

CITY OF LOS ANGELES
INTER-DEPARTMENTAL CORRESPONDENCE

2730 N Onyx Dr
DOT Case No. CEN 18-47009

Date: August 9, 2018

To: Luciaralia Ibarra, City Planner
Department of City Planning

From: Wes Pringle, Transportation Engineer
Department of Transportation

Subject: **SUPPLEMENTAL TRANSPORTATION IMPACT ASSESSMENT FOR THE RESIDENTIAL DEVELOPMENT AT 2730 NORTH ONYX DRIVE**

On May 5, 2016, the Department of Transportation (DOT) issued a traffic assessment report to the Department of City Planning regarding a proposed residential development located at 2730 North Onyx Drive. However, since the report was released, the project description and trip generation rates have been modified, and an updated transportation analysis was prepared and submitted to DOT. Therefore, DOT has prepared this transportation impact assessment report and has updated the original project requirements to be consistent with current City and DOT policies. Please replace the previous DOT assessment with this report.

DOT has reviewed the updated transportation analysis, prepared by TEP, dated May 2018, for the proposed residential development at **2730 Onyx Drive**. The original study, dated February 2016, and the updated analysis evaluated two intersections and determined that, based on DOT's current traffic impact criteria¹, none of the study intersections would be significantly impacted by project-related traffic. The results of the traffic analysis, which accounted for other known development projects in evaluating potential cumulative impacts and adequately evaluated the project's traffic impacts on the surrounding area, are summarized in **Attachment 1**.

DISCUSSION AND FINDINGS

A. Project Description

The proposed residential development at 2730 North Onyx Drive is currently a vacant lot. When compared to the original study, the developer has modified the study as such:

¹ Per DOT's Traffic Study Policies and Procedures, a significant impact is identified as an increase in the Critical Movement Analysis (CMA) value, due to project related traffic, of 0.01 or more when the final ("with project") Level of Service (LOS) is LOS E or F; an increase of 0.020 or more when the final LOS is LOS D; or an increase of 0.040 or more when the final LOS is LOS C.

	Original Project	Revised Project
Single-Family Homes	31 units	32 units
Buildout Year	2019	2021
ITE Trip Generation Manual	9 th Edition	10 th Edition

The project did not indicate the total number of parking spaces, and vehicular access will be provided via internal roadways that connect to nearby Local Streets. The project is expected to be completed by 2021.

B. Trip Generation

The original project was estimated to generate 358 net new daily trips, 31 net new trips in the a.m. peak hour, and 37 net new trips in the p.m. peak hour. The original trip generation estimates are based on formulas published by the Institute of Transportation Engineers (ITE) Trip Generation, 9th Edition, 2012.

The revised project is expected to generate fewer trips, with 302 net new daily trips, 24 net new trips in the a.m. peak hour, and 32 net new trips in the p.m. peak hour. The updated trip generation estimates are based on formulas published by the Institute of Transportation Engineers (ITE) Trip Generation, 10th Edition, 2018.

A copy of the two trip generation tables can be found in **Attachment 2**.

C. Freeway Analysis

The traffic study included a freeway impact analysis that was prepared in accordance with the State-mandated Congestion Management Program (CMP) administered by the Los Angeles County Metropolitan Transportation Authority (MTA). According to this analysis, the project would not result in significant traffic impacts on any of the evaluated freeway mainline segments. To comply with the Freeway Impact Analysis Agreement executed between Caltrans and DOT in October 2013, the study also included a screening analysis to determine if additional evaluation of freeway mainline and ramp segments was necessary beyond the CMP requirements. The project did not meet or exceed any of the four thresholds defined in the latest agreement, updated in December 2015. Exceeding one of the four screening criteria would require the applicant to work directly with Caltrans to prepare more detailed freeway analyses. No additional freeway analysis was required.

