

## **Appendix FSEIR-2**

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Year 2016 Traffic Volume Data Comparison



## MEMORANDUM

**TO:** Jacqueline De La Rocha, Eyestone Environmental

**FROM:** Eugene Tang, AICP, and Casey Le, P.E.

**DATE:** February 14, 2019

**RE:** Promenade 2035  
Year 2016 Traffic Volume Data Comparison

**Ref:** J1465

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This memorandum summarizes the comparison of traffic volume data derived from the Warner Center Travel Demand Forecasting Model [Warner Center Model] to empirical traffic count data collected in Warner Center 2016.

## BACKGROUND

The utilization and underlying assumptions of the Warner Center Model are described in *Transportation Impact Study for Promenade 2035* (Gibson Transportation Consulting, Inc., March 2018) (Traffic Study).

In summary, the Warner Center Model was developed from the Southern California Association of Governments' Regional Transportation Demand Model (SCAG Model), which is based on *2008 Regional Transportation Plan (RTP): Making Connections* (SCAG, 2008). The Warner Center Model, therefore, utilized a base year of 2008 relative to traffic volumes and existing conditions with projected growth based on socio-economic data including employment and household projections associated with the full development of the Warner Center Plan. Sub-regional growth outside of Warner Center is inherent to the Warner Center Model, to the extent that growth was projected for those areas from the SCAG Model. Thus, any analysis under future traffic conditions would also capture the traffic growth from adjacent areas of the Warner Center. The Traffic Study used the Warner Center Model and, therefore, the Traffic Study's growth assumptions related to background development were the same ones used by the Warner Center Plan Environmental Impact Report.

## TRAFFIC VOLUME COMPARISON

As part of the development of analysis assumptions with the Los Angeles Department of Transportation (LADOT), the Warner Center Model derived volumes for Year 2016 were compared to empirical traffic count data collected in 2016. Based on a request by LADOT, the Warner Center Model's 2008 existing year afternoon peak hour volumes were adjusted to reflect a Year 2016 condition, to coincide with the Project's Notice of Preparation submitted in October 2016.

The Warner Center Model's existing year volumes were factored by an annual growth rate of 0.56%, which was derived from the Warner Center Model and represents an annualization of the proposed growth in Warner Center. The application of the annual growth factor to the existing Year 2008 counts allows the estimation of traffic volumes for a specific year, Year 2016 in this exercise.

Empirical weekday afternoon peak hour traffic counts were also conducted at 14 intersections within the vicinity of the Promenade 2035 site on Tuesday, June 7, 2016; the count day was consistent with LADOT's traffic count requirements (i.e., local schools were in session and clear/typical weather conditions).

The afternoon peak hour volumes in Year 2016 derived from the Warner Center Model and the empirical Year 2016 volumes are summarized in Table 1. The detailed traffic count worksheets for the empirical counts conducted in June 2016 are provided in the Attachment.

As shown in Table 2, the empirical Year 2016 traffic counts at nine of the 14 intersections were lower than the Warner Center Model's predicted traffic volumes for 2016 and the volumes at three intersections were nominally the same (no more than 1.5% higher) as the Warner Center Model. The traffic volumes at two intersections were higher than the Warner Center Model. On average, empirical counts of traffic volume in Year 2016 were 2.1% lower than predicted by the Warner Center Model for Year 2016.

The comparison indicates that the Warner Center Model projected higher traffic volumes than the empirical counts overall, meaning that the Traffic Study's use of the Warner Center Model is conservative.

LADOT reviewed and agreed with the finding that traffic volumes derived from the Warner Center Model were conservative relative to the traffic volumes collected in Year 2016. Based on this conclusion, LADOT confirmed that usage of the Warner Center Model to develop and analyze the Promenade 2035 traffic volumes in the Traffic Study was appropriate.

