

Appendix A – Traffic Volume Data

National Data & Surveying Services

Intersection Turning Movement Count

Location: Nogales St & Amar Rd
City: Walnut
Control: Signalized

Project ID: 18-05295-001
Date: 5/9/2018

Total

NS/EW Streets:	Nogales St				Nogales St				Amar Rd				Amar Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	138	1	24	2	4	3	6	0	1	210	81	3	17	211	2	0	703
7:15 AM	159	2	52	0	2	4	5	0	5	300	120	1	29	255	2	0	936
7:30 AM	167	4	42	0	2	3	5	0	3	337	157	1	29	240	0	1	991
7:45 AM	152	1	65	0	6	3	5	0	3	301	128	2	31	212	1	0	910
8:00 AM	174	3	51	0	3	5	6	0	4	265	122	0	30	208	0	0	871
8:15 AM	170	3	47	0	3	1	6	0	1	182	127	1	28	233	1	0	803
8:30 AM	147	0	42	0	0	5	2	0	2	171	131	1	46	191	1	0	739
8:45 AM	128	1	39	0	1	2	7	0	4	176	112	2	42	147	1	0	662
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	1235	15	362	2	21	26	42	0	23	1942	978	11	252	1697	8	1	6615
APPROACH %'s :	76.52%	0.93%	22.43%	0.12%	23.60%	29.21%	47.19%	0.00%	0.78%	65.74%	33.11%	0.37%	12.87%	86.67%	0.41%	0.05%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	652	10	210	0	13	15	21	0	15	1203	527	4	119	915	3	1	3708
PEAK HR FACTOR :	0.937	0.625	0.808	0.000	0.542	0.750	0.875	0.000	0.750	0.892	0.839	0.500	0.960	0.897	0.375	0.250	0.935
	0.956				0.875				0.878				0.907				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU		
4:00 PM	182	5	75	0	1	4	0	0	3	213	116	6	37	189	0	1	832
4:15 PM	187	2	48	0	5	1	1	0	1	219	105	3	45	182	1	0	800
4:30 PM	206	5	47	1	0	1	3	0	1	215	100	2	51	204	1	0	837
4:45 PM	165	4	53	0	4	1	2	0	3	244	123	5	38	185	4	1	832
5:00 PM	173	1	54	0	1	4	1	0	2	253	127	4	50	216	1	2	889
5:15 PM	175	3	52	0	3	0	0	0	0	280	140	3	51	215	0	0	922
5:30 PM	175	3	55	0	1	2	4	0	4	250	135	6	51	255	1	1	943
5:45 PM	169	4	41	0	2	2	2	0	3	291	117	3	36	218	4	2	894
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	1432	27	425	1	17	15	13	0	17	1965	963	32	359	1664	12	7	6949
APPROACH %'s :	75.97%	1.43%	22.55%	0.05%	37.78%	33.33%	28.89%	0.00%	0.57%	66.01%	32.35%	1.07%	17.58%	81.49%	0.59%	0.34%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	692	11	202	0	7	8	7	0	9	1074	519	16	188	904	6	5	3648
PEAK HR FACTOR :	0.989	0.688	0.918	0.000	0.583	0.500	0.438	0.000	0.563	0.923	0.927	0.667	0.922	0.886	0.375	0.625	0.967
	0.971				0.786				0.956				0.895				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Lemon Ave & Amar Rd
City: Walnut
Control: Signalized

Project ID: 18-05295-002
Date: 5/9/2018

Total

NS/EW Streets:	Lemon Ave				Lemon Ave				Amar Rd				Amar Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	31	6	15	0	1	6	0	0	4	150	53	0	5	203	4	0	478
7:15 AM	51	12	20	2	9	16	3	0	3	230	90	1	15	175	3	0	630
7:30 AM	61	9	28	0	12	18	3	0	7	299	91	0	15	167	3	0	713
7:45 AM	63	12	23	0	5	6	6	0	0	263	72	0	24	168	3	0	645
8:00 AM	47	6	19	0	8	11	11	0	4	240	58	1	16	168	3	0	592
8:15 AM	46	6	39	0	19	12	13	0	6	222	37	0	18	160	3	0	581
8:30 AM	24	4	27	0	6	11	7	0	1	168	34	0	29	208	10	0	529
8:45 AM	38	4	10	2	4	6	6	0	5	167	45	0	29	137	3	0	456
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	361	59	181	4	64	86	49	0	30	1739	480	2	151	1386	32	0	4624
APPROACH %'s :	59.67%	9.75%	29.92%	0.66%	32.16%	43.22%	24.62%	0.00%	1.33%	77.25%	21.32%	0.09%	9.62%	88.34%	2.04%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	222	39	90	2	34	51	23	0	14	1032	311	2	70	678	12	0	2580
PEAK HR FACTOR :	0.881	0.813	0.804	0.250	0.708	0.708	0.523	0.000	0.500	0.863	0.854	0.500	0.729	0.969	1.000	0.000	0.905
	0.901				0.818				0.856				0.974				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	51	2	22	1	6	11	6	0	8	201	30	1	11	185	2	0	537
4:15 PM	41	9	25	0	11	9	8	0	8	240	30	0	19	184	6	0	590
4:30 PM	47	8	20	0	4	4	6	0	7	199	31	1	28	213	5	0	573
4:45 PM	42	4	21	1	8	4	2	0	5	239	49	0	12	204	6	0	597
5:00 PM	71	11	22	1	4	4	8	0	5	215	59	0	18	190	10	0	618
5:15 PM	67	12	28	0	7	5	0	0	3	220	38	0	16	238	3	0	637
5:30 PM	75	14	29	1	5	8	6	0	7	219	38	0	28	224	9	0	663
5:45 PM	80	6	27	0	11	5	4	0	7	236	33	0	29	213	8	0	659
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	474	66	194	4	56	50	40	0	50	1769	308	2	161	1651	49	0	4874
APPROACH %'s :	64.23%	8.94%	26.29%	0.54%	38.36%	34.25%	27.40%	0.00%	2.35%	83.09%	14.47%	0.09%	8.65%	88.72%	2.63%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	293	43	106	2	27	22	18	0	22	890	168	0	91	865	30	0	2577
PEAK HR FACTOR :	0.916	0.768	0.914	0.500	0.614	0.688	0.563	0.000	0.786	0.943	0.712	0.000	0.784	0.909	0.750	0.000	0.972
	0.933				0.838				0.968				0.944				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Meadow Pass Rd & Amar Rd
City: Walnut
Control: Signalized

Project ID: 18-05295-003
Date: 5/9/2018

Total

NS/EW Streets:	Meadow Pass Rd				Meadow Pass Rd				Amar Rd				Amar Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	7	7	19	0	8	18	7	0	1	164	8	0	19	192	3	0	453
7:15 AM	10	20	28	0	9	50	7	0	0	238	22	0	53	199	0	1	637
7:30 AM	18	59	56	0	9	45	9	0	6	275	11	0	45	150	2	0	685
7:45 AM	13	42	59	0	12	19	12	0	7	318	4	0	18	188	3	0	695
8:00 AM	9	27	36	0	4	8	8	0	10	242	1	0	21	215	6	0	587
8:15 AM	29	34	40	0	31	31	31	0	9	223	6	4	38	222	7	0	705
8:30 AM	24	18	39	0	66	67	39	0	8	174	2	2	31	212	12	0	694
8:45 AM	3	6	32	0	20	19	8	0	5	175	6	0	15	126	4	0	419
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	113	213	309	0	159	257	121	0	46	1809	60	6	240	1504	37	1	4875
APPROACH %'s :	17.80%	33.54%	48.66%	0.00%	29.61%	47.86%	22.53%	0.00%	2.39%	94.17%	3.12%	0.31%	13.47%	84.40%	2.08%	0.06%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	75	121	174	0	113	125	90	0	34	957	13	6	108	837	28	0	2681
PEAK HR FACTOR :	0.647	0.720	0.737	0.000	0.428	0.466	0.577	0.000	0.850	0.752	0.542	0.375	0.711	0.943	0.583	0.000	0.951
	0.811				0.477				0.767				0.911				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	3	14	37	0	8	9	5	0	7	232	2	0	24	210	3	0	554
4:15 PM	3	17	38	0	9	11	5	0	8	236	4	0	21	209	3	1	565
4:30 PM	7	11	25	0	8	15	4	0	5	208	5	0	34	224	6	0	552
4:45 PM	2	15	48	0	4	8	7	0	7	247	4	0	29	218	7	1	597
5:00 PM	3	21	42	0	7	12	12	0	5	217	4	0	31	218	13	1	586
5:15 PM	2	22	36	0	11	14	11	0	8	251	8	0	32	258	7	1	661
5:30 PM	6	27	37	0	7	5	4	0	6	213	2	1	28	252	12	0	600
5:45 PM	6	20	51	1	9	14	6	0	6	298	6	0	34	261	11	0	723
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	32	147	314	1	63	88	54	0	52	1902	35	1	233	1850	62	4	4838
APPROACH %'s :	6.48%	29.76%	63.56%	0.20%	30.73%	42.93%	26.34%	0.00%	2.61%	95.58%	1.76%	0.05%	10.84%	86.09%	2.89%	0.19%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	17	90	166	1	34	45	33	0	25	979	20	1	125	989	43	2	2570
PEAK HR FACTOR :	0.708	0.833	0.814	0.250	0.773	0.804	0.688	0.000	0.781	0.821	0.625	0.250	0.919	0.947	0.827	0.500	0.889
	0.878				0.778				0.827				0.947				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Temple Ave
 City: Walnut
 Control: Signalized

Project ID: 18-05295-004
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	24	184	97	0	51	235	39	1	50	121	22	0	13	174	47	0	1058
7:15 AM	39	281	152	0	87	306	65	0	59	137	35	0	13	107	40	0	1321
7:30 AM	36	279	138	0	73	253	37	0	84	221	42	0	24	119	48	0	1354
7:45 AM	45	347	181	0	73	263	52	1	73	188	50	1	20	101	47	0	1442
8:00 AM	62	241	142	0	80	211	62	0	80	173	29	0	26	113	57	0	1276
8:15 AM	72	236	143	0	82	261	80	1	65	142	48	0	19	71	38	0	1258
8:30 AM	65	198	108	0	52	183	58	0	75	152	55	0	20	80	30	0	1076
8:45 AM	39	164	87	0	69	269	48	0	58	122	37	0	17	66	23	0	999
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	382	1930	1048	0	567	1981	441	3	544	1256	318	1	152	831	330	0	9784
APPROACH %'s :	11.37%	57.44%	31.19%	0.00%	18.95%	66.21%	14.74%	0.10%	25.67%	59.27%	15.01%	0.05%	11.58%	63.29%	25.13%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	182	1148	613	0	313	1033	216	1	296	719	156	1	83	440	192	0	5393
PEAK HR FACTOR :	0.734	0.827	0.847	0.000	0.899	0.844	0.831	0.250	0.881	0.813	0.780	0.250	0.798	0.924	0.842	0.000	0.935
	0.848				0.853				0.844				0.912				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	54	257	52	0	56	152	64	0	72	133	67	1	61	146	63	0	1178
4:15 PM	69	227	63	0	68	189	70	0	86	150	52	1	80	128	63	0	1246
4:30 PM	54	225	68	0	48	194	75	0	80	128	65	0	102	163	84	0	1286
4:45 PM	82	218	77	0	51	201	66	1	79	142	54	1	73	129	53	0	1227
5:00 PM	76	247	61	0	57	190	61	0	90	143	69	1	73	155	64	0	1287
5:15 PM	83	351	79	0	64	189	84	1	81	142	56	0	46	149	50	0	1375
5:30 PM	78	264	86	0	71	175	88	0	101	163	56	0	45	164	65	0	1356
5:45 PM	84	306	90	0	69	219	70	0	84	147	61	0	55	141	71	0	1397
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	580	2095	576	0	484	1509	578	2	673	1148	480	4	535	1175	513	0	10352
APPROACH %'s :	17.84%	64.44%	17.72%	0.00%	18.81%	58.65%	22.46%	0.08%	29.20%	49.80%	20.82%	0.17%	24.07%	52.86%	23.08%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	321	1168	316	0	261	773	303	1	356	595	242	1	219	609	250	0	5415
PEAK HR FACTOR :	0.955	0.832	0.878	0.000	0.919	0.882	0.861	0.250	0.881	0.913	0.877	0.250	0.750	0.928	0.880	0.000	0.969
	0.880				0.934				0.933				0.923				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Mt. SAC Way & Temple Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-005
Date: 5/9/2018