PROJECT REQUIREMENTS

A. Construction Impacts

DOT recommends that a construction work site traffic control plan be submitted to DOT for review and approval prior to the start of any construction work. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs and access to abutting properties. DOT also recommends that all construction related traffic be restricted to off-peak hours.

B. Highway Dedication And Street Widening Requirements

On January 20, 2016, the City Council adopted the Mobility Plan 2035 which is the new Mobility Element of the General Plan. A key feature of the updated plan is to revise street standards in an effort to provide a more enhanced balance between traffic flow and other important street functions including transit routes and stops, pedestrian environments, bicycle routes, building design and site access, etc. Per the new Mobility Element, **Onyx Drive, Beryl Street, and Forest Park Drive** are all designated as a Local Street-Standard, which would require a 18-foot half-width roadway and a 30-foot half-width right-of-way. The applicant should check with BOE's Land Development Group to determine if there are any other applicable highway dedication, street widening and/or sidewalk requirements for this project.

C. Parking Requirements

The project did not indicate the total number of parking spaces. The applicant should check with the Department of Building and Safety on the number of Code-required parking spaces needed for the project.

D. Driveway Access and Circulation

The proposed site plan illustrated in **Attachment 3** is acceptable to DOT; however, review of the study does not constitute approval of the driveway dimensions and internal circulation schemes. Those require separate review and approval and should be coordinated with DOT's Citywide Planning Coordination Section (201 N. Figueroa Street, 5th Floor, Room 550, at 213-482-7024). In order to minimize potential building design changes, the applicant should contact DOT for driveway width and internal circulation requirements so that such traffic flow considerations are designed and incorporated early into the building and parking layout plans. All new driveways should be Case 2 driveways and any security gates should be a minimum 20 feet from the property line. All truck loading and unloading should take place on site with no vehicles backing into the project via any of the project driveways.

E. Development Review Fees

An ordinance adding Section 19.15 to the Los Angeles Municipal Code relative to application fees paid to DOT for permit issuance activities was adopted by the Los Angeles City Council in 2009. This ordinance identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any applicable fees per this ordinance.

If you have any questions, please contact Johnathan Yu of my staff at [\(213\) 972-4993](tel:(213)972-4993).

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c: Shawn Kuk, Council District No. 14
 Carl Mills, BOE Development Services
 Mehrdad Moshksar, Central District Office, DOT
 Taimour Tanavoli, Case Management Office, DOT
 Kiyoshi Graves, Urban Planning Studios

ATTACHMENT 1
Summary of Volume to Capacity Ratios (V/C) and Level of Service (LOS)

Table 3

Intersection Level of Service Analysis

Intersection Name	Existing												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.149 - F	1.175 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.061 - F	0.792 - C

Intersection Name	Existing Plus Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.153 - F	1.178 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.067 - F	0.799 - C

Intersection Name	Opening Year (2021) Without Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.202 - F	1.231 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.118 - F	0.837 - D

Intersection Name	Opening Year (2021) With Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.206 - F	1.235 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.124 - F	0.844 - D

See Appendix D.

ATTACHMENT 2
Project Trip Generation Estimates

TABLE 3
ESTIMATED PROJECT TRIP GENERATION

	Size	Daily	AM Peak Hour			PM Peak Hour		
			IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project Single-Family Homes	31 d.u.	358	8	23	31	23	14	37
Trip Rates [1] Single-Family Housing (ITE Land Use 210)	Trips per d.u.	[2]	25%	75%	[2]	63%	37%	[2]

[1] Trip Generation Manual, 9th Edition, ITE 2012

[2] Trip generation rates for apartment was calculated using the following equations:

Where:

Daily:	$\ln(T) = 0.92 \ln(X) + 2.72$		
AM Peak Hour:	$T = 0.70(X) + 9.74$		$T = \text{Two-way volume of traffic (total trip-ends)}$
PM Peak Hour:	$\ln(T) = 0.90 \ln(X) + 0.51$		$X = \text{Number of dwelling units}$

Table 1

Project Trip Generation

Land Use	Quantity	Unit	Peak Hour						Daily	
			Morning			Evening				
			Inbound	Outbound	Total	Inbound	Outbound	Total		
Trip Generation Rates										
Single-Family Detached Housing	1	Dwelling	0.18	0.56	0.74	0.37	0.62	0.99	9.44	
Trips Generated										
Single-Family Detached Housing	32	Dwellings	6	18	24	12	20	32	302	

Trip generation rates obtained from the Institute of Transportation, Trip Generation Manual, 10th edition.