**TABLE 1  
INTERSECTION PEAK HOUR VOLUMES  
WEEKDAY PM PEAK HOUR (YEAR 2016)**

Intersections			Warner Center Model Derived Year 2016 Traffic Volumes [a]												Total
#	N/S Street	E/W Street	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	
7	Topanga Canyon Boulevard	Victory Boulevard	114	1,058	237	223	850	287	355	1,546	176	154	824	148	<b>5,972</b>
9	Owensmouth Avenue	Victory Boulevard	175	532	203	156	1,183	101	194	924	195	75	1,099	94	<b>4,931</b>
14	Randi Avenue/Nevada Avenue	Erwin Street	17	19	16	71	507	34	32	18	18	19	183	18	<b>952</b>
15	Topanga Canyon Boulevard	Erwin Street	45	1,296	117	143	385	179	123	1,794	178	68	162	113	<b>4,603</b>
17	Owensmouth Avenue	Erwin Street	229	450	142	101	298	61	53	723	80	55	321	125	<b>2,638</b>
18	Canoga Avenue	Erwin Street	119	1,170	29	97	228	87	88	1,690	176	148	225	153	<b>4,210</b>
20	Topanga Canyon Boulevard	Promenade Boulevard/Calvert Street	45	1,542	49	118	0	0	92	1,910	110	66	0	0	<b>3,932</b>
21	Owensmouth Avenue	Promenade Mall Driveway	68	541	1	11	4	34	2	741	52	62	2	46	<b>1,564</b>
24	Topanga Canyon Boulevard	Oxnard Street	88	1,317	86	141	660	249	190	1,771	173	144	463	142	<b>5,424</b>
25	Warner Drive South	Oxnard Street	65	1	70	112	709	39	67	4	65	40	411	157	<b>1,740</b>
26	Owensmouth Avenue	Oxnard Street	91	332	90	123	477	60	112	421	128	38	448	61	<b>2,381</b>
27	Canoga Avenue	Oxnard Street	94	1,232	84	70	322	98	109	1,667	174	141	490	181	<b>4,662</b>
33	Topanga Canyon Boulevard	Burbank Boulevard	376	1,199	49	67	948	328	300	2,045	327	149	170	56	<b>6,014</b>
34	Owensmouth Avenue	Burbank Boulevard	440	34	162	155	639	50	117	97	93	63	400	193	<b>2,443</b>

Intersections			Empirical Year 2016 Traffic Counts [b]												Total
#	N/S Street	E/W Street	SBR	SBT	SBL	WBR	WBT	WBL	NBR	NBT	NBL	EBR	EBT	EBL	
7	Topanga Canyon Boulevard	Victory Boulevard	155	1,439	367	248	933	167	207	798	141	279	913	272	<b>5,919</b>
9	Owensmouth Avenue	Victory Boulevard	250	743	263	296	464	180	168	1,066	155	165	975	281	<b>5,006</b>
14	Randi Avenue/Nevada Avenue	Erwin Street	24	42	41	36	27	12	17	157	17	36	357	84	<b>850</b>
15	Topanga Canyon Boulevard	Erwin Street	90	1,746	117	89	1,138	66	99	160	90	222	327	196	<b>4,340</b>
17	Owensmouth Avenue	Erwin Street	44	760	41	96	609	272	73	243	38	25	400	188	<b>2,789</b>
18	Canoga Avenue	Erwin Street	207	1,421	183	78	1,129	115	104	256	113	93	270	132	<b>4,101</b>
20	Topanga Canyon Boulevard	Promenade Boulevard/Calvert Street	145	1,932	30	25	1,397	35	0	0	65	0	0	31	<b>3,660</b>
21	Owensmouth Avenue	Promenade Mall Driveway	42	729	2	2	630	37	46	0	35	26	5	11	<b>1,565</b>
24	Topanga Canyon Boulevard	Oxnard Street	145	1,833	178	94	1,344	80	79	288	133	200	534	162	<b>5,070</b>
25	Warner Drive South	Oxnard Street	81	3	64	44	2	73	76	451	50	36	694	59	<b>1,633</b>
26	Owensmouth Avenue	Oxnard Street	168	537	125	140	421	99	100	404	56	39	522	142	<b>2,753</b>
27	Canoga Avenue	Oxnard Street	170	1,605	132	88	1,098	114	116	414	180	107	377	77	<b>4,478</b>
33	Topanga Canyon Boulevard	Burbank Boulevard	250	1,985	342	37	1,156	434	45	197	151	283	857	73	<b>5,810</b>
34	Owensmouth Avenue	Burbank Boulevard	111	86	114	159	39	411	195	371	58	36	665	200	<b>2,445</b>

Notes

- [a] Year 2016 traffic volume data derived from the Warner Center Model.
- [b] New empirical counts collected in June 2016.