Total

NS/EW Streets:	Mt. SAC Way				Mt. SAC Way				Temple Ave				Temple Ave				TOTAL
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	2	2	2	0	9	3	11	1	79	174	7	0	5	195	58	1	549
7:15 AM	2	4	1	0	11	1	17	0	81	252	24	0	7	174	68	1	643
7:30 AM	0	3	0	0	7	7	25	0	89	310	39	1	11	150	64	1	707
7:45 AM	2	1	2	0	24	3	25	0	79	294	59	0	16	141	56	3	705
8:00 AM	3	2	0	0	12	7	36	0	57	307	43	2	18	163	31	0	681
8:15 AM	2	3	1	0	16	10	13	0	39	286	38	0	7	114	17	1	547
8:30 AM	3	3	2	0	8	10	18	0	24	294	39	0	4	108	19	2	534
8:45 AM	4	5	0	0	21	15	13	0	20	223	30	0	6	95	18	1	451
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	18	23	8	0	108	56	158	1	468	2140	279	3	74	1140	331	10	4817
APPROACH %'s :	36.73%	46.94%	16.33%	0.00%	33.44%	17.34%	48.92%	0.31%	16.19%	74.05%	9.65%	0.10%	4.76%	73.31%	21.29%	0.64%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	7	10	3	0	54	18	103	0	306	1163	165	3	52	628	219	5	2736
PEAK HR FACTOR :	0.583	0.625	0.375	0.000	0.563	0.643	0.715	0.000	0.860	0.938	0.699	0.375	0.722	0.902	0.805	0.417	0.967
	0.714				0.795				0.932				0.904				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	22	3	4	0	21	6	32	0	45	178	17	0	2	204	12	1	547
4:15 PM	47	4	6	0	41	5	72	0	45	222	10	1	2	175	21	1	652
4:30 PM	44	3	7	0	60	2	86	0	50	205	11	0	5	224	14	3	714
4:45 PM	28	0	7	0	26	4	37	0	64	207	9	0	2	188	23	2	597
5:00 PM	30	3	5	0	36	0	49	0	40	191	6	0	3	203	19	2	587
5:15 PM	15	3	2	0	29	2	36	0	46	242	7	0	1	206	17	0	606
5:30 PM	14	4	7	0	26	1	28	0	41	268	8	0	0	212	17	3	629
5:45 PM	23	1	2	0	36	2	48	0	46	252	13	0	1	213	21	3	661
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	223	21	40	0	275	22	388	0	377	1765	81	1	16	1625	144	15	4993
APPROACH %'s :	78.52%	7.39%	14.08%	0.00%	40.15%	3.21%	56.64%	0.00%	16.95%	79.36%	3.64%	0.04%	0.89%	90.28%	8.00%	0.83%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	149	10	25	0	163	11	244	0	199	825	36	1	12	790	77	8	2550
PEAK HR FACTOR :	0.793	0.625	0.893	0.000	0.679	0.550	0.709	0.000	0.777	0.929	0.818	0.250	0.600	0.882	0.837	0.667	0.893
	0.807				0.706				0.947				0.901				

VOLUME

W Temple Ave & Transit Center

Day: Tuesday
Date: 3/27/2018

City: Walnut
Project #: CA18_5194_001

DAILY TOTALS		NB		SB		EB		WB		Total			
		0		0		13,436		13,967		27,403			
00:30		13	6					169	202				
00:45		6	40	9	74			187	731	186	823		
01:00		4		8				243		288			
01:15		4		11				162		257			
01:30		5		10				168		171			
01:45		4	17	8	37			180	753	183	899		
02:00		13		9				190		210			
02:15		3		8				206		179			
03:00		4		6				228		295			
03:15		6		4				200		261			
03:30		9		6				182		201			
03:45		9	28	6	22			213	823	196	953		
04:00		14		8				232		221			
04:15		16		17		16:15		281		194			
04:30		14		15		16:30		246		307			
04:45		26	70	38	78	16:45		259	1018	245	967		
05:00		22		42		17:00		246		268			
05:15		16		68				278		244			
05:30		44		92				263		237			
05:45		61	143	111	313			227	1014	263	1012		
06:00		44		128				215		254			
06:15		62		190				299		201			
06:30		101		211				336		230			
06:45		119	326	218	747			304	1154	222	907		
07:00		195		234		429	19:00	188		162	350		
07:15		317		268		585	19:15	162		131	293		
07:30		321		221		542	19:30	121		124	245		
07:45		382	1215	215	938	597	19:45	120	591	133	550	253	1141
08:00		292		210		502	20:00	120		144	264		
08:15		288		165		453	20:15	130		122	252		
08:30		235		144		379	20:30	174		112	286		
08:45		226	1041	166	685	392	20:45	105	529	154	532	259	1061
09:00		206		169		375	21:00	115		135	250		
09:15		257		190		447	21:15	106		107	213		
09:30		312		231		543	21:30	97		125	222		
09:45		197	972	169	759	366	21:45	98	416	133	500	231	916
10:00		143		183		326	22:00	125		242	367		
10:15		113		136		249	22:15	88		111	199		
10:30		131		147		278	22:30	44		61	105		
10:45		145	532	192	658	337	22:45	29	286	42	456	71	742
11:00		143		244		387	23:00	25		34	59		
11:15		216		253		469	23:15	20		31	51		
11:30		198		290		488	23:30	25		26	51		
11:45		202	759	247	1034	449	23:45	17	87	23	114	40	201

DAILY TOTALS		NB		SB		EB		WB		Total	
		0		0		13,436		13,967		27,403	
AM Peak Hour		07:15	11:15	07:15		PM Peak Hour		18:00	16:30	16:30	
AM Pk Volume		1312	1047	2226		PM Pk Volume		1154	1064	2093	
Pk Hr Factor		0.859	0.903	0.932		Pk Hr Factor		0.859	0.866	0.946	
7 - 9 Volume	0	0	2256	1623	3879	4 - 6 Volume	0	0	2032	1979	4011
7 - 9 Peak Hour			07:15	07:00	07:15	4 - 6 Peak Hour			16:45	16:30	16:30
7 - 9 Pk Volume	0	0	1312	938	2226	4 - 6 Pk Volume	0	0	1046	1064	2093
Pk Hr Factor	0.000	0.000	0.859	0.875	0.932	Pk Hr Factor	0.000	0.000	0.941	0.866	0.946

National Data & Surveying Services

Intersection Turning Movement Count

Location: Transit Center & Temple Ave
City: Walnut
Control: 1-Way Stop (SB)

Project ID: 18-5195-001
Date: 3/27/2018

Total

NS/EW Streets:	Transit Center Dwy				Transit Center Dwy				Temple Ave				Temple Ave				TOTAL
	NORTHBOUN				SOUTHBOUN				EASTBOUN				WESTBOUN				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
AM	0	0	0	0	0	1	0	0	1	2	0	0	1	2	0	0	TOTAL
12:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2:45 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
3:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	3
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
4:15 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
4:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2
4:45 AM	0	0	0	0	0	0	1	0	9	0	0	0	0	0	0	8	18
5:00 AM	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	4	9
5:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 AM	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	1	5
5:45 AM	0	0	0	0	6	0	2	0	1	0	0	0	0	0	0	4	13
6:00 AM	0	0	0	0	6	0	3	0	1	0	0	0	0	0	0	7	17
6:15 AM	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	14	20
6:30 AM	0	0	0	0	4	0	1	0	2	0	0	0	0	0	0	21	28
6:45 AM	0	0	0	0	5	0	3	0	3	0	0	0	0	0	0	25	36
7:00 AM	0	0	0	0	0	0	1	0	4	0	0	0	0	0	0	25	30
7:15 AM	0	0	0	0	1	0	4	0	6	0	0	0	0	0	0	35	46
7:30 AM	0	0	0	0	3	0	2	0	5	0	0	0	0	0	0	26	36
7:45 AM	0	0	0	0	4	0	2	0	5	0	0	0	0	0	0	21	32
8:00 AM	0	0	0	0	4	0	4	0	6	0	0	0	0	0	0	24	38
8:15 AM	0	0	0	0	6	0	2	0	8	0	0	0	0	0	0	16	32
8:30 AM	0	0	0	0	2	0	5	0	6	0	0	0	0	0	0	15	28
8:45 AM	0	0	0	0	6	0	3	0	7	0	0	0	0	0	0	20	36
9:00 AM	0	0	0	0	2	0	4	0	5	0	0	0	0	0	0	20	31
9:15 AM	0	0	0	0	0	0	4	0	7	0	0	0	0	0	0	26	37
9:30 AM	0	0	0	0	11	0	9	0	9	0	0	0	0	0	0	39	68
9:45 AM	0	0	0	0	7	0	7	0	3	0	0	0	0	0	0	23	40
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	84	0	58	0	92	0	0	0	0	0	380	0	614
PEAK HR :	09:00 AM - 10:00 AM				59.15%	0.00%	40.85%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	TOTAL
PEAK HR VOL :	0	0	0	0	20	0	24	0	24	0	0	0	0	0	108	0	176
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.455	0.000	0.667	0.000	0.667	0.000	0.000	0.000	0.000	0.000	0.692	0.000	0.647

NS/EW Streets:	Transit Center Dwy				Transit Center Dwy				Temple Ave				Temple Ave				TOTAL
	NORTHBOUN				SOUTHBOUN				EASTBOUN				WESTBOUN				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
PM	0	0	0	0	0	1	0	0	1	2	0	0	1	2	0	0	TOTAL
2:00 PM	0	0	0	0	11	0	11	0	1	0	0	0	0	0	14	0	37
2:15 PM	0	0	0	0	8	0	4	0	1	0	0	0	0	0	8	0	21
2:30 PM	0	0	0	0	13	0	8	0	4	0	0	0	0	0	22	0	47
2:45 PM	0	0	0	0	18	0	7	0	2	0	0	0	0	0	22	0	49
3:00 PM	0	0	0	0	13	0	6	0	2	0	0	0	0	0	18	0	39
3:15 PM	0	0	0	0	7	0	10	0	2	0	0	0	0	0	10	0	29
3:30 PM	0	0	0	0	12	0	7	0	4	0	0	0	0	0	8	0	31
3:45 PM	0	0	0	0	12	0	5	0	9	0	0	0	0	0	23	0	49
4:00 PM	0	0	0	0	8	0	9	0	11	0	0	0	0	0	7	0	35
4:15 PM	0	0	0	0	8	0	10	0	18	0	0	0	0	0	10	0	46
4:30 PM	0	0	0	0	14	0	10	0	10	0	0	0	0	0	25	0	59
4:45 PM	0	0	0	0	9	0	5	0	6	0	0	0	0	0	22	0	42
5:00 PM	0	0	0	0	12	0	0	0	12	0	0	0	0	0	25	0	49
5:15 PM	0	0	0	0	11	0	3	0	10	0	0	0	0	0	22	0	46
5:30 PM	0	0	0	0	2	0	9	0	5	0	0	0	0	0	14	0	30
5:45 PM	0	0	0	0	9	0	8	0	7	0	0	0	0	0	15	0	39
6:00 PM	0	0	0	0	6	0	7	0	8	0	0	0	0	0	20	0	41
6:15 PM	0	0	0	0	8	0	14	0	36	0	0	0	0	0	28	0	86
6:30 PM	0	0	0	0	13	0	31	0	36	0	0	0	0	0	21	0	101
6:45 PM	0	0	0	0	17	0	24	0	14	0	0	0	0	0	26	0	81
7:00 PM	0	0	0	0	6	0	8	0	10	0	0	0	0	0	5	0	29
7:15 PM	0	0	0	0	3	0	8	0	5	0	0	0	0	0	2	0	18
7:30 PM	0	0	0	0	4	0	17	0	4	0	0	0	0	0	3	0	23
7:45 PM	0	0	0	0	8	0	9	0	3	0	0	0	0	0	3	0	28
8:00 PM	0	0	0	0	9	0	3	0	3	0	0	0	0	0	2	0	17
8:15 PM	0	0	0	0	7	0	5	0	15	0	0	0	0	0	6	0	33
8:30 PM	0	0	0	0	18	0	23	0	7	0	0	0	0	0	5	0	53
8:45 PM	0	0	0	0	16	0	12	0	1	0	0	0	0	0	2	0	30
9:00 PM	0	0	0	0	24	0	6	0	1	0	0	0	0	0	4	0	35
9:15 PM	0	0	0	0	7	0	0	0	2	0	0	0	0	0	1	0	10
9:30 PM	0	0	0	0	7	0	8	0	0	0	0	0	0	0	2	0	17
9:45 PM	0	0	0	0	8	0	12	0	2	0	0	0	0	0	2	0	24
10:00 PM	0	0	0	0	22	0	8	0	1	0	0	0	0	0	2	0	33
10:15 PM	0	0	0	0	3	0	5	0	0	0	0	0	0	0	1	0	9
10:30 PM	0	0	0	0	3	0	5	0	0	0	0	0	0	0	0	0	8
10:45 PM	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	6
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
11:45 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	364	0	318	0	251	0	0	0	0	0	400	0	1333
PEAK HR :	06:00 PM - 07:00 PM				53.37%	0.00%	46.63%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	TOTAL
PEAK HR VOL : </																	

