35.9%	SPLIT %	37.7%	55.2%	3.2%	3.9%	64.1%										

DAILY TOTALS											NB	SB	EB	WB	Total
											4,977	5,754	395	554	11,680
AM Peak Hour	07:15	11:45	07:45	07:15	07:30	PM Peak Hour	15:15	16:30	14:15	14:15	14:45				
AM Pk Volume	455	379	40	65	838	PM Pk Volume	427	577	37	46	1042				
Pk Hr Factor	0.910	0.911	0.769	0.707	0.866	Pk Hr Factor	0.920	0.839	0.841	0.885	0.898				
7 - 9 Volume	835	553	65	109	1562	4 - 6 Volume	723	1076	66	63	1928				
7 - 9 Peak Hour	07:15	07:45	07:45	07:15	07:30	4 - 6 Peak Hour	16:00	16:30	16:00	17:00	16:30				
7 - 9 Pk Volume	455	302	40	65	838	4 - 6 Pk Volume	415	577	33	35	1031				
Pk Hr Factor	0.910	0.812	0.769	0.707	0.866	Pk Hr Factor	0.952	0.839	0.750	0.625	0.895				

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Wednesday
Date: 5/12/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						5,319	5,961	431	582	12,293	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	5	8	1	0	14	12:00	98	91	5	12	206
00:15	2	3	0	0	5	12:15	61	97	7	15	180
00:30	1	1	0	0	2	12:30	89	101	6	6	202
00:45	4	12	7	19	0	1	0	11	32	209	797
01:00	1	4	0	0	5	13:00	89	101	7	13	210
01:15	1	4	0	0	5	13:15	116	115	10	15	256
01:30	4	6	0	0	10	13:30	87	128	15	6	236
01:45	2	8	5	19	1	1	0	8	28	259	961
02:00	4	3	0	0	7	14:00	83	103	8	11	205
02:15	0	3	0	1	4	14:15	111	124	7	18	260
02:30	4	1	0	0	5	14:30	109	139	11	12	271
02:45	3	11	4	11	0	0	1	7	23	208	944
03:00	1	6	0	0	7	15:00	95	125	9	7	236
03:15	3	2	0	2	7	15:15	106	139	9	6	260
03:30	3	3	0	0	6	15:30	93	147	15	18	273
03:45	1	8	0	11	0	2	1	1	21	262	1031
04:00	5	2	0	0	7	16:00	91	136	9	6	242
04:15	4	3	0	3	10	16:15	105	157	11	3	276
04:30	6	4	0	3	13	16:30	100	128	12	1	241
04:45	9	24	6	15	0	3	9	18	48	207	966
05:00	16	1	0	0	17	17:00	99	133	8	8	248
05:15	35	8	0	5	48	17:15	86	138	2	13	239
05:30	32	10	0	4	46	17:30	98	133	6	7	244
05:45	30	113	9	28	0	1	10	40	151	243	974
06:00	40	13	0	1	54	18:00	79	126	7	14	226
06:15	56	30	0	5	91	18:15	66	106	4	7	183
06:30	61	20	1	7	89	18:30	67	88	5	7	167
06:45	74	231	40	103	5	6	4	123	357	160	736
07:00	86	44	3	8	141	19:00	58	74	8	7	147
07:15	104	48	3	9	164	19:15	55	81	8	6	150
07:30	105	65	4	23	197	19:30	41	75	5	3	124
07:45	129	424	105	262	15	25	16	265	767	121	542
08:00	114	68	5	7	194	20:00	33	73	4	5	115
08:15	114	68	7	8	197	20:15	42	83	7	7	139
08:30	126	93	8	17	244	20:30	35	58	9	1	103
08:45	100	454	107	336	3	23	8	218	853	96	453
09:00	101	86	7	8	202	21:00	34	60	2	7	103
09:15	78	60	7	18	163	21:15	21	43	3	2	69
09:30	80	79	6	9	174	21:30	20	39	0	1	60
09:45	97	356	63	288	11	31	11	182	721	57	289
10:00	78	66	6	6	156	22:00	19	31	4	3	57
10:15	87	62	7	8	164	22:15	11	31	1	0	43
10:30	89	85	3	3	180	22:30	7	22	1	1	31
10:45	71	325	78	291	7	23	5	161	661	19	150
11:00	87	71	7	10	175	23:00	7	18	0	0	25
11:15	77	78	7	12	174	23:15	8	11	1	0	20
11:30	74	79	9	9	171	23:30	7	10	1	0	18
11:45	84	322	81	309	8	31	15	188	708	17	80
TOTALS	2288	1692	141	249	4370	TOTALS	3031	4269	290	333	7923
SPLIT %	52.4%	38.7%	3.2%	5.7%	35.5%	SPLIT %	38.3%	53.9%	3.7%	4.2%	64.5%