**TABLE 2  
INTERSECTION PEAK HOUR VOLUMES  
TRAFFIC VOLUME DATA COMPARISON**

Intersections			Total		Difference [a]	% Change
#	N/S Street	E/W Street	Derived	Empirical		
7	Topanga Canyon Boulevard	Victory Boulevard	5,972	5,919	-53	-0.9%
9	Owensmouth Avenue	Victory Boulevard	4,931	5,006	75	1.5%
14	Randi Avenue/Nevada Avenue	Erwin Street	952	850	-102	-12.0%
15	Topanga Canyon Boulevard	Erwin Street	4,603	4,340	-263	-6.1%
17	Owensmouth Avenue	Erwin Street	2,638	2,789	151	5.4%
18	Canoga Avenue	Erwin Street	4,210	4,101	-109	-2.7%
20	Topanga Canyon Boulevard	Promenade Boulevard/Calvert Street	3,932	3,660	-272	-7.4%
21	Owensmouth Avenue	Promenade Mall Driveway	1,564	1,565	1	0.1%
24	Topanga Canyon Boulevard	Oxnard Street	5,424	5,070	-354	-7.0%
25	Warner Drive South	Oxnard Street	1,740	1,633	-107	-6.6%
26	Owensmouth Avenue	Oxnard Street	2,381	2,753	372	13.5%
27	Canoga Avenue	Oxnard Street	4,662	4,478	-184	-4.1%
33	Topanga Canyon Boulevard	Burbank Boulevard	6,014	5,810	-204	-3.5%
34	Owensmouth Avenue	Burbank Boulevard	2,443	2,445	2	0.1%
Total			51,466	50,419	-1,047	-2.1%

Note

[a] Diff = Empirical traffic volume - Derived traffic volume

***Attachment***  
***2016 Traffic Counts***

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-001

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Topanga Canyon Blvd			Topanga Canyon Blvd			Victory Blvd			Victory Blvd			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 2	NT 3	NR 1	SL 2	ST 3	SR 0	EL 2	ET 3	ER 0	WL 2	WT 3	WR 1	
3:00 PM	30	322	98	65	268	40	48	163	40	72	192	47	1385
3:15 PM	38	307	95	38	213	42	54	184	49	76	193	58	1347
3:30 PM	51	332	85	59	255	41	39	180	43	69	167	46	1367
3:45 PM	28	324	94	50	230	30	37	208	32	76	201	48	1358
4:00 PM	38	371	90	71	269	27	38	179	24	80	195	60	1442
4:15 PM	40	291	90	50	227	42	44	223	32	83	223	66	1411
4:30 PM	36	353	94	75	245	25	36	188	49	72	196	65	1434
4:45 PM	33	327	96	51	199	43	48	230	37	73	216	71	1424
5:00 PM	44	393	93	71	250	38	48	189	34	65	218	57	1500
5:15 PM	38	348	92	54	226	49	53	194	39	91	232	68	1484
5:30 PM	40	371	86	72	258	37	58	185	31	50	247	76	1511
5:45 PM	48	323	99	67	214	33	42	215	29	61	194	54	1379
<b>TOTAL VOLUMES :</b>	464	4062	1112	723	2854	447	545	2338	439	868	2474	716	17042
<b>APPROACH %'s :</b>	8.23%	72.05%	19.72%	17.97%	70.92%	11.11%	16.41%	70.38%	13.21%	21.39%	60.97%	17.64%	
<b>PEAK HR START TIME :</b>	445 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	155	1439	367	248	933	167	207	798	141	279	913	272	5919
<b>PEAK HR FACTOR :</b>	0.925			0.918			0.910			0.936			0.979