National Data & Surveying Services

Intersection Turning Movement Count

Location: Bonita Ave & Temple Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-006
Date: 5/9/2018

Total

NS/EW Streets:	Bonita Ave				Bonita Ave				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	1	0	2	1	1	0	2	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	5	0	2	0	7	0	4	0	26	120	7	0	20	304	87	0	582
7:15 AM	6	2	3	0	15	6	6	0	31	155	27	0	24	261	121	0	657
7:30 AM	3	3	4	0	16	3	8	0	76	207	20	0	30	267	130	0	767
7:45 AM	1	1	2	0	15	6	8	0	62	174	31	0	29	236	137	0	702
8:00 AM	6	6	7	0	21	7	15	0	121	150	38	0	38	197	116	0	722
8:15 AM	5	2	4	0	22	4	16	0	103	146	37	0	22	129	71	0	561
8:30 AM	7	2	4	0	20	9	14	0	84	176	29	0	20	122	40	0	527
8:45 AM	2	4	7	0	14	2	14	0	45	177	13	0	26	124	52	0	480
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	35	20	33	0	130	37	85	0	548	1305	202	0	209	1640	754	0	4998
APPROACH %'s :	39.77%	22.73%	37.50%	0.00%	51.59%	14.68%	33.73%	0.00%	26.67%	63.50%	9.83%	0.00%	8.03%	63.00%	28.97%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	16	12	16	0	67	22	37	0	290	686	116	0	121	961	504	0	2848
PEAK HR FACTOR :	0.667	0.500	0.571	0.000	0.798	0.786	0.617	0.000	0.599	0.829	0.763	0.000	0.796	0.900	0.920	0.000	0.928
	0.579				0.733				0.883				0.929				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	1	0	2	1	1	0	2	2	0	0	1	2	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	12	2	10	0	48	0	37	0	33	153	5	0	4	202	38	0	544
4:15 PM	4	2	22	0	68	2	30	0	41	200	5	0	6	168	56	0	604
4:30 PM	12	4	25	0	83	1	42	0	33	218	8	0	4	157	26	0	613
4:45 PM	9	1	23	0	40	4	29	0	50	185	6	0	5	179	33	0	564
5:00 PM	3	3	13	0	34	1	23	0	41	189	2	0	10	189	35	0	543
5:15 PM	3	5	14	0	48	2	25	0	37	222	2	0	2	220	36	0	616
5:30 PM	3	0	15	0	31	1	12	0	44	241	10	0	3	241	43	0	644
5:45 PM	4	3	12	0	37	1	21	0	42	195	8	0	8	219	27	0	577
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	50	20	134	0	389	12	219	0	321	1603	46	0	42	1575	294	0	4705
APPROACH %'s :	24.51%	9.80%	65.69%	0.00%	62.74%	1.94%	35.32%	0.00%	16.29%	81.37%	2.34%	0.00%	2.20%	82.42%	15.38%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	13	11	54	0	150	5	81	0	164	847	22	0	23	869	141	0	2380
PEAK HR FACTOR :	0.813	0.550	0.900	0.000	0.781	0.625	0.810	0.000	0.932	0.879	0.550	0.000	0.575	0.901	0.820	0.000	0.924
	0.886				0.787				0.875				0.900				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Lot F Entrance & Temple Ave
City: Walnut
Control: 1-Way Stop (NB)

Project ID: 18-05295-007
Date: 5/9/2018

Total

NS/EW Streets:	Lot F Entrance				Lot F Entrance				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	0	0	0	0	0	0	0	0	116	0	0	0	405	12	0	533
7:15 AM	0	0	0	0	0	0	0	0	0	164	0	0	0	416	16	0	596
7:30 AM	0	0	0	0	0	0	0	0	0	231	0	0	0	406	25	0	662
7:45 AM	0	0	0	0	0	0	0	0	0	205	0	1	0	432	51	0	689
8:00 AM	0	0	0	0	0	0	0	0	1	166	0	0	0	340	45	0	552
8:15 AM	0	0	0	0	0	0	0	0	0	180	0	0	0	223	48	0	451
8:30 AM	0	0	0	0	0	0	0	0	1	195	0	1	0	167	31	0	395
8:45 AM	0	0	0	0	0	0	0	0	0	201	0	1	0	199	31	1	433
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	0	0	0	0	2	1458	0	3	0	2588	259	1	4311
									0.14%	99.66%	0.00%	0.21%	0.00%	90.87%	9.09%	0.04%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	1	766	0	1	0	1594	137	0	2499
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.829	0.000	0.250	0.000	0.922	0.672	0.000	0.907
										0.831				0.896			

NS/EW Streets:	Lot F Entrance				Lot F Entrance				Temple Ave				Temple Ave				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	0	0	0	0	0	0	0	0	209	0	0	0	236	3	0	448
4:15 PM	0	0	0	0	0	0	0	0	0	266	0	1	0	229	2	0	498
4:30 PM	0	0	0	0	0	0	0	0	0	351	0	0	0	183	3	1	538
4:45 PM	0	0	0	0	0	0	0	0	0	249	0	0	0	219	2	0	470
5:00 PM	0	0	0	0	0	0	0	0	0	224	0	0	0	229	4	2	459
5:15 PM	0	0	0	0	0	0	0	0	0	276	0	1	0	264	8	1	550
5:30 PM	0	0	0	0	0	0	0	0	0	304	0	0	0	266	4	0	574
5:45 PM	0	0	0	0	0	0	0	0	1	254	0	0	0	268	3	0	526
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	0	0	0	0	1	2133	0	2	0	1894	29	4	4063
									0.05%	99.86%	0.00%	0.09%	0.00%	98.29%	1.50%	0.21%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	1	1058	0	1	0	1027	19	3	2109
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.870	0.000	0.250	0.000	0.958	0.594	0.375	0.919
										0.872				0.961			

National Data & Surveying Services

Intersection Turning Movement Count

Location: University Dr & Temple Ave
 City: Walnut
 Control: Signalized

Project ID: 18-05295-008
 Date: 5/9/2018

Total

NS/EW Streets:	University Dr				University Dr				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	0.5	0.5	0	1.5	0.5	1	0	2	2	1	0	1	2	1	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	0	1	0	11	0	13	0	22	99	1	0	0	398	64	0	609
7:15 AM	0	0	1	0	37	0	29	0	55	108	0	0	0	429	103	2	764
7:30 AM	0	1	0	0	55	0	35	0	96	137	2	0	1	401	121	3	852
7:45 AM	0	1	1	0	57	1	54	0	87	111	0	0	0	389	144	4	849
8:00 AM	0	0	0	0	48	0	24	0	32	137	0	0	0	376	134	5	756
8:15 AM	0	1	0	0	13	1	9	0	41	140	1	0	1	253	109	0	569
8:30 AM	0	0	0	0	16	2	8	0	44	124	1	0	0	185	124	0	504
8:45 AM	0	2	0	0	36	4	17	0	64	145	0	0	1	225	158	1	653
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	5	3	0	273	8	189	0	441	1001	5	0	3	2656	957	15	5556
	0.00%	62.50%	37.50%	0.00%	58.09%	1.70%	40.21%	0.00%	30.48%	69.18%	0.35%	0.00%	0.08%	73.15%	26.36%	0.41%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	2	2	0	197	1	142	0	270	493	2	0	1	1595	502	14	3221
PEAK HR FACTOR :	0.000	0.500	0.500	0.000	0.864	0.250	0.657	0.000	0.703	0.900	0.250	0.000	0.250	0.929	0.872	0.700	0.945
	0.500				0.759				0.814				0.983				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	0.5	0.5	0	1.5	0.5	1	0	2	2	1	0	1	2	1	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	1	0	0	0	207	1	54	0	18	204	0	0	1	182	37	17	722
4:15 PM	1	1	0	0	99	3	19	0	9	259	1	0	0	211	35	9	647
4:30 PM	0	0	0	0	113	4	40	0	16	321	0	0	0	161	46	12	713
4:45 PM	1	0	0	0	84	2	21	0	16	250	0	0	0	194	34	2	604
5:00 PM	1	2	0	0	139	5	50	0	21	207	1	0	0	194	38	7	665
5:15 PM	1	0	0	0	133	3	42	0	29	242	0	0	1	231	43	2	727
5:30 PM	0	1	3	0	97	4	28	0	39	258	0	0	1	237	73	11	752
5:45 PM	0	1	0	0	183	1	48	0	39	216	0	0	0	217	94	13	812
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	5	5	3	0	1055	23	302	0	187	1957	2	0	3	1627	400	73	5642
	38.46%	38.46%	23.08%	0.00%	76.45%	1.67%	21.88%	0.00%	8.71%	91.19%	0.09%	0.00%	0.14%	77.37%	19.02%	3.47%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	2	4	3	0	552	13	168	0	128	923	1	0	2	879	248	33	2956
PEAK HR FACTOR :	0.500	0.500	0.250	0.000	0.754	0.650	0.840	0.000	0.821	0.894	0.250	0.000	0.500	0.927	0.660	0.635	0.910
	0.563				0.790				0.886				0.897				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Campus Dr & Temple Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-009
Date: 5/9/2018

Total

NS/EW Streets:	Campus Dr				Campus Dr				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1.5	0.5	2	0	2	3	0	0	1	2	1	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	8	0	9	0	31	7	188	0	50	76	1	0	1	341	43	0	755
7:15 AM	3	3	4	0	37	1	215	0	51	85	2	0	2	361	54	0	818
7:30 AM	13	7	3	0	44	8	277	0	108	86	2	0	1	336	81	0	966
7:45 AM	14	13	5	0	20	6	279	0	74	94	4	0	8	325	83	3	928
8:00 AM	9	8	6	0	20	7	188	0	77	117	6	0	7	322	92	1	860
8:15 AM	7	4	3	0	25	5	158	0	78	75	3	0	1	220	55	1	635
8:30 AM	8	4	5	0	19	3	129	0	60	89	1	0	4	237	76	0	635
8:45 AM	7	5	5	0	22	4	146	0	80	91	3	0	4	283	95	1	746
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	69	44	40	0	218	41	1580	0	578	713	22	0	28	2425	579	6	6343
APPROACH %'s :	45.10%	28.76%	26.14%	0.00%	11.85%	2.23%	85.92%	0.00%	44.02%	54.30%	1.68%	0.00%	0.92%	79.82%	19.06%	0.20%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	39	31	18	0	121	22	959	0	310	382	14	0	18	1344	310	4	3572
PEAK HR FACTOR :	0.696	0.596	0.750	0.000	0.688	0.688	0.859	0.000	0.718	0.816	0.583	0.000	0.563	0.931	0.842	0.333	0.924
	0.688				0.837				0.883				0.993				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1.5	0.5	0	1.5	0.5	2	0	2	3	0	0	1	2	1	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	13	13	11	0	124	9	95	0	145	257	6	0	10	121	75	0	879
4:15 PM	7	3	14	0	74	6	80	0	161	219	11	0	9	175	58	2	819
4:30 PM	4	6	8	0	84	7	76	0	192	255	5	0	4	147	58	5	851
4:45 PM	0	3	13	0	69	2	91	0	133	198	6	0	9	148	70	1	743
5:00 PM	7	10	11	0	73	10	81	0	147	192	5	0	7	159	78	0	780
5:15 PM	5	8	16	0	60	7	114	0	151	219	10	0	11	175	98	4	878
5:30 PM	10	15	10	0	89	10	123	0	160	200	10	0	10	201	103	2	943
5:45 PM	16	12	12	0	89	10	100	0	137	273	8	0	16	209	105	0	987
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	62	70	95	0	662	61	760	0	1226	1813	61	0	76	1335	645	14	6880
APPROACH %'s :	27.31%	30.84%	41.85%	0.00%	44.64%	4.11%	51.25%	0.00%	39.55%	58.48%	1.97%	0.00%	3.67%	64.49%	31.16%	0.68%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	38	45	49	0	311	37	418	0	595	884	33	0	44	744	384	6	3588
PEAK HR FACTOR :	0.594	0.750	0.766	0.000	0.874	0.925	0.850	0.000	0.930	0.810	0.825	0.000	0.688	0.890	0.914	0.375	0.909
	0.825				0.863				0.904				0.892				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Campus Dr & Kellogg Dr
City: Walnut
Control: Signalized