DAILY TOTALS						NB	SB	EB	WB	Total	
						5,319	5,961	431	582	12,293	
AM Peak Hour	07:45	11:45	07:45	07:00	07:45	PM Peak Hour	13:45	15:30	15:30	13:45	15:30
AM Pk Volume	483	370	35	56	900	PM Pk Volume	413	569	44	57	1053
Pk Hr Factor	0.936	0.916	0.583	0.609	0.849	Pk Hr Factor	0.930	0.906	0.733	0.792	0.954
7 - 9 Volume	878	598	48	96	1620	4 - 6 Volume	735	1089	58	58	1940
7 - 9 Peak Hour	07:45	08:00	07:45	07:00	07:45	4 - 6 Peak Hour	16:15	17:00	16:00	16:45	17:00
7 - 9 Pk Volume	483	336	35	56	900	4 - 6 Pk Volume	388	561	36	40	974
Pk Hr Factor	0.936	0.785	0.583	0.609	0.849	Pk Hr Factor	0.924	0.893	0.750	0.769	0.982

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Thursday
Date: 5/13/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS						NB	SB	EB	WB	Total	
						5,613	5,982	418	555	12,568	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00	7	5	0	0	12	12:00	94	81	4	9	188
00:15	1	7	0	0	8	12:15	101	107	11	11	230
00:30	2	4	0	0	6	12:30	92	96	7	13	208
00:45	2	12	8	24	0	12:45	66	353	99	383	180
					36						806
01:00	2	1	0	0	3	13:00	84	97	6	4	191
01:15	5	4	0	2	11	13:15	83	97	9	9	198
01:30	1	0	1	0	2	13:30	90	101	2	6	199
01:45	4	12	2	7	0	13:45	78	335	97	392	187
					22						775
02:00	1	3	0	0	4	14:00	117	96	9	8	230
02:15	1	2	0	0	3	14:15	88	120	7	5	220
02:30	4	0	0	0	4	14:30	99	135	7	10	251
02:45	0	6	5	10	1	14:45	126	430	108	459	255
					17						956
03:00	2	2	0	0	4	15:00	92	157	8	9	266
03:15	1	6	0	0	7	15:15	107	149	12	5	273
03:30	4	4	0	0	8	15:30	140	153	8	8	309
03:45	3	10	1	13	0	15:45	112	451	155	614	292
					1						1140
04:00	6	2	0	0	8	16:00	94	127	16	14	251
04:15	5	2	0	2	9	16:15	112	122	10	12	256
04:30	6	2	0	3	11	16:30	112	149	3	9	273
04:45	13	30	3	9	0	16:45	92	410	196	594	305
					8						1085
05:00	19	5	0	1	25	17:00	109	142	7	14	272
05:15	19	5	0	3	27	17:15	103	147	10	16	276
05:30	40	9	0	7	56	17:30	92	152	11	11	266
05:45	34	112	16	35	0	17:45	101	405	126	567	243
					16						1057
06:00	38	11	0	3	52	18:00	67	99	7	8	181
06:15	61	31	1	6	99	18:15	80	110	11	4	205
06:30	68	27	1	2	98	18:30	78	101	10	3	192
06:45	69	236	25	94	4	18:45	65	290	80	390	154
					6						732
07:00	93	50	3	6	152	19:00	62	77	8	7	154
07:15	110	51	4	11	176	19:15	61	99	9	10	179
07:30	121	50	5	21	197	19:30	59	62	4	5	130
07:45	138	462	112	263	10	19:45	41	223	72	310	127
					22						590
08:00	101	63	6	8	178	20:00	41	53	11	3	108
08:15	115	72	7	9	203	20:15	36	71	2	4	113
08:30	136	88	2	13	239	20:30	43	70	4	3	120
08:45	117	469	103	326	6	20:45	36	156	70	264	112
					21						453
09:00	81	77	6	10	174	21:00	24	52	6	2	84
09:15	102	70	6	8	186	21:15	25	51	5	3	84
09:30	106	62	5	9	182	21:30	20	40	1	3	64
09:45	70	359	72	281	5	21:45	15	84	48	191	72
					22						304
10:00	80	69	6	9	164	22:00	14	38	0	0	52
10:15	87	63	5	8	163	22:15	13	29	1	0	43
10:30	82	74	1	12	169	22:30	12	25	2	1	40
10:45	79	328	84	290	6	22:45	8	47	21	113	31
					18						166
11:00	90	62	1	8	161	23:00	8	16	1	0	25
11:15	105	68	6	8	187	23:15	6	12	0	2	20
11:30	92	95	8	9	204	23:30	5	9	1	1	16
11:45	83	370	82	307	1	23:45	4	23	9	46	15
					16						76
TOTALS	2406	1659	107	256	4428	TOTALS	3207	4323	311	299	8140
SPLIT %	54.3%	37.5%	2.4%	5.8%	35.2%	SPLIT %	39.4%	53.1%	3.8%	3.7%	64.8%