ATTACHMENT 3
Project Site plan



2730 North Onyx Dr., Los Angeles, CA

Traffic Impact Study Report

Prepared for:

Yallah Yallah, LLC
1030 Foothill Blvd., La Canada, CA 91011
Contact: Henry Suarez
818 949 7613

Prepared by:



City of LA Tax Registration Certificate # 002370090-0001-1

Craig S Neustaedter
California Registered Traffic Engineer
License #: 1433/Expiration December 31, 2018



May 2018

INTRODUCTION

The firm of TEP is pleased to provide this focused traffic analysis for the 2730 North Onyx Drive project in the City of Los Angeles. The proposed project consists of 32 single-family residential dwelling units. TEP has been asked to conduct an analysis of the project related trips to determine if the project will significantly impact the intersections of Huntington Drive North (NS) at Soto Street (EW) and North Mission Road (NS) at North Broadway (EW).

This report summarizes our methodology, analysis, and findings. Although this is a technical report, every effort has been made to write the report clearly and concisely.

PROJECT DESCRIPTION

The proposed project consists of 32 single-family residential dwelling units and the project site is located at 2730 North Onyx Drive in the City of Los Angeles. Figure 1 provides the project location map and Figure 2 provides the project site plan.

CITY OF LOS ANGELES MEMORANDUM OF UNDERSTANDING

A detailed memorandum of understanding specifically for this project has been created, reviewed, and approved by the City of Los Angeles Department of Transportation. This document identifies the project location, projected trip generation, projected trip distribution, ambient growth rate, and study area intersections. A copy of the approved memorandum of understanding is provided in Appendix A.

EXISTING TRAFFIC DATA

Existing traffic data was collected by Counts Unlimited at the identified study area intersections utilizing the City of Los Angeles requirements and format. Specifically, morning and evening peak hour traffic volume data was obtained on March 15, 2018. Traffic count data is provided in Appendix B.

PROJECT TRIP GENERATION

Project trip generation rates were obtained from the Institute of Transportation, Trip Generation Manual, 10th edition. The project site is proposed to generate approximately 302 daily vehicle trips of which 24 will occur during the morning peak hour and 32 will occur during the evening peak hour. See Table 1 for the project trip generation calculations

PROJECT TRIP DISTRIBUTION

Project trip distribution has been determined based on information from a previous technical memorandum completed for this project site and engineering judgment. Project inbound trip distribution is provided on Figure 3 and project outbound trip distribution is provided on Figure 4. The project trip distribution has been approved by the City of Los Angeles Department of Transportation.

FUTURE AMBIENT GROWTH

A one percent annual growth rate over a three year period is utilized in this analysis for future conditions. The ambient growth rate has been approved by the City of Los Angeles Department of Transportation.

OTHER DEVELOPMENTS

Other developments within the study area that will contribute measurable traffic to the study area intersections have been provided by the City of Los Angeles. Table 2 provides the trip generation for the applicable developments. Figures 5 and 6 provide the directional distribution for the other developments.

INTERSECTION ANALYSIS

The intersection analysis has been completed utilizing the intersection Level of Service worksheets provided by the City of Los Angeles Department of Transportation.

The study area intersections are currently controlled by the City of Los Angeles Automated Traffic Surveillance and Control System and Adaptive Traffic Control System. In accordance with the Los Angeles Department of Transportation procedures, a capacity increase of ten percent has been applied to the analysis.