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-002

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Owensmouth Ave			Owensmouth Ave			Victory Blvd			Victory Blvd			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 1	SL 1	ST 2	SR 1	EL 1	ET 3	ER 1	WL 1	WT 3	WR 1	
3:00 PM	42	113	38	66	97	35	30	254	45	31	221	68	1040
3:15 PM	38	122	35	69	113	33	38	232	41	42	212	59	1034
3:30 PM	51	105	39	57	100	31	38	218	48	34	212	52	985
3:45 PM	42	106	47	71	97	40	46	283	36	31	236	60	1095
4:00 PM	56	178	52	64	94	39	37	242	32	43	221	65	1123
4:15 PM	41	139	46	75	102	38	30	266	53	25	271	67	1153
4:30 PM	72	169	51	78	110	37	28	252	33	35	206	55	1126
4:45 PM	50	140	60	71	115	32	39	306	55	38	269	80	1255
5:00 PM	61	205	63	78	119	46	43	262	28	38	238	73	1254
5:15 PM	65	204	72	74	110	44	45	260	40	47	243	60	1264
5:30 PM	74	194	68	73	120	58	41	238	32	42	225	68	1233
5:45 PM	52	157	47	80	91	42	46	267	28	46	229	50	1135
<b>TOTAL VOLUMES :</b>	644	1832	618	856	1268	475	461	3080	471	452	2783	757	13697
<b>APPROACH %'s :</b>	20.81%	59.21%	19.97%	32.94%	48.79%	18.28%	11.49%	76.77%	11.74%	11.32%	69.71%	18.96%	
<b>PEAK HR START TIME :</b>	445 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	250	743	263	296	464	180	168	1066	155	165	975	281	5006
<b>PEAK HR FACTOR :</b>	0.921			0.936			0.868			0.918			0.990

CONTROL : Signalized



# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-003

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Nevada Ave			Nevada Ave			Erwin St			Erwin St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1	0	0	1	0	1	2	0	1	2	0	
3:00 PM	4	10	6	7	6	2	2	38	7	2	52	7	143
3:15 PM	2	3	11	2	6	2	3	33	5	9	57	7	140
3:30 PM	6	3	5	3	5	6	3	37	7	6	66	9	156
3:45 PM	3	5	10	4	10	10	4	37	5	7	75	14	184
4:00 PM	6	8	9	0	6	7	6	32	5	6	60	8	153
4:15 PM	6	7	14	5	5	4	7	39	4	10	67	8	176
4:30 PM	7	10	9	4	6	3	4	33	5	5	86	11	183
4:45 PM	4	5	5	4	6	4	6	39	4	3	78	12	170
5:00 PM	10	13	8	10	6	1	6	34	2	7	97	22	216
5:15 PM	5	6	11	8	9	6	3	50	5	6	77	18	204
5:30 PM	2	10	10	5	5	3	4	38	4	11	105	24	221
5:45 PM	7	13	12	13	7	2	4	35	6	12	78	20	209
<b>TOTAL VOLUMES :</b>	62	93	110	65	77	50	52	445	59	84	898	160	2155
<b>APPROACH %'s :</b>	23.40%	35.09%	41.51%	33.85%	40.10%	26.04%	9.35%	80.04%	10.61%	7.36%	78.63%	14.01%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	24	42	41	36	27	12	17	157	17	36	357	84	850
<b>PEAK HR FACTOR :</b>	0.836			0.815			0.823			0.852			0.962

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-004

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Topanga Canyon Blvd			Topanga Canyon Blvd			Erwin St			Erwin St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 4	NR 0	SL 1	ST 3	SR 0	EL 1	ET 2	ER 0	WL 2	WT 2	WR 1	
3:00 PM	17	397	26	28	321	9	21	41	21	42	56	24	1003
3:15 PM	26	373	16	29	277	9	21	37	29	42	40	41	940
3:30 PM	18	428	24	16	340	14	26	24	19	36	56	26	1027
3:45 PM	17	385	30	25	260	17	29	39	23	36	64	39	964
4:00 PM	25	440	20	18	333	12	20	36	12	42	44	41	1043
4:15 PM	20	376	17	28	275	15	21	39	22	53	64	33	963
4:30 PM	14	449	29	10	312	16	23	38	15	41	61	39	1047
4:45 PM	18	418	26	25	274	13	19	51	25	60	77	34	1040
5:00 PM	14	513	24	21	298	16	21	40	21	50	80	33	1131
5:15 PM	27	381	32	19	283	15	26	49	22	51	86	46	1037
5:30 PM	21	436	30	26	299	18	26	39	23	72	86	55	1131
5:45 PM	28	416	31	23	258	17	26	32	24	49	75	62	1041
<b>TOTAL VOLUMES :</b>	245	5012	305	268	3530	171	279	465	256	574	789	473	12367
<b>APPROACH %'s :</b>	4.40%	90.11%	5.48%	6.75%	88.94%	4.31%	27.90%	46.50%	25.60%	31.26%	42.97%	25.76%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	90	1746	117	89	1138	66	99	160	90	222	327	196	4340
<b>PEAK HR FACTOR :</b>		0.886			0.942			0.899			0.874		0.959