Project ID: 18-05295-010
Date: 5/9/2018

Total

NS/EW Streets:	Campus Dr				Campus Dr				Kellogg Dr				Kellogg Dr				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	40	49	3	0	23	97	18	0	4	38	138	0	12	25	4	0	451
7:15 AM	57	46	8	0	11	122	26	0	0	37	141	0	25	54	7	0	534
7:30 AM	102	76	6	0	15	175	36	0	13	35	148	0	41	87	14	0	748
7:45 AM	103	71	9	0	16	161	23	0	19	41	136	0	54	125	10	0	768
8:00 AM	89	75	3	0	17	113	21	0	13	37	99	0	35	71	19	0	592
8:15 AM	54	88	3	0	16	84	25	0	2	39	69	0	18	44	12	0	454
8:30 AM	72	67	3	0	13	72	29	0	10	26	69	0	16	63	10	0	450
8:45 AM	94	67	5	0	12	75	32	0	3	31	93	0	29	86	11	0	538
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	611	539	40	0	123	899	210	0	64	284	893	0	230	555	87	0	4535
APPROACH %'s :	51.34%	45.29%	3.36%	0.00%	9.98%	72.97%	17.05%	0.00%	5.16%	22.88%	71.96%	0.00%	26.38%	63.65%	9.98%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	351	268	26	0	59	571	106	0	45	150	524	0	155	337	50	0	2642
PEAK HR FACTOR :	0.852	0.882	0.722	0.000	0.868	0.816	0.736	0.000	0.592	0.915	0.885	0.000	0.718	0.674	0.658	0.000	0.860
	0.876				0.814				0.917				0.717				

NS/EW Streets:	Campus Dr				Campus Dr				Kellogg Dr				Kellogg Dr				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	64	162	6	0	5	41	8	0	21	58	147	0	11	39	46	0	608
4:15 PM	50	180	4	0	2	35	6	0	19	52	108	0	7	46	41	0	550
4:30 PM	34	190	5	0	7	47	10	0	18	40	95	0	9	51	38	0	544
4:45 PM	49	155	2	0	3	47	8	0	23	27	111	0	4	39	35	0	503
5:00 PM	60	169	7	0	10	50	11	0	16	46	96	0	7	39	47	0	558
5:15 PM	81	155	9	0	4	46	7	0	30	59	138	0	11	54	38	0	632
5:30 PM	92	181	5	0	6	45	24	0	20	42	143	0	8	55	23	0	644
5:45 PM	105	148	4	0	2	40	21	0	14	55	150	0	6	69	24	0	638
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	535	1340	42	0	39	351	95	0	161	379	988	0	63	392	292	0	4677
APPROACH %'s :	27.91%	69.90%	2.19%	0.00%	8.04%	72.37%	19.59%	0.00%	10.54%	24.80%	64.66%	0.00%	8.43%	52.48%	39.09%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	338	653	25	0	22	181	63	0	80	202	527	0	32	217	132	0	2472
PEAK HR FACTOR :	0.805	0.902	0.694	0.000	0.550	0.905	0.656	0.000	0.667	0.856	0.878	0.000	0.727	0.786	0.702	0.000	0.960
	0.914				0.887				0.891				0.925				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Valley Blvd & Temple Ave
 City: Walnut
 Control: Signalized

Project ID: 18-05295-011
 Date: 5/9/2018

Total

NS/EW Streets:	Valley Blvd				Valley Blvd				Temple Ave				Temple Ave				
AM	1	2	1	0	1	1.5	1.5	0	1	3	0	0	1	3	0	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	39	46	9	0	11	123	96	0	36	56	28	0	14	261	17	0	736
7:15 AM	55	76	11	0	17	158	108	0	15	70	39	0	19	335	13	0	916
7:30 AM	92	105	13	0	10	145	97	0	22	72	32	2	10	251	23	0	874
7:45 AM	87	142	17	0	9	159	95	0	30	70	20	3	10	290	26	0	958
8:00 AM	72	118	11	0	35	121	92	0	27	89	21	2	5	257	28	0	878
8:15 AM	57	77	8	0	19	134	48	1	35	55	14	0	16	218	24	0	706
8:30 AM	56	86	7	0	15	94	49	0	30	72	16	0	16	265	19	0	725
8:45 AM	62	89	12	0	27	92	73	0	22	92	12	3	24	297	24	0	829
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	520	739	88	0	143	1026	658	1	217	576	182	10	114	2174	174	0	6622
APPROACH %'s :	38.60%	54.86%	6.53%	0.00%	7.82%	56.13%	36.00%	0.05%	22.03%	58.48%	18.48%	1.02%	4.63%	88.30%	7.07%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	306	441	52	0	71	583	392	0	94	301	112	7	44	1133	90	0	3626
PEAK HR FACTOR :	0.832	0.776	0.765	0.000	0.507	0.917	0.907	0.000	0.783	0.846	0.718	0.583	0.579	0.846	0.804	0.000	0.946
	0.812				0.924				0.924				0.863				

PM	1	2	1	0	1	1.5	1.5	0	1	3	0	0	1	3	0	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	48	136	9	0	62	80	34	0	47	287	55	1	28	141	22	1	951
4:15 PM	47	144	17	0	60	105	48	0	36	218	50	2	17	131	29	1	905
4:30 PM	47	131	17	0	53	86	27	0	45	262	48	2	19	148	26	0	911
4:45 PM	46	160	14	0	53	100	38	0	46	191	35	1	20	127	28	0	859
5:00 PM	66	159	11	0	54	90	32	0	30	240	37	3	21	179	24	1	947
5:15 PM	67	141	15	0	56	97	41	0	33	188	39	0	21	147	27	0	872
5:30 PM	82	173	15	0	48	68	51	0	31	250	37	1	17	214	34	1	1022
5:45 PM	68	131	16	0	44	90	45	0	55	225	59	1	14	198	21	1	968
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	471	1175	114	0	430	716	316	0	323	1861	360	11	157	1285	211	5	7435
APPROACH %'s :	26.76%	66.76%	6.48%	0.00%	29.41%	48.97%	21.61%	0.00%	12.64%	72.84%	14.09%	0.43%	9.47%	77.50%	12.73%	0.30%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	283	604	57	0	202	345	169	0	149	903	172	5	73	738	106	3	3809
PEAK HR FACTOR :	0.863	0.873	0.891	0.000	0.902	0.889	0.828	0.000	0.677	0.903	0.729	0.417	0.869	0.862	0.779	0.750	0.932
	0.874				0.923				0.904				0.865				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Pomona Blvd & Temple Ave
 City: Walnut
 Control: Signalized

Project ID: 18-05295-012
 Date: 5/9/2018

Total

NS/EW Streets:	Pomona Blvd				Pomona Blvd				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	13	10	48	0	8	45	23	0	5	56	2	6	209	239	42	0	706
7:15 AM	10	9	59	0	10	64	27	0	12	85	2	5	167	342	27	0	819
7:30 AM	11	16	72	0	14	67	43	0	15	65	3	5	163	224	27	2	727
7:45 AM	13	43	84	0	3	49	24	0	8	77	1	4	121	283	19	0	729
8:00 AM	8	32	67	0	23	44	20	0	26	91	4	11	137	238	43	1	745
8:15 AM	9	27	49	0	16	31	15	0	8	70	1	8	159	239	54	0	686
8:30 AM	18	21	53	0	16	31	16	0	11	67	1	10	126	251	50	0	671
8:45 AM	16	17	60	0	17	14	15	0	12	98	2	9	148	330	54	1	793
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	98	175	492	0	107	345	183	0	97	609	16	58	1230	2146	316	4	5876
APPROACH %'s :	12.81%	22.88%	64.31%	0.00%	16.85%	54.33%	28.82%	0.00%	12.44%	78.08%	2.05%	7.44%	33.28%	58.06%	8.55%	0.11%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	42	100	282	0	50	224	114	0	61	318	10	25	588	1087	116	3	3020
PEAK HR FACTOR :	0.808	0.581	0.839	0.000	0.543	0.836	0.663	0.000	0.587	0.874	0.625	0.568	0.880	0.795	0.674	0.375	0.922
	0.757				0.782				0.784				0.837				

NS/EW Streets:	Pomona Blvd				Pomona Blvd				Temple Ave				Temple Ave				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	12	66	147	0	43	24	19	0	13	285	2	14	71	124	15	1	836
4:15 PM	15	57	123	0	40	17	18	0	17	300	2	14	94	165	24	0	886
4:30 PM	25	63	115	0	71	26	29	0	22	267	2	18	70	121	15	0	844
4:45 PM	24	66	143	0	47	21	19	0	13	219	6	16	65	126	7	1	773
5:00 PM	23	62	143	0	67	30	46	0	18	252	0	14	71	136	10	0	872
5:15 PM	12	86	131	0	44	38	28	0	24	236	6	16	92	187	17	0	917
5:30 PM	13	59	136	0	41	37	28	0	12	239	4	10	77	176	7	2	841
5:45 PM	19	48	167	0	30	19	25	0	11	297	3	15	77	205	21	1	938
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	143	507	1105	0	383	212	212	0	130	2095	25	117	617	1240	116	5	6907
APPROACH %'s :	8.15%	28.89%	62.96%	0.00%	47.46%	26.27%	26.27%	0.00%	5.49%	88.51%	1.06%	4.94%	31.19%	62.69%	5.86%	0.25%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	67	255	577	0	182	124	127	0	65	1024	13	55	317	704	55	3	3568
PEAK HR FACTOR :	0.728	0.741	0.864	0.000	0.679	0.816	0.690	0.000	0.677	0.862	0.542	0.859	0.861	0.859	0.655	0.375	0.951
	0.960				0.757				0.887				0.887				

National Data & Surveying Services Intersection Turning Movement Count

Location: SR-57 SB Ramps & Temple Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-013
Date: 5/9/2018

Total

NS/EW Streets:	SR-57 SB Ramps				SR-57 SB Ramps				Temple Ave					Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND					WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	ET2	WL	WT	WR	WU	
7:00 AM	0	0	1	0	236	2	272	0	0	100	2	0	17	3	280	5	2	920
7:15 AM	0	0	1	0	203	0	274	0	0	131	3	0	19	1	343	5	4	984
7:30 AM	0	0	0	0	179	3	284	0	0	149	4	0	14	0	259	4	5	901
7:45 AM	0	0	3	0	156	3	175	0	0	161	6	0	16	3	261	8	14	806
8:00 AM	0	0	0	0	128	3	207	0	0	199	1	0	16	0	249	4	10	817
8:15 AM	0	0	0	0	128	4	232	0	0	135	1	0	27	3	250	7	4	791
8:30 AM	0	0	0	0	105	2	210	0	0	137	2	0	20	3	284	7	7	777
8:45 AM	0	0	0	0	90	1	220	0	0	168	3	0	27	1	336	6	7	859
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	ET2	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%	39.30%	0.58%	60.12%	0.00%	0.00%	86.89%	1.62%	0.00%	11.49%	0.59%	95.24%	1.94%	2.23%	6855
PEAK HR :	07:00																	TOTAL
PEAK HR VOL :	0	0	5	0	774	8	1005	0	0	541	15	0	66	7	1143	22	25	3611
PEAK HR FACTOR :	0.000	0.000	0.417	0.000	0.820	0.667	0.885	0.000	0.000	0.840	0.625	0.000	0.868	0.583	0.833	0.688	0.446	0.917
	0.417				0.876				0.850					0.848				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND					WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	ET2	WL	WT	WR	WU	
4:00 PM	0	0	0	0	190	2	103	0	0	458	12	0	70	3	117	11	18	984
4:15 PM	1	0	4	0	227	0	120	0	0	526	9	0	69	2	131	6	11	1106
4:30 PM	0	0	0	0	225	3	112	0	0	474	8	0	83	1	101	15	7	1029
4:45 PM	0	0	3	0	222	3	114	0	0	491	10	0	86	0	108	14	5	1056
5:00 PM	0	0	2	0	293	2	117	0	0	452	2	0	95	0	90	15	10	1078
5:15 PM	0	0	1	0	284	0	156	0	0	499	3	0	100	5	117	13	9	1187
5:30 PM	0	0	2	0	268	0	124	0	0	441	8	0	78	1	153	7	11	1093
5:45 PM	0	0	2	0	281	3	116	0	0	471	8	0	65	1	141	5	6	1099
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	ET2	WL	WT	WR	WU	TOTAL
APPROACH %'s :	6.67%	0.00%	93.33%	0.00%	67.12%	0.44%	32.45%	0.00%	0.00%	84.37%	1.33%	0.00%	14.30%	1.15%	84.48%	7.58%	6.79%	8632
PEAK HR :	05:00 PM - 06:00 PM																	TOTAL
PEAK HR VOL :	0	0	7	0	1126	5	513	0	0	1863	21	0	338	7	501	40	36	4457
PEAK HR FACTOR :	0.000	0.000	0.875	0.000	0.961	0.417	0.822	0.000	0.000	0.933	0.656	0.000	0.845	0.350	0.819	0.667	0.818	0.939
	0.875				0.934				0.923					0.849				