DAILY TOTALS						NB	SB	EB	WB	Total	
						5,613	5,982	418	555	12,568	
AM Peak Hour	07:45	11:45	07:30	07:15	07:45	PM Peak Hour	14:45	16:45	15:15	16:45	15:00
AM Pk Volume	490	366	28	59	899	PM Pk Volume	465	637	49	51	1140
Pk Hr Factor	0.888	0.855	0.700	0.702	0.806	Pk Hr Factor	0.830	0.813	0.766	0.797	0.922
7 - 9 Volume	931	589	43	96	1659	4 - 6 Volume	815	1161	71	95	2142
7 - 9 Peak Hour	07:45	07:45	07:30	07:15	07:45	4 - 6 Peak Hour	16:15	16:45	16:00	16:45	16:30
7 - 9 Pk Volume	490	335	28	59	899	4 - 6 Pk Volume	425	637	36	51	1126
Pk Hr Factor	0.888	0.748	0.700	0.702	0.806	Pk Hr Factor	0.949	0.813	0.563	0.797	0.923

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Friday
Date: 5/14/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS											NB	SB	EB	WB	Total								
											5,730	6,192	443	558	12,923								
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL												
00:00	6	7	0	0	13	12:00	70	99	3	14	186												
00:15	5	12	0	0	17	12:15	86	89	4	13	192												
00:30	6	8	0	0	14	12:30	88	94	9	14	205												
00:45	5	22	6	33	2	2	2	2	2	2	15	59	12:45	84	328	117	399	10	26	13	54	224	807
01:00	0	4	0	0	4	13:00	85	113	5	4	207												
01:15	6	6	0	0	12	13:15	88	143	6	8	245												
01:30	4	2	0	1	7	13:30	84	117	2	10	213												
01:45	2	12	3	15	0	0	1	5	28	13:45	106	363	131	504	10	23	12	34	259	924			
02:00	0	3	0	0	3	14:00	102	103	8	11	224												
02:15	1	4	0	0	5	14:15	103	128	6	9	246												
02:30	1	3	0	0	4	14:30	124	132	11	10	277												
02:45	3	5	2	12	1	1	0	6	18	14:45	103	432	124	487	11	36	12	42	250	997			
03:00	1	2	0	0	3	15:00	110	123	12	12	257												
03:15	0	4	0	0	4	15:15	125	170	11	13	319												
03:30	5	0	0	0	5	15:30	117	171	10	7	305												
03:45	2	8	2	8	0	1	1	5	17	15:45	118	470	124	588	6	39	9	41	257	1138			
04:00	5	2	0	1	8	16:00	93	166	9	10	278												
04:15	4	1	0	2	7	16:15	109	157	8	5	279												
04:30	8	2	0	2	12	16:30	101	125	10	5	241												
04:45	7	24	6	11	1	1	2	7	43	16:45	103	406	151	599	7	34	5	25	266	1064			
05:00	16	2	0	2	20	17:00	92	122	5	8	227												
05:15	26	4	1	2	33	17:15	107	146	6	7	266												
05:30	39	9	2	7	57	17:30	99	146	8	11	264												
05:45	48	129	9	24	1	4	2	13	60	17:45	90	388	125	539	4	23	14	40	233	990			
06:00	52	14	2	2	70	18:00	86	110	7	15	218												
06:15	51	37	2	7	97	18:15	63	107	10	4	184												
06:30	65	25	2	2	94	18:30	72	86	9	11	178												
06:45	59	227	38	114	10	16	3	14	110	371	18:45	61	282	99	402	5	31	9	39	174	754		
07:00	86	40	2	6	134	19:00	54	81	4	2	141												
07:15	95	43	9	11	158	19:15	37	81	2	7	127												
07:30	126	60	10	23	219	19:30	46	94	2	2	144												
07:45	157	464	90	233	8	29	15	55	270	781	19:45	40	177	76	332	3	11	8	19	127	539		
08:00	117	72	9	12	210	20:00	40	66	3	6	115												
08:15	111	51	8	7	177	20:15	43	67	3	2	115												
08:30	118	90	20	9	237	20:30	41	56	2	3	102												
08:45	113	459	73	286	9	46	13	41	208	832	20:45	35	159	56	245	1	9	2	13	94	426		
09:00	90	87	10	9	196	21:00	41	55	3	3	102												
09:15	88	67	6	8	169	21:15	24	42	5	2	73												
09:30	117	58	7	9	191	21:30	22	31	2	2	57												
09:45	89	384	78	290	6	29	1	27	174	730	21:45	23	110	47	175	4	14	0	7	74	306		
10:00	95	75	11	9	190	22:00	32	56	0	2	90												
10:15	103	73	10	8	194	22:15	14	46	0	2	62												
10:30	104	73	7	8	192	22:30	15	43	1	1	60												
10:45	84	386	82	303	6	34	5	30	177	753	22:45	11	72	23	168	0	1	1	6	35	247		
11:00	93	63	10	8	174	23:00	11	23	1	1	36												
11:15	94	87	7	11	199	23:15	11	26	0	0	37												
11:30	117	90	6	13	226	23:30	13	18	1	0	32												
11:45	80	384	101	341	9	32	13	45	203	802	23:45	4	39	17	84	0	2	1	2	22	127		
TOTALS	2504	1670	194	236	4604	TOTALS	3226	4522	249	322	8319												
SPLIT %	54.4%	36.3%	4.2%	5.1%	35.6%	SPLIT %	38.8%	54.4%	3.0%	3.9%	64.4%												