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-006

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Owensmouth Ave			Owensmouth Ave			Erwin St			Erwin St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	12	111	4	30	135	39	26	60	12	4	46	27	506
3:15 PM	8	94	3	28	133	32	29	54	11	7	62	36	497
3:30 PM	10	116	7	23	119	43	21	48	7	9	67	35	505
3:45 PM	7	126	7	40	116	46	19	53	9	4	73	42	542
4:00 PM	7	142	7	33	129	50	21	53	3	6	68	38	557
4:15 PM	15	138	3	30	134	54	19	48	2	13	88	44	588
4:30 PM	9	127	6	30	130	48	26	64	6	1	75	35	557
4:45 PM	8	155	7	28	151	53	12	54	6	8	107	38	627
5:00 PM	11	205	12	17	151	72	18	67	12	8	82	33	688
5:15 PM	12	187	14	28	157	76	19	58	5	5	105	64	730
5:30 PM	13	213	8	23	150	71	24	64	15	4	106	53	744
5:45 PM	9	152	7	30	124	64	29	46	5	7	88	57	618
<b>TOTAL VOLUMES :</b>	121	1766	85	340	1629	648	263	669	93	76	967	502	7159
<b>APPROACH %'s :</b>	6.14%	89.55%	4.31%	12.99%	62.25%	24.76%	25.66%	65.27%	9.07%	4.92%	62.59%	32.49%	
<b>PEAK HR START TIME :</b>	445 PM												TOTAL
<b>PEAK HR VOL :</b>	44	760	41	96	609	272	73	243	38	25	400	188	2789
<b>PEAK HR FACTOR :</b>	0.903			0.936			0.859			0.881			0.937

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-007

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Canoga Ave			Canoga Ave			Erwin St			Erwin St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 3	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	39	310	25	10	275	10	14	60	28	14	36	16	837
3:15 PM	45	296	22	10	217	18	15	40	37	19	35	15	769
3:30 PM	46	335	30	9	257	27	28	41	31	21	46	14	885
3:45 PM	44	327	28	15	266	19	20	52	36	12	51	18	888
4:00 PM	43	378	25	12	269	25	19	51	43	28	52	36	981
4:15 PM	46	313	28	8	232	42	27	33	35	21	50	25	860
4:30 PM	41	341	32	12	308	21	27	67	44	16	46	25	980
4:45 PM	46	368	31	23	266	30	23	63	22	21	73	26	992
5:00 PM	35	374	48	13	278	26	39	69	30	23	59	30	1024
5:15 PM	69	349	52	19	299	25	31	57	28	27	73	40	1069
5:30 PM	57	330	52	23	286	34	11	67	33	22	65	36	1016
5:45 PM	75	334	47	16	246	30	16	51	36	20	49	39	959
<b>TOTAL VOLUMES :</b>	586	4055	420	170	3199	307	270	651	403	244	635	320	11260
<b>APPROACH %'s :</b>	11.58%	80.12%	8.30%	4.62%	87.02%	8.35%	20.39%	49.17%	30.44%	20.35%	52.96%	26.69%	
<b>PEAK HR START TIME :</b>	445 PM												TOTAL
<b>PEAK HR VOL :</b>	207	1421	183	78	1129	115	104	256	113	93	270	132	4101
<b>PEAK HR FACTOR :</b>	0.963			0.964			0.857			0.884			0.959

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-008

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

PM

NS/EW Streets:	Topanga Canyon Blvd			Topanga Canyon Blvd			Calvert St			Calvert St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 3	SR 0	EL 0	ET 1	ER 0	WL 0	WT 2	WR 0	
3:00 PM	15	425	3	6	374	13	0	0	14	0	0	6	856
3:15 PM	28	441	5	3	335	12	0	0	13	0	0	6	843
3:30 PM	12	430	7	5	374	10	0	0	14	0	0	8	860
3:45 PM	29	439	12	7	306	14	0	0	16	0	0	11	834
4:00 PM	21	451	9	6	361	13	0	0	16	0	0	13	890
4:15 PM	29	411	6	2	342	13	0	0	17	0	0	9	829
4:30 PM	48	481	6	6	348	10	0	0	13	0	0	6	918
4:45 PM	28	462	9	5	348	11	0	0	13	0	0	12	888
5:00 PM	33	532	11	7	354	3	0	0	18	0	0	5	963
5:15 PM	36	457	4	7	347	11	0	0	21	0	0	8	891
5:30 PM	34	452	11	5	370	18	0	0	17	0	0	9	916
5:45 PM	28	478	5	2	324	10	0	0	18	0	0	5	870
<b>TOTAL VOLUMES :</b>	341	5459	88	61	4183	138	0	0	190	0	0	98	10558
<b>APPROACH %'s :</b>	5.79%	92.71%	1.49%	1.39%	95.46%	3.15%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	
<b>PEAK HR START TIME :</b>	430 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	145	1932	30	25	1397	35	0	0	65	0	0	31	3660
<b>PEAK HR FACTOR :</b>	0.914			0.998			0.774			0.646			0.950