National Data & Surveying Services Intersection Turning Movement Count

Location: SR-57 NB Ramps & Temple Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-014
Date: 5/9/2018

Total

NS/EW Streets:	SR-57 NB Ramps				SR-57 NB Ramps				Temple Ave				Temple Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	1.5	0	1.5	0	0	0	0	0	1	3	2	0	0	3	0	0	
7:00 AM	64	0	46	0	0	0	0	0	0	296	45	0	0	231	157	0	839
7:15 AM	110	0	53	0	0	0	0	0	0	272	38	0	0	250	155	1	879
7:30 AM	69	0	59	0	0	0	0	0	0	254	55	0	0	189	222	0	848
7:45 AM	80	0	77	0	0	0	0	0	0	233	80	0	0	219	178	0	867
8:00 AM	91	0	58	0	0	0	0	0	0	209	94	0	0	185	156	0	793
8:15 AM	90	0	64	0	0	0	0	0	0	192	67	0	0	182	173	0	768
8:30 AM	99	0	50	0	0	0	0	0	0	162	72	0	0	196	176	1	756
8:45 AM	124	0	59	0	0	0	0	0	0	167	66	0	0	218	136	0	770
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	727	0	466	0	0	0	0	0	0	1785	517	0	0	1670	1353	2	6520
APPROACH %'s :	60.94%	0.00%	39.06%	0.00%					0.00%	77.54%	22.46%	0.00%	0.00%	55.21%	44.73%	0.07%	
PEAK HR :	07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :	323	0	235	0	0	0	0	0	0	1055	218	0	0	889	712	1	3433
PEAK HR FACTOR :	0.734	0.000	0.763	0.000	0.000	0.000	0.000	0.000	0.000	0.891	0.681	0.000	0.000	0.889	0.802	0.250	0.976
	0.856								0.933				0.974				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	1.5	0	1.5	0	0	0	0	0	1	3	2	0	0	3	0	0	
4:00 PM	33	0	57	0	0	0	0	0	0	391	213	1	0	109	73	0	877
4:15 PM	21	0	72	0	0	0	0	0	0	422	245	0	0	125	61	0	946
4:30 PM	21	0	64	0	0	0	0	0	0	486	171	0	0	110	69	0	921
4:45 PM	26	0	72	0	0	0	0	0	0	460	157	0	0	110	66	0	891
5:00 PM	22	0	75	0	0	0	0	0	0	474	167	0	0	100	73	0	911
5:15 PM	26	0	58	0	0	0	0	0	0	528	183	0	0	126	82	0	1003
5:30 PM	23	0	85	0	0	0	0	0	0	509	154	0	0	135	80	0	986
5:45 PM	29	0	60	0	0	0	0	0	0	519	147	0	0	135	75	1	966
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	201	0	543	0	0	0	0	0	0	3789	1437	1	0	950	579	1	7501
APPROACH %'s :	27.02%	0.00%	72.98%	0.00%					0.00%	72.49%	27.49%	0.02%	0.00%	62.09%	37.84%	0.07%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	100	0	278	0	0	0	0	0	0	2030	651	0	0	496	310	1	3866
PEAK HR FACTOR :	0.862	0.000	0.818	0.000	0.000	0.000	0.000	0.000	0.000	0.961	0.889	0.000	0.000	0.919	0.945	0.250	0.964
	0.875								0.943				0.938				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & I-10 WB Ramp
 City: Walnut
 Control: Signalized

Project ID: 18-05295-015
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				I-10 WB Ramp				I-10 WB Ramp				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	26	174	7	0	0	204	48	0	77	0	36	0	2	2	2	0	578
7:15 AM	10	161	5	0	0	212	43	0	95	7	26	0	3	2	2	0	566
7:30 AM	34	226	13	0	0	227	32	0	80	1	35	0	8	2	1	0	659
7:45 AM	32	214	3	0	0	219	46	0	98	4	31	0	8	4	6	0	665
8:00 AM	40	214	5	0	0	226	62	0	52	2	20	0	4	2	3	0	630
8:15 AM	59	209	7	0	1	165	71	0	74	2	16	0	5	2	2	0	613
8:30 AM	58	201	6	0	0	164	66	0	53	3	10	1	1	0	1	0	564
8:45 AM	59	214	4	0	0	162	83	0	55	2	9	0	1	2	2	0	593
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	318	1613	50	0	1	1579	451	0	584	21	183	1	32	16	19	0	4868
APPROACH %'s :	16.05%	81.42%	2.52%	0.00%	0.05%	77.74%	22.21%	0.00%	74.02%	2.66%	23.19%	0.13%	47.76%	23.88%	28.36%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	165	863	28	0	1	837	211	0	304	9	102	0	25	10	12	0	2567
PEAK HR FACTOR :	0.699	0.955	0.538	0.000	0.250	0.922	0.743	0.000	0.776	0.563	0.729	0.000	0.781	0.625	0.500	0.000	0.965
	0.960				0.911				0.780				0.653				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	62	209	6	0	2	200	89	0	48	3	7	0	4	3	2	0	635
4:15 PM	76	196	8	0	1	174	90	0	55	3	14	0	8	3	5	0	633
4:30 PM	73	226	9	0	0	184	79	0	50	4	15	0	3	3	3	0	649
4:45 PM	65	202	8	0	3	180	83	0	67	3	22	0	6	3	3	0	645
5:00 PM	62	241	10	0	1	209	78	0	47	6	17	1	13	2	8	0	695
5:15 PM	75	202	14	0	2	203	83	0	67	3	14	0	7	2	3	0	675
5:30 PM	63	208	10	0	1	212	101	0	51	1	11	0	10	7	6	0	681
5:45 PM	70	192	11	0	1	196	78	0	53	3	21	0	7	8	3	0	643
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	546	1676	76	0	11	1558	681	0	438	26	121	1	58	31	33	0	5256
APPROACH %'s :	23.76%	72.93%	3.31%	0.00%	0.49%	69.24%	30.27%	0.00%	74.74%	4.44%	20.65%	0.17%	47.54%	25.41%	27.05%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	265	853	42	0	7	804	345	0	232	13	64	1	36	14	20	0	2696
PEAK HR FACTOR :	0.883	0.885	0.750	0.000	0.583	0.948	0.854	0.000	0.866	0.542	0.727	0.250	0.692	0.500	0.625	0.000	0.970
	0.927				0.920				0.842				0.761				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & I-10 EB Ramp
 City: Walnut
 Control: Signalized

Project ID: 18-05295-016
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				I-10 EB Ramp				I-10 EB Ramp				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1 NL	2 NT	0 NR	0 NU	0 SL	2 ST	0 SR	0 SU	1.5 EL	0 ET	0.5 ER	0 EU	0 WL	0 WT	0 WR	0 WU	TOTAL
7:00 AM	6	150	0	0	0	184	57	0	62	0	113	0	0	0	0	0	572
7:15 AM	8	121	0	0	0	205	42	2	64	0	162	0	0	0	0	0	604
7:30 AM	11	189	0	0	0	199	60	0	76	0	148	0	0	0	0	0	683
7:45 AM	12	184	0	0	0	205	62	0	70	0	161	0	0	0	0	0	694
8:00 AM	9	188	0	0	0	187	60	0	68	0	123	0	0	0	0	0	635
8:15 AM	6	206	0	0	0	124	48	0	69	0	108	0	0	0	0	0	561
8:30 AM	4	212	0	0	0	124	63	0	58	0	96	0	0	0	0	0	557
8:45 AM	7	182	0	0	0	130	52	0	87	0	132	0	0	0	0	0	590
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	63	1432	0	0	0	1358	444	2	554	0	1043	0	0	0	0	0	4896
APPROACH %'s :	4.21%	95.79%	0.00%	0.00%	0.00%	75.28%	24.61%	0.11%	34.69%	0.00%	65.31%	0.00%					
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	40	682	0	0	0	796	224	2	278	0	594	0	0	0	0	0	2616
PEAK HR FACTOR :	0.833	0.902	0.000	0.000	0.000	0.971	0.903	0.250	0.914	0.000	0.917	0.000	0.000	0.000	0.000	0.000	0.942
	0.903				0.957				0.944								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1 NL	2 NT	0 NR	0 NU	0 SL	2 ST	0 SR	0 SU	1.5 EL	0 ET	0.5 ER	0 EU	0 WL	0 WT	0 WR	0 WU	TOTAL
4:00 PM	10	208	0	0	0	112	85	0	70	0	44	0	0	0	0	0	529
4:15 PM	9	236	0	0	0	140	65	0	49	0	39	0	0	0	0	0	538
4:30 PM	12	227	0	0	0	118	62	0	68	0	50	0	0	0	0	0	537
4:45 PM	8	214	0	0	0	141	89	0	75	0	56	0	0	0	0	0	583
5:00 PM	13	230	0	0	0	140	90	0	65	0	49	0	0	0	0	0	587
5:15 PM	19	233	0	0	0	144	89	0	55	0	40	0	0	0	0	0	580
5:30 PM	6	224	0	0	0	139	93	0	76	0	47	0	0	0	0	0	585
5:45 PM	10	202	0	0	0	151	71	0	66	0	55	0	0	0	0	0	555
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	87	1774	0	0	0	1085	644	0	524	0	380	0	0	0	0	0	4494
APPROACH %'s :	4.67%	95.33%	0.00%	0.00%	0.00%	62.75%	37.25%	0.00%	57.96%	0.00%	42.04%	0.00%					
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	46	901	0	0	0	564	361	0	271	0	192	0	0	0	0	0	2335
PEAK HR FACTOR :	0.605	0.967	0.000	0.000	0.000	0.979	0.970	0.000	0.891	0.000	0.857	0.000	0.000	0.000	0.000	0.000	0.994
	0.939				0.992				0.884								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Holt Ave
City: Walnut
Control: Signalized

Project ID: 18-05295-017
Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Holt Ave				Holt Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	1	128	22	0	3	283	15	1	12	2	12	0	96	13	12	0	600
7:15 AM	1	104	24	1	4	343	9	0	11	2	40	0	118	36	12	0	705
7:30 AM	7	181	46	0	6	316	17	3	13	1	26	0	137	25	16	0	794
7:45 AM	7	184	52	0	5	351	8	3	8	6	20	0	83	20	9	0	756
8:00 AM	7	177	48	0	2	290	14	0	2	5	19	0	64	10	5	0	643
8:15 AM	5	198	35	0	9	215	7	3	4	5	5	0	44	12	16	0	558
8:30 AM	6	195	36	0	3	203	10	3	1	12	12	0	37	13	12	0	543
8:45 AM	7	176	35	0	10	240	11	2	6	12	9	0	27	20	10	0	565
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	41	1343	298	1	42	2241	91	15	57	45	143	0	606	149	92	0	5164
APPROACH %'s :	2.44%	79.80%	17.71%	0.06%	1.76%	93.80%	3.81%	0.63%	23.27%	18.37%	58.37%	0.00%	71.55%	17.59%	10.86%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	22	646	170	1	17	1300	48	6	34	14	105	0	402	91	42	0	2898
PEAK HR FACTOR :	0.786	0.878	0.817	0.250	0.708	0.926	0.706	0.500	0.654	0.583	0.656	0.000	0.734	0.632	0.656	0.000	0.912
	0.863				0.934				0.722				0.751				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	11	214	31	1	5	142	5	3	6	11	9	0	30	5	4	0	477
4:15 PM	9	229	47	0	8	165	4	2	5	4	5	0	40	4	6	0	528
4:30 PM	16	252	63	0	8	150	6	3	5	5	7	0	42	9	11	0	577
4:45 PM	19	202	50	1	8	172	12	4	7	2	15	0	32	12	4	0	540
5:00 PM	11	210	40	0	5	178	10	2	7	8	8	0	54	15	13	0	561
5:15 PM	15	232	46	0	8	166	7	0	5	5	8	0	61	6	14	0	573
5:30 PM	8	201	51	1	7	163	11	3	4	11	8	0	48	14	8	0	538
5:45 PM	13	217	42	0	6	184	10	3	4	7	9	0	59	11	7	0	572
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	102	1757	370	3	55	1320	65	20	43	53	69	0	366	76	67	0	4366
APPROACH %'s :	4.57%	78.72%	16.58%	0.13%	3.77%	90.41%	4.45%	1.37%	26.06%	32.12%	41.82%	0.00%	71.91%	14.93%	13.16%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	61	896	199	1	29	666	35	9	24	20	38	0	189	42	42	0	2251
PEAK HR FACTOR :	0.803	0.889	0.790	0.250	0.906	0.935	0.729	0.563	0.857	0.625	0.633	0.000	0.775	0.700	0.750	0.000	0.975
	0.874				0.943				0.854				0.832				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Cortez St
 City: Walnut
 Control: 1-Way Stop (EB)