DAILY TOTALS											NB	SB	EB	WB	Total
											5,730	6,192	443	558	12,923
AM Peak Hour	07:30	11:45	08:15	07:15	07:45	PM Peak Hour	15:00	15:15	14:30	12:00	15:15				
AM Pk Volume	511	383	47	61	894	PM Pk Volume	470	631	45	54	1159				
Pk Hr Factor	0.814	0.948	0.588	0.663	0.828	Pk Hr Factor	0.940	0.923	0.938	0.964	0.908				
7 - 9 Volume	923	519	75	96	1613	4 - 6 Volume	794	1138	57	65	2054				
7 - 9 Peak Hour	07:30	07:45	08:00	07:15	07:45	4 - 6 Peak Hour	16:00	16:00	16:00	17:00	16:00				
7 - 9 Pk Volume	511	303	46	61	894	Volume	406	599	34	40	1064				
Pk Hr Factor	0.814	0.842	0.575	0.663	0.828	Pk Hr Factor	0.931	0.902	0.850	0.714	0.953				

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Saturday
Date: 5/15/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS											NB	SB	EB	WB	Total			
											4,747	5,242	364	538	10,891			
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL							
00:00	5	12	0	0	17	12:00	96	97	6	7	206							
00:15	5	14	0	1	20	12:15	87	146	6	9	248							
00:30	7	7	1	1	16	12:30	96	110	6	15	227							
00:45	2	19	7	40	0	1	0	2	9	62	217							
01:00	4	5	0	0	9	12:45	95	374	102	455	6	24	14	45	217			
01:15	2	8	0	0	10	13:00	96	121	2	5	224							
01:30	5	9	0	0	14	13:15	108	110	4	15	237							
01:45	3	14	6	28	0	0	9	42	95	402	123	450	5	17	15	40	238	
02:00	2	1	1	1	5	13:45	95	402	123	450	5	17	15	40	238			
02:15	1	3	0	1	5	14:00	85	102	6	4	197							
02:30	2	4	0	0	6	14:15	96	119	7	7	229							
02:45	1	6	3	11	0	1	0	2	4	20	6	100	100	7	7	214		
03:00	3	3	1	0	7	14:45	100	381	122	443	9	29	16	34	247			
03:15	3	1	0	0	4	15:00	85	126	5	12	228							
03:30	2	4	0	0	6	15:15	69	130	7	10	216							
03:45	0	8	1	9	0	1	0	6	1	18	6	93	101	1	12	207		
04:00	3	3	0	0	6	15:45	70	317	101	458	2	15	5	39	178			
04:15	5	1	0	0	6	16:00	93	103	7	7	210							
04:30	6	3	0	1	10	16:15	94	102	5	7	208							
04:45	5	19	4	11	0	0	1	9	31	72	338	108	455	9	32	10	36	199
05:00	7	1	0	2	10	16:45	72	338	108	455	9	32	10	36	199			
05:15	10	5	0	0	15	17:00	81	93	8	7	189							
05:30	10	7	0	2	19	17:15	93	83	7	14	197							
05:45	22	49	7	20	1	1	2	6	32	76	67	79	6	15	167			