CONTROL : 2-Way Stop (EB/WB)

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-009

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Owensmouth Ave			Owensmouth Ave			Promenade Mall			Promenade Mall			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 0	ET 2	ER 0	WL 0	WT 2	WR 0	
3:00 PM	6	117	0	0	141	8	5	0	6	3	0	0	286
3:15 PM	3	108	0	2	146	6	4	0	6	1	0	0	276
3:30 PM	8	111	0	1	118	12	9	0	5	6	0	0	270
3:45 PM	9	122	0	1	119	13	8	0	5	2	0	0	279
4:00 PM	10	144	0	0	131	6	10	0	7	12	0	0	320
4:15 PM	12	139	0	0	123	15	11	0	5	6	0	0	311
4:30 PM	13	142	1	2	138	9	3	0	12	6	1	1	328
4:45 PM	9	149	0	0	157	9	8	0	12	7	1	2	354
5:00 PM	5	196	0	1	148	12	16	0	2	7	2	4	393
5:15 PM	14	188	2	0	174	5	15	0	12	6	2	3	421
5:30 PM	14	196	0	1	151	11	7	0	9	6	0	2	397
5:45 PM	5	155	0	0	131	10	12	0	15	1	0	2	331
<b>TOTAL VOLUMES :</b>	108	1767	3	8	1677	116	108	0	96	63	6	14	3966
<b>APPROACH %'s :</b>	5.75%	94.09%	0.16%	0.44%	93.11%	6.44%	52.94%	0.00%	47.06%	75.90%	7.23%	16.87%	
<b>PEAK HR START TIME :</b>	445 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	42	729	2	2	630	37	46	0	35	26	5	11	1565
<b>PEAK HR FACTOR :</b>	0.920			0.934			0.750			0.808			0.929

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-011

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Topanga Canyon Blvd			Topanga Canyon Blvd			Oxnard St			Oxnard St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 3	SR 0	EL 1	ET 2	ER 1	WL 1	WT 2	WR 1	
3:00 PM	27	367	22	30	321	14	14	62	21	39	64	37	1018
3:15 PM	22	449	33	20	355	21	14	59	30	38	71	27	1139
3:30 PM	27	381	35	23	341	15	14	52	30	52	81	37	1088
3:45 PM	29	468	36	35	332	11	11	60	31	35	56	27	1131
4:00 PM	28	398	29	22	306	14	23	67	30	42	86	36	1081
4:15 PM	30	413	32	27	353	21	12	73	30	56	90	33	1170
4:30 PM	33	469	21	20	317	17	16	51	37	47	96	37	1161
4:45 PM	28	482	33	26	355	18	17	64	22	45	104	32	1226
5:00 PM	40	474	43	22	309	17	22	71	21	59	158	51	1287
5:15 PM	40	463	50	28	370	21	13	64	46	48	113	37	1293
5:30 PM	35	426	41	17	337	18	24	86	38	50	142	28	1242
5:45 PM	30	470	44	27	328	24	20	67	28	43	121	46	1248
<b>TOTAL VOLUMES :</b>	369	5260	419	297	4024	211	200	776	364	554	1182	428	14084
<b>APPROACH %'s :</b>	6.10%	86.97%	6.93%	6.55%	88.79%	4.66%	14.93%	57.91%	27.16%	25.60%	54.62%	19.78%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	145	1833	178	94	1344	80	79	288	133	200	534	162	5070
<b>PEAK HR FACTOR :</b>	0.968			0.906			0.845			0.836			0.980