The intersection of Huntington Drive North (NS) at Soto Street (EW) appears to currently be operating at Level of Service F during the morning evening peak hours. The Level of service is projected to not change with the addition of the proposed project, ambient growth, and other developments.

The intersection of North Mission Road (NS) at North Broadway (EW) appears to currently be operating at Level of Service F during the morning peak hour and Level of Service C during the evening peak hour. The Level of service is projected to not change with the addition of the proposed project, ambient growth, and other developments, except during the Opening Year (2021) Without and With Project scenarios where the Level of Service during the evening peak hour is projected to degrade from Level of Service C to Level of Service D.

A summary of the intersection Level of Service analysis is provided in Table 3. Intersection analysis data calculations are located in Appendix C. The intersection analysis worksheets are located in Appendix D.

PROJECT SIGNIFICANT IMPACTS

Based on the intersection analysis, the project does not significantly impact the study area intersections. The intersection analysis worksheets that include the significant impact calculations are located in Appendix D.

CONCLUSIONS

1. The proposed project consists of 32 single-family residential dwelling units and the project site is located at 2730 North Onyx Drive in the City of Los Angeles.
2. A detailed memorandum of understanding specifically for this project has been created, reviewed, and approved by the City of Los Angeles Department of Transportation.
3. Existing traffic data was collected by Counts Unlimited at the identified study area intersections utilizing the City of Los Angeles requirements and format. Specifically, morning and evening peak hour traffic volume data was obtained on March 15, 2018.
4. The project site is proposed to generate approximately 302 daily vehicle trips of which 24 will occur during the morning peak hour and 32 will occur during the evening peak hour.
5. The Level of service is projected to not change with the addition of the proposed project, ambient growth, and other developments, except during the Opening Year (2021) Without and With Project scenarios where the Level of Service during the evening peak hour is projected to degrade from Level of Service C to Level of Service D
6. The project does not significantly impact the study area intersections.

It has been a pleasure to service your needs on this project. Should you have any questions or if we can be of further assistance, please do not hesitate to call at 1-949-552-4357.

Sincerely,

Table 1

Project Trip Generation

Land Use	Quantity	Unit	Peak Hour						Daily	
			Morning			Evening				
			Inbound	Outbound	Total	Inbound	Outbound	Total		
Trip Generation Rates										
Single-Family Detached Housing	1	Dwelling	0.18	0.56	0.74	0.37	0.62	0.99	9.44	
Trips Generated										
Single-Family Detached Housing	32	Dwellings	6	18	24	12	20	32	302	

Trip generation rates obtained from the Institute of Transportation, Trip Generation Manual, 10th edition.

Table 2

Other Development Trip Generation

CLATS Project ID	Peak Hour							Daily	
	Morning			Evening					
	Inbound	Outbound	Total	Inbound	Outbound	Total			
40440	74	20	94	38	103	141	1,384		
45043	25	31	56	23	21	44	544		

Trip generation data has been obtained from the City of Los Angeles Department of Transportation.

Table 3

Intersection Level of Service Analysis

Intersection Name	Existing												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
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Intersection Name	Existing Plus Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
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Intersection Name	Opening Year (2021) Without Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.202 - F	1.231 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.118 - F	0.837 - D

Intersection Name	Opening Year (2021) With Project												Peak Hour Level of Service	
	Northbound			Southbound			Eastbound			Westbound				
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Morning	Evening
Huntington Drive (NS) at: Soto Street (EW)	1	1.5	0.5	2	1.5	0.5	0.33	0.33	0.33	0.5	0.5	2	1.206 - F	1.235 - F
North Mission Road (NS) at: North Broadway (EW)	1	1.5	0.5	1	2	1	1.5	0.5	1	0.33	0.33	0.33	1.124 - F	0.844 - D

See Appendix D.