06:00	21	11	1	2	35	17:45	67	308	70	325	8	29	15	51	160			
06:15	19	8	1	3	31	18:00	74	100	2	12	188							
06:30	29	12	2	2	45	18:15	62	88	2	9	161							
06:45	31	100	18	49	0	4	3	10	52	163	59	73	11	9	152			
07:00	29	18	2	3	52	18:45	53	248	79	340	4	19	7	37	143			
07:15	48	26	6	5	85	19:00	52	83	4	5	144							
07:30	58	26	3	8	95	19:15	50	67	6	8	131							
07:45	50	185	29	99	6	17	8	24	93	325	39	58	5	3	105			
08:00	49	39	5	5	98	19:45	42	183	50	258	7	22	5	21	104			
08:15	55	43	9	5	112	20:00	41	55	4	4	104							
08:30	81	49	9	11	150	20:15	34	62	4	6	106							
08:45	68	253	67	198	10	33	8	29	153	513	34	60	6	5	105			
09:00	67	68	9	12	156	20:45	30	139	50	227	1	15	6	21	87			
09:15	78	49	6	7	140	21:00	29	57	3	2	91							
09:30	96	66	6	10	178	21:15	31	40	1	1	73							
09:45	91	332	67	250	7	28	8	37	173	647	29	53	2	3	87			
10:00	83	90	7	8	188	21:45	30	119	63	213	3	9	1	7	97			
10:15	100	72	7	9	188	22:00	32	44	0	6	82							
10:30	100	78	4	8	190	22:15	20	29	2	4	55							
10:45	115	398	84	324	5	23	9	34	213	779	27	25	1	1	54			
11:00	106	90	12	10	218	22:45	18	97	31	129	0	3	1	12	50			
11:15	104	68	6	10	188	23:00	10	24	2	1	37							
11:30	120	94	5	12	231	23:15	14	32	2	3	51							
11:45	89	419	100	352	10	33	9	41	208	845	9	31	2	3	45			
TOTALS	1802	1391	142	186	3521	TOTALS	2945	3851	222	352	7370							
SPLIT %	51.2%	39.5%	4.0%	5.3%	32.3%	SPLIT %	40.0%	52.3%	3.0%	4.8%	67.7%							

DAILY TOTALS											NB	SB	EB	WB	Total
											4,747	5,242	364	538	10,891
AM Peak Hour	10:45	11:45	08:15	10:45	11:30	PM Peak Hour	12:45	12:15	16:30	17:15	14:15				
AM Pk Volume	445	453	37	41	893	PM Pk Volume	402	479	35	56	918				
Pk Hr Factor	0.927	0.776	0.925	0.854	0.900	Pk Hr Factor	0.931	0.820	0.795	0.933	0.929				
7 - 9 Volume	438	297	50	53	838	4 - 6 Volume	646	780	61	87	1574				
7 - 9 Peak Hour	08:00	08:00	08:00	07:45	08:00	4 - 6 Peak Hour	16:00	16:00	16:30	17:00	16:00				
7 - 9 Pk Volume	253	198	33	29	513	4 - 6 Pk Volume	338	455	35	51	861				
Pk Hr Factor	0.781	0.739	0.825	0.659	0.838	Pk Hr Factor	0.899	0.801	0.795	0.850	0.882				