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-012

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Warner Center Towers Dwy_Westfield Promenade Dwy			Warner Center Towers Dwy_Westfield Promenade Dwy			Oxnard St			Oxnard St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 0	NR 1	SL 0.5	ST 0.5	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	11	0	15	10	0	7	17	90	7	9	111	10	287
3:15 PM	15	0	12	8	0	13	6	96	11	7	103	13	284
3:30 PM	12	1	16	12	0	15	15	83	11	11	117	16	309
3:45 PM	13	0	11	14	0	14	17	104	12	7	93	20	305
4:00 PM	17	1	10	10	1	14	18	83	13	4	113	16	300
4:15 PM	18	0	18	11	0	15	33	98	11	6	143	10	363
4:30 PM	11	0	12	10	0	7	14	65	6	6	137	12	280
4:45 PM	18	1	8	10	0	12	15	105	5	7	171	8	360
5:00 PM	31	0	20	16	0	17	19	107	10	6	194	18	438
5:15 PM	9	1	14	11	1	21	21	116	17	5	173	14	403
5:30 PM	19	0	19	5	0	15	17	123	11	9	168	14	400
5:45 PM	22	2	11	12	1	20	19	105	12	16	159	13	392
<b>TOTAL VOLUMES :</b>	196	6	166	129	3	170	211	1175	126	93	1682	164	4121
<b>APPROACH %'s :</b>	53.26%	1.63%	45.11%	42.72%	0.99%	56.29%	13.96%	77.71%	8.33%	4.80%	86.75%	8.46%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	81	3	64	44	2	73	76	451	50	36	694	59	1633
<b>PEAK HR FACTOR :</b>	0.725			0.902			0.937			0.905			0.932

CONTROL : Signalized



# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-013

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Owensmouth Ave			Owensmouth Ave			Oxnard St			Oxnard St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 2	NR 0	SL 1	ST 2	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	18	70	23	31	93	25	31	67	8	8	78	21	473
3:15 PM	24	88	23	31	101	24	13	97	12	9	84	19	525
3:30 PM	23	71	23	23	83	22	20	75	12	13	93	19	477
3:45 PM	17	91	21	22	80	23	19	101	13	14	80	26	507
4:00 PM	17	113	42	27	103	23	13	75	9	17	99	23	561
4:15 PM	33	104	31	27	79	28	17	106	9	6	96	30	566
4:30 PM	24	121	35	26	107	25	18	56	10	12	112	22	568
4:45 PM	36	102	31	34	103	33	23	94	12	9	108	26	611
5:00 PM	50	153	42	32	105	27	23	98	15	7	149	30	731
5:15 PM	35	138	23	39	121	25	30	105	13	5	122	33	689
5:30 PM	37	134	29	35	115	24	27	102	15	15	136	49	718
5:45 PM	46	112	31	34	80	23	20	99	13	12	115	30	615
<b>TOTAL VOLUMES :</b>	360	1297	354	361	1170	302	254	1075	141	127	1272	328	7041
<b>APPROACH %'s :</b>	17.90%	64.50%	17.60%	19.69%	63.83%	16.48%	17.28%	73.13%	9.59%	7.35%	73.65%	18.99%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	168	537	125	140	421	99	100	404	56	39	522	142	2753
<b>PEAK HR FACTOR :</b>	0.847			0.892			0.946			0.879			0.942

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-014

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Canoga Ave			Canoga Ave			Oxnard St			Oxnard St			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 3	SR 0	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	24	309	26	21	246	24	25	51	51	25	59	16	877
3:15 PM	32	314	18	14	251	20	24	75	45	34	46	14	887
3:30 PM	41	356	25	16	247	24	34	72	41	26	69	21	972
3:45 PM	39	338	24	29	263	24	24	69	43	26	48	21	948
4:00 PM	36	384	28	18	275	25	34	97	48	24	67	18	1054
4:15 PM	36	335	24	20	261	28	24	76	52	24	68	8	956
4:30 PM	21	369	52	17	300	36	29	79	36	33	82	25	1079
4:45 PM	42	392	36	22	262	27	22	85	35	23	74	17	1037
5:00 PM	43	403	34	22	259	22	36	128	45	25	109	21	1147
5:15 PM	35	444	28	23	322	35	30	85	60	28	82	19	1191
5:30 PM	50	366	34	21	255	30	28	116	40	31	112	20	1103
5:45 PM	42	394	25	22	245	32	24	93	42	24	68	21	1032
<b>TOTAL VOLUMES :</b>	441	4404	354	245	3186	327	334	1026	538	323	884	221	12283
<b>APPROACH %'s :</b>	8.48%	84.71%	6.81%	6.52%	84.78%	8.70%	17.60%	54.06%	28.35%	22.62%	61.90%	15.48%	
<b>PEAK HR START TIME :</b>	445 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	170	1605	132	88	1098	114	116	414	180	107	377	77	4478
<b>PEAK HR FACTOR :</b>	0.940			0.855			0.849			0.860			0.940