Project ID: 18-05295-018
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Cortez St				Cortez St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	2	146	0	0	0	343	21	0	1	0	6	0	0	0	0	0	519
7:15 AM	4	137	0	0	0	448	31	0	2	0	3	0	0	0	0	0	625
7:30 AM	9	231	0	0	0	399	60	0	3	0	10	0	0	0	0	0	712
7:45 AM	7	235	0	0	0	420	18	0	5	0	6	0	0	0	0	0	691
8:00 AM	7	218	0	0	0	353	12	0	4	0	6	0	0	0	0	0	600
8:15 AM	3	237	0	0	0	271	7	0	0	0	5	0	0	0	0	0	523
8:30 AM	5	228	0	0	0	236	7	0	2	0	1	0	0	0	0	0	479
8:45 AM	7	225	0	0	0	279	4	0	0	0	3	0	0	0	0	0	518
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	44	1657	0	0	0	2749	160	0	17	0	40	0	0	0	0	0	4667
APPROACH %'s :	2.59%	97.41%	0.00%	0.00%	0.00%	94.50%	5.50%	0.00%	29.82%	0.00%	70.18%	0.00%					
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	27	821	0	0	0	1620	121	0	14	0	25	0	0	0	0	0	2628
PEAK HR FACTOR :	0.750	0.873	0.000	0.000	0.000	0.904	0.504	0.000	0.700	0.000	0.625	0.000	0.000	0.000	0.000	0.000	0.923
	0.876				0.909				0.750								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	5	266	0	0	0	171	5	0	0	0	1	0	0	0	0	0	448
4:15 PM	6	299	0	0	0	204	4	0	3	0	1	0	0	0	0	0	517
4:30 PM	10	346	0	0	0	190	2	0	1	0	1	0	0	0	0	0	550
4:45 PM	7	284	0	0	0	194	5	0	2	0	4	0	0	0	0	0	496
5:00 PM	10	254	0	0	0	231	7	0	2	0	1	0	0	0	0	0	505
5:15 PM	6	302	0	0	0	221	9	0	1	0	5	0	0	0	0	0	544
5:30 PM	7	263	0	0	0	209	9	0	1	0	3	0	0	0	0	0	492
5:45 PM	7	309	0	0	0	238	6	0	1	0	2	0	0	0	0	0	563
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	58	2323	0	0	0	1658	47	0	11	0	18	0	0	0	0	0	4115
APPROACH %'s :	2.44%	97.56%	0.00%	0.00%	0.00%	97.24%	2.76%	0.00%	37.93%	0.00%	62.07%	0.00%					
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	30	1128	0	0	0	899	31	0	5	0	11	0	0	0	0	0	2104
PEAK HR FACTOR :	0.750	0.913	0.000	0.000	0.000	0.944	0.861	0.000	0.625	0.000	0.550	0.000	0.000	0.000	0.000	0.000	0.934
	0.916				0.953				0.667								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Barranca St & Cameron Ave
City: Walnut
Control: 3-Way Stop (SB/EB/WB)

Project ID: 18-05295-019
Date: 5/9/2018

Total

NS/EW Streets:																		
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	0	0	0	38	0	72	0	30	100	0	0	0	137	14	0	391	
7:15 AM	0	0	0	0	43	0	76	0	40	137	0	0	0	150	24	0	470	
7:30 AM	0	0	0	0	44	0	106	0	90	145	0	0	0	140	37	0	562	
7:45 AM	0	0	0	0	47	0	86	0	70	153	0	0	0	89	23	0	468	
8:00 AM	0	0	0	0	46	0	37	0	60	113	0	0	0	74	25	0	355	
8:15 AM	0	0	0	0	46	0	50	0	40	108	0	0	0	80	19	0	343	
8:30 AM	0	0	0	0	29	0	53	0	45	69	0	0	0	81	17	0	294	
8:45 AM	0	0	0	0	25	0	45	0	42	63	0	0	0	77	19	0	271	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	318	0	525	0	417	888	0	0	0	828	178	0	3154
						37.72%	0.00%	62.28%	0.00%	31.95%	68.05%	0.00%	0.00%	0.00%	82.31%	17.69%	0.00%	
PEAK HR :		07:00 AM - 08:00 AM																TOTAL
PEAK HR VOL :		0	0	0	0	172	0	340	0	230	535	0	0	0	516	98	0	1891
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.915	0.000	0.802	0.000	0.639	0.874	0.000	0.000	0.000	0.860	0.662	0.000	0.841
						0.853				0.814				0.867				
PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	0	0	0	19	0	49	0	65	93	0	0	0	93	26	0	345	
4:15 PM	0	0	0	0	47	0	46	0	78	91	0	0	0	93	19	0	374	
4:30 PM	0	0	0	0	21	0	44	0	72	77	0	0	0	106	25	0	345	
4:45 PM	0	0	0	0	25	0	42	0	68	82	0	0	0	73	29	0	319	
5:00 PM	0	0	0	0	38	0	60	0	85	88	0	0	0	101	30	0	402	
5:15 PM	0	0	0	0	24	0	50	0	71	88	0	0	0	120	39	0	392	
5:30 PM	0	0	0	0	42	0	53	0	81	89	0	0	0	124	24	0	413	
5:45 PM	0	0	0	0	28	0	50	0	62	55	0	0	0	105	19	0	319	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	244	0	394	0	582	663	0	0	0	815	211	0	2909
						38.24%	0.00%	61.76%	0.00%	46.75%	53.25%	0.00%	0.00%	0.00%	79.43%	20.57%	0.00%	
PEAK HR :		04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :		0	0	0	0	129	0	205	0	305	347	0	0	0	418	122	0	1526
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.768	0.000	0.854	0.000	0.897	0.975	0.000	0.000	0.000	0.843	0.782	0.000	0.924
						0.852				0.942				0.849				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Cameron Ave
 City: Walnut
 Control: Signalized

Project ID: 18-05295-020
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Cameron Ave				Cameron Ave				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	79	142	0	0	0	285	65	0	8	0	131	0	0	0	0	0	710
7:15 AM	97	117	0	0	0	397	63	0	13	0	165	0	0	0	0	0	852
7:30 AM	91	201	0	0	0	339	61	0	38	0	174	0	0	0	0	0	904
7:45 AM	69	206	0	0	0	401	26	0	34	0	171	0	0	0	0	0	907
8:00 AM	78	184	0	0	0	337	19	0	25	0	134	0	0	0	0	0	777
8:15 AM	74	226	0	0	0	250	12	0	21	0	138	0	0	0	0	0	721
8:30 AM	61	216	0	0	0	221	16	0	17	0	86	0	0	0	0	0	617
8:45 AM	73	205	0	0	0	274	16	0	10	0	86	0	0	0	0	0	664
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	622	1497	0	0	0	2504	278	0	166	0	1085	0	0	0	0	0	6152
APPROACH %'s :	29.35%	70.65%	0.00%	0.00%	0.00%	90.01%	9.99%	0.00%	13.27%	0.00%	86.73%	0.00%	0	0	0	0	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	335	708	0	0	0	1474	169	0	110	0	644	0	0	0	0	0	3440
PEAK HR FACTOR :	0.863	0.859	0.000	0.000	0.000	0.919	0.671	0.000	0.724	0.000	0.925	0.000	0.000	0.000	0.000	0.000	0.948
	0.893				0.893				0.889								

PM	2	2	0	0	0	2	0	0	1	0	1	0	0	0	0	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	107	252	0	0	0	170	13	0	21	0	88	0	0	0	0	0	651
4:15 PM	101	284	0	0	0	183	14	0	11	0	116	0	0	0	0	0	709
4:30 PM	102	335	0	0	0	167	18	0	26	0	76	0	0	0	0	0	724
4:45 PM	92	265	0	0	0	173	19	0	18	0	88	0	0	0	0	0	655
5:00 PM	105	251	0	0	0	224	29	0	13	0	99	0	0	0	0	0	721
5:15 PM	135	293	0	0	0	195	21	0	19	0	109	0	0	0	0	0	772
5:30 PM	119	251	0	0	0	197	17	0	19	0	104	0	0	0	0	0	707
5:45 PM	123	291	0	0	0	207	32	0	15	0	92	0	0	0	0	0	760
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	884	2222	0	0	0	1516	163	0	142	0	772	0	0	0	0	0	5699
APPROACH %'s :	28.46%	71.54%	0.00%	0.00%	0.00%	90.29%	9.71%	0.00%	15.54%	0.00%	84.46%	0.00%	0	0	0	0	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	482	1086	0	0	0	823	99	0	66	0	404	0	0	0	0	0	2960
PEAK HR FACTOR :	0.893	0.927	0.000	0.000	0.000	0.919	0.773	0.000	0.868	0.000	0.927	0.000	0.000	0.000	0.000	0.000	0.959
	0.916				0.911				0.918								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Mountaineer Rd
 City: Walnut
 Control: Signalized

Project ID: 18-05295-021
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Mountaineer Rd				Mountaineer Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	205	41	0	73	392	0	0	0	0	0	0	19	0	7	0	737
7:15 AM	0	232	85	0	126	470	0	0	0	0	0	0	34	0	12	0	959
7:30 AM	0	265	81	0	153	404	0	0	0	0	0	0	30	0	31	1	965
7:45 AM	0	264	126	0	171	409	0	0	0	0	0	0	36	0	21	0	1027
8:00 AM	0	259	96	0	115	395	0	0	0	0	0	0	47	0	17	0	929
8:15 AM	0	271	90	0	57	366	0	0	0	0	0	0	42	0	11	1	838
8:30 AM	0	302	51	0	57	291	0	0	0	0	0	0	24	0	15	1	741
8:45 AM	0	201	47	0	46	344	0	0	0	0	0	0	32	0	17	0	687
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	1999	617	0	798	3071	0	0	0	0	0	0	264	0	131	3	6883
APPROACH %'s :	0.00%	76.41%	23.59%	0.00%	20.63%	79.37%	0.00%	0.00%					66.33%	0.00%	32.91%	0.75%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	1020	388	0	565	1678	0	0	0	0	0	0	147	0	81	1	3880
PEAK HR FACTOR :	0.000	0.962	0.770	0.000	0.826	0.893	0.000	0.000	0.000	0.000	0.000	0.000	0.782	0.000	0.653	0.250	0.944
	0.903				0.941								0.895				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	324	46	0	53	221	0	0	0	0	0	0	51	0	54	0	749
4:15 PM	0	332	42	0	55	246	0	0	0	0	0	0	60	0	51	0	786
4:30 PM	0	404	34	0	32	226	0	0	0	0	0	0	60	0	70	0	826
4:45 PM	0	331	37	0	31	223	0	0	0	0	0	0	41	0	25	0	688
5:00 PM	0	366	41	0	38	282	0	0	0	0	0	0	44	0	44	0	815
5:15 PM	0	374	48	0	43	254	0	0	0	0	0	0	35	0	35	0	789
5:30 PM	0	377	36	0	38	259	0	0	0	0	0	0	31	0	24	0	765
5:45 PM	0	427	43	0	38	261	0	0	0	0	0	0	35	0	24	0	828
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	2935	327	0	328	1972	0	0	0	0	0	0	357	0	327	0	6246
APPROACH %'s :	0.00%	89.98%	10.02%	0.00%	14.26%	85.74%	0.00%	0.00%					52.19%	0.00%	47.81%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	1544	168	0	157	1056	0	0	0	0	0	0	145	0	127	0	3197
PEAK HR FACTOR :	0.000	0.904	0.875	0.000	0.913	0.936	0.000	0.000	0.000	0.000	0.000	0.000	0.824	0.000	0.722	0.000	0.965
	0.911				0.948								0.773				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & San Jose Hills Rd
City: Walnut
Control: Signalized