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Sunday
Date: 5/16/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS											NB	SB	EB	WB	Total	
											3,928	4,386	268	450	9,032	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL					
00:00	7	19	1	0	27	12:00	88	101	10	10	209					
00:15	12	14	0	0	26	12:15	82	85	3	6	176					
00:30	6	13	0	2	21	12:30	86	109	5	8	208					
00:45	7	32	4	50	0	1	2	4	13	87	207					
01:00	2	5	0	0	7	12:45	99	355	93	388	6	24	9	33	209	
01:15	2	7	0	1	10	13:00	83	109	7	10	209					
01:30	3	12	0	1	16	13:15	85	86	9	9	189					
01:45	1	8	5	29	0	0	2	6	39	13:30	87	96	10	6	199	
02:00	0	8	0	0	8	13:45	83	338	90	381	5	31	6	31	184	
02:15	4	7	0	0	11	14:00	78	114	2	3	197					
02:30	0	2	0	0	2	14:15	78	94	4	10	186					
02:45	4	8	2	19	0	0	6	27	14:30	81	99	6	6	192		
03:00	1	1	0	0	2	14:45	80	317	97	404	5	17	8	27	190	
03:15	5	1	0	2	8	15:00	59	80	4	10	153					
03:30	0	2	0	0	2	15:15	71	112	2	6	191					
03:45	4	10	1	5	0	0	2	5	17	15:30	85	106	3	10	204	
04:00	1	1	0	0	2	15:45	68	283	109	407	5	14	12	38	194	
04:15	3	3	0	1	7	16:00	85	83	4	5	177					
04:30	1	1	0	1	3	16:15	61	109	2	9	181					
04:45	4	9	3	8	0	0	3	5	22	16:30	75	77	5	10	167	
05:00	3	0	0	1	4	16:45	71	292	98	367	1	12	7	31	177	
05:15	9	3	0	0	12	17:00	65	95	7	11	178					
05:30	9	5	0	2	16	17:15	70	88	3	6	167					
05:45	18	39	5	13	1	4	7	28	60	17:30	64	86	6	7	163	
06:00	13	5	0	3	21	17:45	48	247	61	330	4	20	7	31	120	
06:15	12	6	1	2	21	18:00	63	65	4	7	139					
06:30	11	10	1	2	24	18:15	51	57	3	5	116					
06:45	15	51	11	32	3	5	3	10	32	98	18:30	49	61	6	7	123
07:00	28	6	0	4	38	18:45	37	200	63	246	3	16	9	28	112	
07:15	28	14	2	3	47	19:00	35	70	4	6	115					
07:30	42	21	3	3	69	19:15	42	60	8	7	117					
07:45	35	133	34	75	4	9	5	15	78	232	19:30	38	46	0	7	91
08:00	29	29	5	3	66	19:45	30	145	68	244	1	13	7	27	106	
08:15	43	26	4	15	88	20:00	34	55	1	8	98					
08:30	43	34	7	3	87	20:15	50	36	2	1	89					
08:45	63	178	29	118	4	20	11	32	107	348	20:30	31	68	0	2	101
09:00	64	29	6	8	107	20:45	20	135	45	204	4	7	1	12	70	
09:15	65	38	7	9	119	21:00	32	31	5	2	70					
09:30	90	58	8	10	166	21:15	23	29	1	0	53					
09:45	89	308	51	176	4	25	5	32	149	541	21:30	17	28	0	1	46
10:00	73	66	5	4	148	21:45	10	82	29	117	0	6	0	3	39	
10:15	86	73	9	12	180	22:00	12	24	1	0	37					
10:30	88	75	8	13	184	22:15	12	24	1	1	38					
10:45	90	337	75	289	2	24	17	46	184	696	22:30	11	15	0	0	26
11:00	80	84	2	5	171	22:45	10	45	14	77	0	2	1	2	25	
11:15	90	84	4	7	185	23:00	10	9	0	1	20					
11:30	89	99	7	11	206	23:15	7	8	0	0	15					
11:45	89	348	100	367	8	21	8	31	205	767	23:30	4	12	0	0	16
TOTALS	1461	1181	106	186	2934	TOTALS	2467	3205	162	264	6098					
SPLIT %	49.8%	40.3%	3.6%	6.3%	32.5%	SPLIT %	40.5%	52.6%	2.7%	4.3%	67.5%					