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-015

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Topanga Canyon Blvd			Topanga Canyon Blvd			Burbank Blvd			Burbank Blvd			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 3	NR 0	SL 1	ST 3	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 1	
3:00 PM	67	418	59	16	234	90	8	48	34	38	137	12	1161
3:15 PM	61	451	65	11	286	119	5	32	35	49	127	16	1257
3:30 PM	51	442	64	10	274	94	7	41	31	43	167	18	1242
3:45 PM	56	492	63	12	255	115	5	44	43	49	145	17	1296
4:00 PM	66	453	70	11	247	112	5	41	40	42	185	15	1287
4:15 PM	58	439	76	14	302	98	13	39	38	58	175	12	1322
4:30 PM	69	483	76	14	272	89	11	43	32	62	209	21	1381
4:45 PM	51	492	82	12	305	89	5	46	42	61	212	19	1416
5:00 PM	54	492	86	11	276	107	13	45	39	75	210	24	1432
5:15 PM	63	481	83	7	325	88	16	44	39	84	246	13	1489
5:30 PM	64	510	79	7	283	134	8	62	35	60	203	21	1466
5:45 PM	69	502	94	12	272	105	8	46	38	64	198	15	1423
<b>TOTAL VOLUMES :</b>	729	5655	897	137	3331	1240	104	531	446	685	2214	203	16172
<b>APPROACH %'s :</b>	10.01%	77.67%	12.32%	2.91%	70.75%	26.34%	9.62%	49.12%	41.26%	22.08%	71.37%	6.54%	
<b>PEAK HR START TIME :</b>	500 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	250	1985	342	37	1156	434	45	197	151	283	857	73	5810
<b>PEAK HR FACTOR :</b>	0.969			0.959			0.936			0.884			0.975

CONTROL : Signalized

# Intersection Turning Movement

Prepared by:

**National Data & Surveying Services**

Project ID: 16-5404-016

Day: Tuesday

City: Woodland Hills

**TOTALS**

Date: 6/7/2016

**PM**

NS/EW Streets:	Owensmouth Ave			Owensmouth Ave			Burbank Blvd			Burbank Blvd			TOTAL
	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			
LANES:	NL 1	NT 1	NR 0	SL 1	ST 1	SR 1	EL 1	ET 2	ER 0	WL 1	WT 2	WR 0	
3:00 PM	5	12	15	28	9	75	22	78	15	3	104	19	385
3:15 PM	16	8	12	31	12	75	37	60	5	5	94	31	386
3:30 PM	17	13	19	22	8	71	34	74	9	5	138	29	439
3:45 PM	15	10	13	30	12	75	42	65	15	7	116	32	432
4:00 PM	21	12	22	25	8	102	49	75	17	10	128	25	494
4:15 PM	24	12	20	30	9	87	45	80	9	7	126	40	489
4:30 PM	14	18	21	39	16	105	53	91	8	9	186	30	590
4:45 PM	23	12	32	43	13	93	52	89	15	12	151	36	571
5:00 PM	43	37	35	31	7	104	52	99	15	5	169	55	652
5:15 PM	25	16	28	43	12	101	42	88	12	13	197	51	628
5:30 PM	20	21	19	42	7	113	49	95	16	6	148	58	594
5:45 PM	9	13	20	30	10	89	56	96	15	6	166	39	549
<b>TOTAL VOLUMES :</b>	232	184	256	394	123	1090	533	990	151	88	1723	445	6209
<b>APPROACH %'s :</b>	34.52%	27.38%	38.10%	24.52%	7.65%	67.83%	31.84%	59.14%	9.02%	3.90%	76.37%	19.73%	
<b>PEAK HR START TIME :</b>	445 PM												<b>TOTAL</b>
<b>PEAK HR VOL :</b>	111	86	114	159	39	411	195	371	58	36	665	200	2445
<b>PEAK HR FACTOR :</b>	0.676			0.940			0.940			0.863			0.938

CONTROL : Signalized