Project ID: 18-05295-022
Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				San Jose Hills Rd				San Jose Hills Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	15	222	46	1	46	311	11	1	16	4	25	0	9	2	9	0	718
7:15 AM	17	285	85	1	63	425	21	0	21	15	16	0	16	3	11	0	979
7:30 AM	25	283	95	2	82	320	20	1	51	25	24	0	21	3	6	0	958
7:45 AM	23	322	133	0	85	334	30	0	67	23	27	0	25	9	16	0	1094
8:00 AM	29	282	65	2	52	321	68	0	45	19	32	0	18	6	15	0	954
8:15 AM	31	274	49	1	32	355	92	0	80	10	61	0	7	24	10	0	1026
8:30 AM	11	250	25	2	17	239	18	0	84	9	51	0	9	1	11	0	727
8:45 AM	11	210	31	2	30	351	12	2	32	3	29	0	11	0	15	0	739
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	162	2128	529	11	407	2656	272	4	396	108	265	0	116	48	93	0	7195
APPROACH %'s :	5.72%	75.19%	18.69%	0.39%	12.19%	79.54%	8.15%	0.12%	51.50%	14.04%	34.46%	0.00%	45.14%	18.68%	36.19%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	108	1161	342	5	251	1330	210	1	243	77	144	0	71	42	47	0	4032
PEAK HR FACTOR :	0.871	0.901	0.643	0.625	0.738	0.937	0.571	0.250	0.759	0.770	0.590	0.000	0.710	0.438	0.734	0.000	0.921
	0.845				0.935				0.768				0.800				
PM	1	2	0	0	1	2	0	0	1	1	0	0	1	1	1	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	23	321	34	3	22	221	17	0	17	1	20	0	36	2	24	0	741
4:15 PM	17	328	34	0	18	267	19	0	38	8	21	0	41	12	31	0	834
4:30 PM	16	331	35	0	27	236	25	0	29	0	26	0	68	9	51	0	853
4:45 PM	16	319	25	2	27	247	18	0	23	2	23	0	29	2	29	0	762
5:00 PM	18	335	26	2	26	248	17	0	23	8	24	0	42	7	27	0	803
5:15 PM	20	410	62	0	13	275	25	0	20	2	20	0	37	6	24	0	914
5:30 PM	21	341	52	0	19	243	26	0	25	2	22	0	68	5	27	0	851
5:45 PM	20	431	25	1	13	286	24	0	28	3	26	0	30	4	27	0	918
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	151	2816	293	8	165	2023	171	0	203	26	182	0	351	47	240	0	6676
APPROACH %'s :	4.62%	86.17%	8.97%	0.24%	6.99%	85.76%	7.25%	0.00%	49.39%	6.33%	44.28%	0.00%	55.02%	7.37%	37.62%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	79	1517	165	3	71	1052	92	0	96	15	92	0	177	22	105	0	3486
PEAK HR FACTOR :	0.940	0.880	0.665	0.375	0.683	0.920	0.885	0.000	0.857	0.469	0.885	0.000	0.651	0.786	0.972	0.000	0.949
	0.896				0.940				0.890				0.760				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & La Puente Rd
City: Walnut
Control: Signalized

Project ID: 18-05295-023
Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				La Puente Rd				La Puente Rd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	1 NL	2 NT	1 NR	0 NU	1 SL	2 ST	1 SR	0 SU	1.5 EL	0.5 ET	1 ER	0 EU	1.5 WL	1 WT	0.5 WR	0 WU	
7:00 AM	52	261	9	1	0	197	78	0	62	2	41	0	17	17	0	0	737
7:15 AM	76	358	8	0	0	211	138	0	114	19	86	0	27	40	2	0	1079
7:30 AM	43	370	16	1	1	262	82	1	140	30	139	0	47	40	3	0	1175
7:45 AM	25	393	6	0	0	300	41	0	120	24	113	0	29	6	2	0	1059
8:00 AM	23	378	21	0	0	244	50	0	72	3	68	0	21	5	4	0	889
8:15 AM	23	300	8	0	1	259	42	0	68	4	52	0	20	8	1	0	786
8:30 AM	33	286	14	0	0	270	25	0	63	4	64	0	27	11	2	0	799
8:45 AM	34	214	14	0	2	235	48	0	54	4	66	0	31	12	3	0	717
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	309	2560	96	2	4	1978	504	1	693	90	629	0	219	139	17	0	7241
APPROACH %'s :	10.41%	86.28%	3.24%	0.07%	0.16%	79.53%	20.27%	0.04%	49.08%	6.37%	44.55%	0.00%	58.40%	37.07%	4.53%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	167	1499	51	1	1	1017	311	1	446	76	406	0	124	91	11	0	4202
PEAK HR FACTOR :	0.549	0.954	0.607	0.250	0.250	0.848	0.563	0.250	0.796	0.633	0.730	0.000	0.660	0.569	0.688	0.000	0.894
	0.972				0.953				0.751				0.628				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	1 NL	2 NT	1 NR	0 NU	1 SL	2 ST	1 SR	0 SU	1.5 EL	0.5 ET	1 ER	0 EU	1.5 WL	1 WT	0.5 WR	0 WU	
4:00 PM	62	339	17	1	1	233	37	0	40	3	70	0	14	10	1	0	828
4:15 PM	53	274	24	0	0	255	47	0	60	14	75	0	15	6	4	0	827
4:30 PM	51	330	19	0	1	336	47	0	62	9	70	0	19	6	1	0	951
4:45 PM	59	299	20	0	1	274	53	0	51	15	95	0	20	5	1	0	893
5:00 PM	69	353	22	0	2	243	46	0	77	12	82	0	18	9	2	0	935
5:15 PM	65	381	34	1	1	273	50	0	85	21	74	0	17	12	5	0	1019
5:30 PM	84	377	33	0	1	234	40	2	80	10	74	0	27	11	1	0	974
5:45 PM	61	385	31	2	4	236	56	2	76	20	89	0	19	9	1	0	991
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	504	2738	200	4	11	2084	376	4	531	104	629	0	149	68	16	0	7418
APPROACH %'s :	14.63%	79.45%	5.80%	0.12%	0.44%	84.20%	15.19%	0.16%	42.01%	8.23%	49.76%	0.00%	63.95%	29.18%	6.87%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	279	1496	120	3	8	986	192	4	318	63	319	0	81	41	9	0	3919
PEAK HR FACTOR :	0.830	0.971	0.882	0.375	0.500	0.903	0.857	0.500	0.935	0.750	0.896	0.000	0.750	0.854	0.450	0.000	0.961
	0.961				0.918				0.946				0.840				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Valley Blvd
City: Walnut
Control: Signalized

Project ID: 18-05295-024
Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Valley Blvd				Valley Blvd				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	69	228	42	0	30	96	105	0	67	77	16	2	26	274	48	0	1080
7:15 AM	81	269	69	1	42	150	111	0	105	129	32	1	33	343	56	2	1424
7:30 AM	97	300	93	0	74	211	157	1	100	157	52	1	31	279	40	5	1598
7:45 AM	56	273	108	0	77	206	145	0	98	198	58	0	48	290	35	3	1595
8:00 AM	67	280	60	2	53	192	96	0	110	145	37	1	34	176	35	2	1290
8:15 AM	49	212	63	0	46	162	114	2	99	140	36	0	39	228	22	1	1213
8:30 AM	58	208	57	0	54	188	123	0	77	138	34	2	33	206	31	2	1211
8:45 AM	64	172	72	0	55	155	107	0	58	122	37	2	25	194	30	2	1095
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	541	1942	564	3	431	1360	958	3	714	1106	302	9	269	1990	297	17	10506
APPROACH %'s :	17.74%	63.67%	18.49%	0.10%	15.66%	49.42%	34.81%	0.11%	33.51%	51.90%	14.17%	0.42%	10.45%	77.34%	11.54%	0.66%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	301	1122	330	3	246	759	509	1	413	629	179	3	146	1088	166	12	5907
PEAK HR FACTOR :	0.776	0.935	0.764	0.375	0.799	0.899	0.811	0.250	0.939	0.794	0.772	0.750	0.760	0.793	0.741	0.600	0.924
	0.896				0.855				0.864				0.813				

PM																	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	4:00 PM	57	197	34	8	79	158	84	4	150	288	68	0	49	155	59	
4:15 PM	55	145	22	10	73	164	112	1	140	283	70	4	54	187	51	6	1377
4:30 PM	55	201	25	2	79	201	121	4	120	275	67	1	37	146	53	4	1391
4:45 PM	60	182	33	8	72	198	98	3	135	319	94	1	65	183	46	2	1499
5:00 PM	72	261	39	3	74	187	90	2	121	339	85	1	46	181	64	1	1566
5:15 PM	67	251	58	4	86	173	104	1	152	338	88	0	60	195	64	7	1648
5:30 PM	71	246	36	6	72	179	79	1	150	342	99	1	51	166	70	5	1574
5:45 PM	66	241	44	2	95	156	74	0	148	349	79	0	49	163	67	3	1536
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	503	1724	291	43	630	1416	762	16	1116	2533	650	8	411	1376	474	35	11988
APPROACH %'s :	19.64%	67.32%	11.36%	1.68%	22.31%	50.14%	26.98%	0.57%	25.91%	58.81%	15.09%	0.19%	17.90%	59.93%	20.64%	1.52%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	276	999	177	15	327	695	347	4	571	1368	351	2	206	705	265	16	6324
PEAK HR FACTOR :	0.958	0.957	0.763	0.625	0.861	0.929	0.834	0.500	0.939	0.980	0.886	0.500	0.858	0.904	0.946	0.571	0.959
	0.965				0.943				0.968				0.914				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & Baker Pkwy
 City: Walnut
 Control: Signalized

Project ID: 18-05295-025
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				Baker Pkwy				Baker Pkwy				
AM	NORTHBOUND		0		SOUTHBOUND		0		EASTBOUND		0		WESTBOUND		0		TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	27	375	0	1	0	124	15	0	3	1	6	0	0	0	0	0	552
7:15 AM	30	501	0	0	0	164	20	0	2	0	9	0	0	0	1	0	727
7:30 AM	15	499	0	1	0	187	13	0	3	0	13	0	0	0	0	0	731
7:45 AM	30	529	1	0	0	207	12	0	5	0	15	0	0	0	0	0	799
8:00 AM	27	410	0	1	0	185	24	0	5	0	10	0	0	0	0	0	662
8:15 AM	43	382	1	3	0	181	24	0	8	0	5	0	1	0	0	0	648
8:30 AM	29	333	0	2	0	182	11	0	12	0	5	0	0	0	1	0	575
8:45 AM	26	370	0	2	0	156	12	0	7	0	11	0	0	0	0	0	584
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	227	3399	2	10	0	1386	131	0	45	1	74	0	1	0	2	0	5278
APPROACH %'s :	6.24%	93.43%	0.05%	0.27%	0.00%	91.36%	8.64%	0.00%	37.50%	0.83%	61.67%	0.00%	33.33%	0.00%	66.67%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	102	1939	1	2	0	743	69	0	15	0	47	0	0	0	1	0	2919
PEAK HR FACTOR :	0.850	0.916	0.250	0.500	0.000	0.897	0.719	0.000	0.750	0.000	0.783	0.000	0.000	0.000	0.250	0.000	0.913
	0.913				0.927				0.775				0.250				
PM	NORTHBOUND		0		SOUTHBOUND		0		EASTBOUND		0		WESTBOUND		0		TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	10	234	0	2	0	277	6	0	29	0	30	0	0	0	0	0	588
4:15 PM	6	235	1	2	0	274	7	0	15	0	15	0	0	0	0	0	555
4:30 PM	13	232	0	8	0	286	4	0	25	0	29	0	0	0	0	0	597
4:45 PM	15	251	0	8	0	333	6	0	12	0	47	0	0	0	0	0	672
5:00 PM	4	261	0	4	0	363	4	0	24	0	31	0	0	0	0	0	691
5:15 PM	7	282	0	1	0	318	8	0	25	0	33	0	0	0	0	0	674
5:30 PM	13	332	0	1	0	306	6	0	23	0	53	0	0	0	0	0	734
5:45 PM	10	343	0	1	0	295	9	0	18	0	31	0	0	0	0	0	707
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	78	2170	1	27	0	2452	50	0	171	0	269	0	0	0	0	0	5218
APPROACH %'s :	3.43%	95.34%	0.04%	1.19%	0.00%	98.00%	2.00%	0.00%	38.86%	0.00%	61.14%	0.00%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	34	1218	0	7	0	1282	27	0	90	0	148	0	0	0	0	0	2806
PEAK HR FACTOR :	0.654	0.888	0.000	0.438	0.000	0.883	0.750	0.000	0.900	0.000	0.698	0.000	0.000	0.000	0.000	0.000	0.956
	0.889				0.892				0.783								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & SR-60 WB Ramps
City: Walnut
Control: Signalized