DAILY TOTALS											NB	SB	EB	WB	Total
											3,928	4,386	268	450	9,032
AM Peak Hour	11:15	11:45	11:15	10:15	11:15	PM Peak Hour	12:00	15:15	12:45	15:00	12:30				
AM Pk Volume	356	395	29	47	805	PM Pk Volume	355	410	32	38	813				
Pk Hr Factor	0.989	0.906	0.725	0.691	0.963	Pk Hr Factor	0.896	0.915	0.800	0.792	0.972				
7 - 9 Volume	311	193	29	47	580	4 - 6 Volume	539	697	32	62	1330				
7 - 9 Peak Hour	08:00	07:45	07:45	08:00	08:00	4 - 6 Peak Hour	16:00	16:15	17:00	16:15	16:15				
7 - 9 Pk Volume	178	123	20	32	348	Volume	292	379	20	37	703				
Pk Hr Factor	0.706	0.904	0.714	0.533	0.813	Pk Hr Factor	0.859	0.869	0.714	0.841	0.971				

Prepared by National Data & Surveying Services

VOLUME

Green Valley Rd & Deer Valley Rd

Day: Monday
Date: 5/17/2021

City: El Dorado Hills
Project #: CA21_070069_001

DAILY TOTALS						NB	SB	EB	WB	Total											
						5,005	5,409	393	528	11,335											
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL										
00:00	3	5	0	0	8	12:00	66	100	8	9	183										
00:15	3	6	0	0	9	12:15	69	78	2	7	156										
00:30	2	8	0	1	11	12:30	85	86	6	10	187										
00:45	3	11	3	22	0	12:45	78	298	99	363	9	25	3	29	189	715					
01:00	5	4	0	0	9	13:00	91	88	9	7	195										
01:15	2	8	0	0	10	13:15	74	96	4	9	183										
01:30	2	2	0	0	4	13:30	67	94	10	15	186										
01:45	3	12	1	15	0	13:45	86	318	91	369	12	35	10	41	199	763					
02:00	1	2	0	0	3	14:00	78	120	8	10	216										
02:15	3	3	0	2	8	14:15	108	108	7	12	235										
02:30	4	0	0	0	4	14:30	97	123	9	5	234										
02:45	5	13	2	7	0	14:45	95	378	131	482	10	34	4	31	240	925					
03:00	0	2	0	0	2	15:00	86	135	6	6	233										
03:15	1	4	0	0	5	15:15	95	136	6	11	248										
03:30	1	3	0	1	5	15:30	109	134	13	15	271										
03:45	3	5	0	9	0	15:45	71	361	148	553	6	31	9	41	234	986					
04:00	6	2	0	0	8	16:00	99	131	6	8	244										
04:15	6	2	0	1	9	16:15	99	125	6	10	240										
04:30	7	3	0	2	12	16:30	83	108	14	8	213										
04:45	12	31	4	11	0	16:45	97	378	130	494	11	37	8	34	246	943					
05:00	10	4	0	1	15	17:00	89	129	10	7	235										
05:15	31	6	0	4	41	17:15	76	117	4	5	202										
05:30	28	6	0	2	36	17:30	77	133	9	14	233										
05:45	37	106	9	25	1	17:45	65	307	123	502	8	31	4	30	200	870					
06:00	45	16	1	5	67	18:00	49	98	3	5	155										
06:15	46	28	1	3	78	18:15	74	99	13	6	192										
06:30	66	25	0	2	93	18:30	39	72	2	6	119										
06:45	60	217	18	87	0	18:45	56	218	78	347	9	27	8	25	151	617					
07:00	77	37	1	12	127	19:00	56	58	5	4	123										
07:15	102	49	2	7	160	19:15	54	55	5	5	119										
07:30	117	71	6	25	219	19:30	36	52	5	7	100										
07:45	121	417	90	247	10	19	14	58	235	741	19:45	28	174	64	229	6	21	4	20	102	444
08:00	103	60	11	16	190	20:00	37	69	4	4	114										
08:15	108	63	8	5	184	20:15	33	64	3	1	101										
08:30	134	73	7	12	226	20:30	33	53	5	3	94										
08:45	113	458	64	260	3	29	5	38	185	785	20:45	25	128	46	232	5	17	4	12	80	389
09:00	78	80	5	10	173	21:00	29	44	3	3	79										
09:15	79	53	6	11	149	21:15	24	45	2	1	72										
09:30	107	62	8	7	184	21:30	10	23	2	4	39										
09:45	79	343	57	252	6	25	12	40	154	660	21:45	10	73	26	138	1	8	0	8	37	227
10:00	79	79	6	6	170	22:00	14	23	0	1	38										
10:15	91	61	2	13	167	22:15	6	20	0	1	27										
10:30	87	65	5	12	169	22:30	7	14	1	0	22										
10:45	101	358	81	286	7	20	6	37	195	701	22:45	7	34	18	75	0	1	3	5	28	115
11:00	88	82	3	2	175	23:00	7	21	1	0	29										
11:15	77	94	6	17	194	23:15	11	8	1	0	20										
11:30	83	99	14	7	203	23:30	4	12	0	0	16										
11:45	94	342	78	353	5	28	7	33	184	756	23:45	3	25	10	51	0	2	0	13	78	
TOTALS	2313	1574	124	252	4263	TOTALS	2692	3835	269	276	7072										
SPLIT %	54.3%	36.9%	2.9%	5.9%	37.6%	SPLIT %	38.1%	54.2%	3.8%	3.9%	62.4%										

DAILY TOTALS						NB	SB	EB	WB	Total	
						5,005	5,409	393	528	11,335	
AM Peak Hour	07:45	11:15	07:45	07:15	07:45	PM Peak Hour	14:15	15:00	16:15	13:30	15:15
AM Pk Volume	466	371	36	62	835	PM Pk Volume	386	553	41	47	997
Pk Hr Factor	0.869	0.928	0.818	0.620	0.888	Pk Hr Factor	0.894	0.934	0.732	0.783	0.920
7 - 9 Volume	875	507	48	96	1526	4 - 6 Volume	685	996	68	64	1813
7 - 9 Peak Hour	07:45	07:45	07:45	07:15	07:45	4 - 6 Peak Hour	16:00	16:45	16:15	16:00	16:00
7 - 9 Pk Volume	466	286	36	62	835	Volume	378	509	41	34	943
Pk Hr Factor	0.869	0.794	0.818	0.620	0.888	Pk Hr Factor	0.955	0.957	0.732	0.850	0.958

TRAFFIC SIGNAL VOLUME WARRANT ANALYSIS (2012 MUTCD)

MAJOR STREET: Green Valley Road NB SB # OF APPROACH LANES: 1
 MINOR STREET: Deer Valley Road EB WB # OF APPROACH LANES: 1

CITY, STATE: El Dorado County, CA
 COMMENTS: Existing Conditions

N
Y

ISOLATED COMMUNITY WITH POPULATION LESS THAN 10,000 (Y OR N):
 85TH PERCENTILE SPEED GREATER THAN 40 MPH ON MAJOR STREET (Y OR N):

THRESHOLD VALUES	MAJOR ST TRAFFIC	MINOR ST TRAFFIC HEAVY LEG	Ped Count CROSSING MAJOR ST	WARRANT 1 - Condition A, Part 1		WARRANT 1 - Condition B, Part 1		WARRANT 1 - Condition A, Part 2		WARRANT 1 - Condition B, Part 2		WARRANT 2		WARRANT 3		WARRANT 4			
				MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	BOTH MET	MAIN LINE	SIDE STREET	Four-Hour	Peak Hour	Ped Volume (Four-hour)	Ped Volume (Peak-hour)	
02:00 AM TO 03:00 AM				350	105	525	280	84	420	42	60	75	100	150					
03:00 AM TO 04:00 AM																			
04:00 AM TO 05:00 AM																			
05:00 AM TO 06:00 AM																			
06:00 AM TO 07:00 AM																			
07:00 AM TO 08:00 AM																			
08:00 AM TO 09:00 AM																			
09:00 AM TO 10:00 AM																			
10:00 AM TO 11:00 AM																			
11:00 AM TO 12:00 PM	750	35	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
12:00 PM TO 01:00 PM	818	43	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
01:00 PM TO 02:00 PM	864	30	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
02:00 PM TO 03:00 PM	900	31	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
03:00 PM TO 04:00 PM	934	40	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
04:00 PM TO 05:00 PM	1,012	36	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
05:00 PM TO 06:00 PM	986	33	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
06:00 PM TO 07:00 PM	682	27	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
07:00 PM TO 08:00 PM																			
08:00 PM TO 09:00 PM																			
09:00 PM TO 10:00 PM	6,986	275		8	0	8	8	0	8	0	8	0	8	0	8				
				8 HOURS NEEDED				8 HOURS NEEDED for both Condition A & B				4 HRS NEEDED				1 HR NEEDED			
				NOT SATISFIED				NOT SATISFIED				NOT SATISFIED				NOT SATISFIED			