Project ID: 18-05295-026
Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				SR-60 WB Ramps				SR-60 WB Ramps				TOTAL
	1	NORTHBOUND		0	1.5	SOUTHBOUND		0	1	EASTBOUND		0	1.3	WESTBOUND		0	
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	270	61	0	0	119	2	0	0	1	4	0	18	1	86	0	562
7:15 AM	0	360	51	0	0	144	0	0	0	0	0	0	12	0	140	0	707
7:30 AM	0	361	64	0	0	206	1	0	0	0	1	0	37	0	154	0	824
7:45 AM	0	414	61	0	0	219	0	0	0	0	2	0	35	0	170	0	901
8:00 AM	0	311	66	0	0	190	1	0	0	0	0	0	54	1	167	0	790
8:15 AM	0	301	55	0	1	185	1	0	0	0	1	0	34	4	147	0	729
8:30 AM	0	284	49	0	1	202	0	0	0	0	4	0	32	1	129	0	702
8:45 AM	0	299	78	0	0	174	0	0	0	0	0	0	28	0	92	0	671
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	2600	485	0	2	1439	5	0	0	1	12	0	250	7	1085	0	5886
APPROACH %'s :	0.00%	84.28%	15.72%	0.00%	0.14%	99.52%	0.35%	0.00%	0.00%	7.69%	92.31%	0.00%	18.63%	0.52%	80.85%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	1387	246	0	1	800	3	0	0	0	4	0	160	5	638	0	3244
PEAK HR FACTOR :	0.000	0.838	0.932	0.000	0.250	0.913	0.750	0.000	0.000	0.000	0.500	0.000	0.741	0.313	0.938	0.000	0.900
	0.859				0.918				0.500				0.904				

NS/EW Streets:	Grand Ave				Grand Ave				SR-60 WB Ramps				SR-60 WB Ramps				TOTAL
	1	NORTHBOUND		0	1.5	SOUTHBOUND		0	1	EASTBOUND		0	1.3	WESTBOUND		0	
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	147	33	0	2	290	0	0	0	0	0	0	40	0	80	0	592
4:15 PM	0	155	48	0	2	309	0	0	0	0	0	0	31	0	82	0	627
4:30 PM	0	146	43	0	1	307	1	0	0	0	2	0	36	0	92	0	628
4:45 PM	0	175	41	0	2	322	0	0	0	0	0	0	78	0	127	0	745
5:00 PM	0	169	49	0	1	385	0	0	0	0	0	0	47	0	97	0	748
5:15 PM	0	189	43	0	1	337	0	0	0	0	0	0	27	0	119	0	716
5:30 PM	0	181	44	0	2	345	0	0	0	0	0	0	24	0	140	0	736
5:45 PM	0	192	49	0	2	370	0	0	0	0	0	0	35	0	164	0	812
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	1354	350	0	13	2665	1	0	0	0	2	0	318	0	901	0	5604
APPROACH %'s :	0.00%	79.46%	20.54%	0.00%	0.49%	99.48%	0.04%	0.00%	0.00%	0.00%	100.00%	0.00%	26.09%	0.00%	73.91%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	731	185	0	6	1437	0	0	0	0	0	0	133	0	520	0	3012
PEAK HR FACTOR :	0.000	0.952	0.944	0.000	0.750	0.933	0.000	0.000	0.000	0.000	0.000	0.000	0.707	0.000	0.793	0.000	0.927
	0.950				0.935				0.820				0.820				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Grand Ave & SR-60 EB Ramps
 City: Walnut
 Control: Signalized

Project ID: 18-05295-027
 Date: 5/9/2018

Total

NS/EW Streets:	Grand Ave				Grand Ave				SR-60 EB Ramps				SR-60 EB Ramps				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	184	61	0	40	92	0	2	150	0	74	0	0	0	0	0	603
7:15 AM	0	246	60	0	57	102	0	3	180	0	60	0	0	0	0	0	708
7:30 AM	0	273	62	0	65	172	0	2	171	0	57	0	0	0	0	0	802
7:45 AM	0	243	79	0	65	186	0	2	204	0	61	0	0	0	0	0	840
8:00 AM	0	214	82	0	75	183	0	2	146	1	72	0	0	0	0	0	775
8:15 AM	0	212	102	0	62	151	0	3	158	0	75	0	0	0	0	0	763
8:30 AM	0	209	62	0	63	164	0	1	132	0	62	0	0	0	0	0	693
8:45 AM	0	244	67	0	66	165	0	1	137	0	74	0	0	0	0	0	754
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	1825	575	0	493	1215	0	16	1278	1	535	0	0	0	0	0	5938
APPROACH %'s :	0.00%	76.04%	23.96%	0.00%	28.60%	70.48%	0.00%	0.93%	70.45%	0.06%	29.49%	0.00%					
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	942	325	0	267	692	0	9	679	1	265	0	0	0	0	0	3180
PEAK HR FACTOR :	0.000	0.863	0.797	0.000	0.890	0.930	0.000	0.750	0.832	0.250	0.883	0.000	0.000	0.000	0.000	0.000	0.946
	0.946				0.931				0.892								

NS/EW Streets:	Grand Ave				Grand Ave				SR-60 EB Ramps				SR-60 EB Ramps				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
PM	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	163	156	0	69	272	0	0	34	1	50	0	0	0	0	0	745
4:15 PM	0	178	144	0	69	277	0	0	30	0	40	0	0	0	0	0	738
4:30 PM	0	183	157	0	79	263	0	0	26	1	50	0	0	0	0	0	759
4:45 PM	0	182	168	0	87	305	0	0	33	1	68	0	0	0	0	0	844
5:00 PM	0	176	143	0	102	340	0	1	27	0	46	0	0	0	0	0	835
5:15 PM	0	194	153	0	85	270	0	0	33	0	70	0	0	0	0	0	805
5:30 PM	0	169	148	0	87	299	0	1	42	0	73	0	0	0	0	0	819
5:45 PM	0	218	160	0	88	325	0	2	31	1	54	0	0	0	0	0	879
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	1463	1229	0	666	2351	0	4	256	4	451	0	0	0	0	0	6424
APPROACH %'s :	0.00%	54.35%	45.65%	0.00%	22.05%	77.82%	0.00%	0.13%	36.01%	0.56%	63.43%	0.00%					
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	757	604	0	362	1234	0	4	133	1	243	0	0	0	0	0	3338
PEAK HR FACTOR :	0.000	0.868	0.944	0.000	0.887	0.907	0.000	0.500	0.792	0.250	0.832	0.000	0.000	0.000	0.000	0.000	0.949
	0.900				0.903				0.820								

National Data & Surveying Services

Intersection Turning Movement Count

Location: Kellogg Dr & E Campus Dr/I-10 EB Off Ramp

City: Pomona

Control: No Control

Project ID: 18-05693-001

Date: 10/16/2018

Total

NS/EW Streets:	Kellogg Dr				Kellogg Dr				E Campus Dr/I-10 EB Off Ramp				E Campus Dr/I-10 EB Off Ramp				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	9	11	0	0	236	0	0	0	0	127	0	0	0	0	0	383
7:15 AM	0	12	9	0	0	258	0	0	0	0	191	0	0	0	0	0	470
7:30 AM	0	23	15	0	0	283	0	0	0	0	317	0	0	0	0	0	638
7:45 AM	0	27	14	0	0	274	0	0	0	0	347	0	0	0	0	0	662
8:00 AM	0	28	21	0	0	288	0	0	0	0	369	0	0	0	0	0	706
8:15 AM	0	34	24	0	0	296	0	0	0	0	312	0	0	0	0	0	666
8:30 AM	0	25	35	0	0	222	0	0	0	0	204	0	0	0	0	0	486
8:45 AM	0	13	17	0	0	207	0	0	0	0	142	0	0	0	0	0	379
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	171	146	0	0	2064	0	0	0	0	2009	0	0	0	0	0	4390
APPROACH %'s :	0.00%	53.94%	46.06%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	112	74	0	0	1141	0	0	0	0	1345	0	0	0	0	0	2672
PEAK HR FACTOR :	0.000	0.824	0.771	0.000	0.000	0.964	0.000	0.000	0.000	0.000	0.911	0.000	0.000	0.000	0.000	0.000	0.946
	0.802				0.964				0.911								

NS/EW Streets:	Kellogg Dr				Kellogg Dr				E Campus Dr/I-10 EB Off Ramp				E Campus Dr/I-10 EB Off Ramp				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	226	208	0	0	59	0	0	0	0	39	0	0	0	0	0	532
4:15 PM	0	113	98	0	0	95	0	0	0	0	32	0	0	0	0	0	338
4:30 PM	0	104	74	0	0	93	0	0	0	0	48	0	0	0	0	0	319
4:45 PM	0	105	86	0	0	98	0	0	0	0	41	0	0	0	0	0	330
5:00 PM	0	142	138	0	0	121	0	0	0	0	71	0	0	0	0	0	472
5:15 PM	0	170	162	0	0	130	0	0	0	0	57	0	0	0	0	0	519
5:30 PM	0	154	141	0	0	121	0	0	0	0	35	0	0	0	0	0	451
5:45 PM	0	168	142	0	0	95	0	0	0	0	29	0	0	0	0	0	434
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	1182	1049	0	0	812	0	0	0	0	352	0	0	0	0	0	3395
APPROACH %'s :	0.00%	52.98%	47.02%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	634	583	0	0	467	0	0	0	0	192	0	0	0	0	0	1876
PEAK HR FACTOR :	0.000	0.932	0.900	0.000	0.000	0.898	0.000	0.000	0.000	0.000	0.676	0.000	0.000	0.000	0.000	0.000	0.904
	0.916				0.898				0.676								

National Data & Surveying Services

Intersection Turning Movement Count

Location: E Campus Dr & S Campus Dr
City: Pomona
Control: Signalized

Project ID: 18-05693-002
Date: 10/16/2018

Total

NS/EW Streets:	E Campus Dr				E Campus Dr				S Campus Dr				S Campus Dr				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	0	0	0	11	0	0	0	0	64	0	0	0	151	0	0	226
7:15 AM	0	0	0	0	7	0	0	0	0	67	0	0	0	204	0	0	278
7:30 AM	0	0	0	0	17	0	1	0	0	80	0	0	0	287	0	0	385
7:45 AM	0	0	0	0	14	0	0	0	0	92	0	0	0	265	0	0	371
8:00 AM	0	0	0	0	19	0	0	0	0	76	0	0	0	235	0	0	330
8:15 AM	0	0	0	0	25	0	1	0	0	82	0	0	0	198	0	0	306
8:30 AM	0	0	0	0	36	0	0	0	0	78	0	0	0	156	0	0	270
8:45 AM	0	0	0	0	16	0	1	0	0	95	0	0	0	127	0	0	239
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	145	0	3	0	0	634	0	0	0	1623	0	0	2405
					97.97%	0.00%	2.03%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	0	0	75	0	2	0	0	330	0	0	0	985	0	0	1392
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.750	0.000	0.500	0.000	0.000	0.897	0.000	0.000	0.000	0.858	0.000	0.000	0.904
					0.740				0.897				0.858				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	0	0	0	196	0	1	0	0	228	0	0	0	35	0	0	460
4:15 PM	0	0	0	0	112	0	0	0	0	256	0	0	0	46	0	0	414
4:30 PM	0	0	0	0	71	0	0	0	0	255	0	0	0	52	0	0	378
4:45 PM	0	0	0	0	84	0	2	0	0	246	0	0	0	46	0	0	378
5:00 PM	0	0	0	0	125	0	1	0	0	265	0	0	0	63	0	0	454
5:15 PM	0	0	0	0	171	0	2	0	0	260	0	0	0	44	0	0	477
5:30 PM	0	0	0	0	129	0	10	0	0	275	0	0	0	46	0	0	460
5:45 PM	0	0	0	0	141	0	1	0	0	274	0	0	0	42	0	0	458
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	1029	0	17	0	0	2059	0	0	0	374	0	0	3479
					98.37%	0.00%	1.63%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	0	0	0	0	566	0	14	0	0	1074	0	0	0	195	0	0	1849
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.827	0.000	0.350	0.000	0.000	0.976	0.000	0.000	0.000	0.774	0.000	0.000	0.969
					0.838				0.976				0.774				