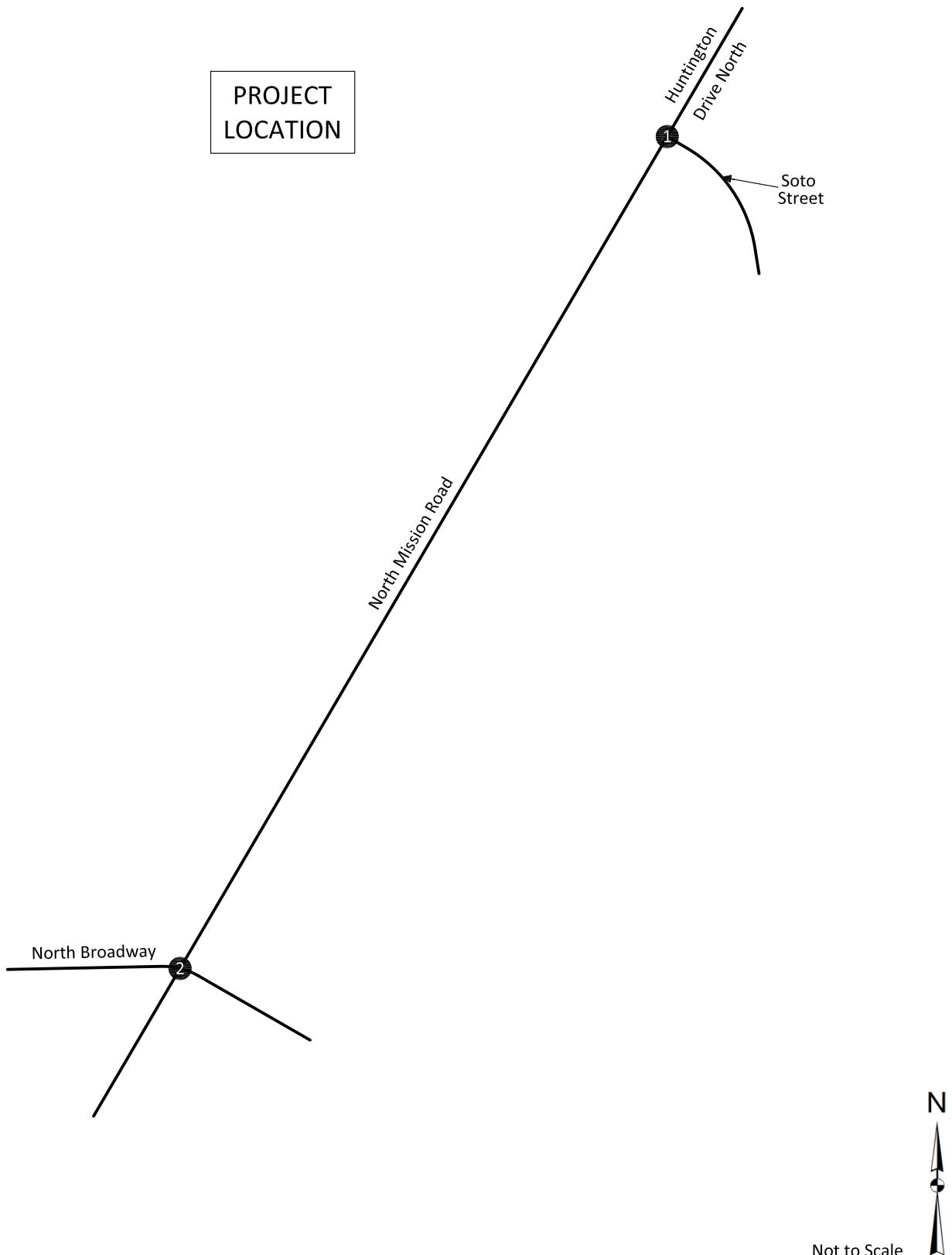


FIGURE 1
PROJECT LOCATION MAP



Not to Scale

FIGURE 2
PROJECT SITE PLAN

TEP

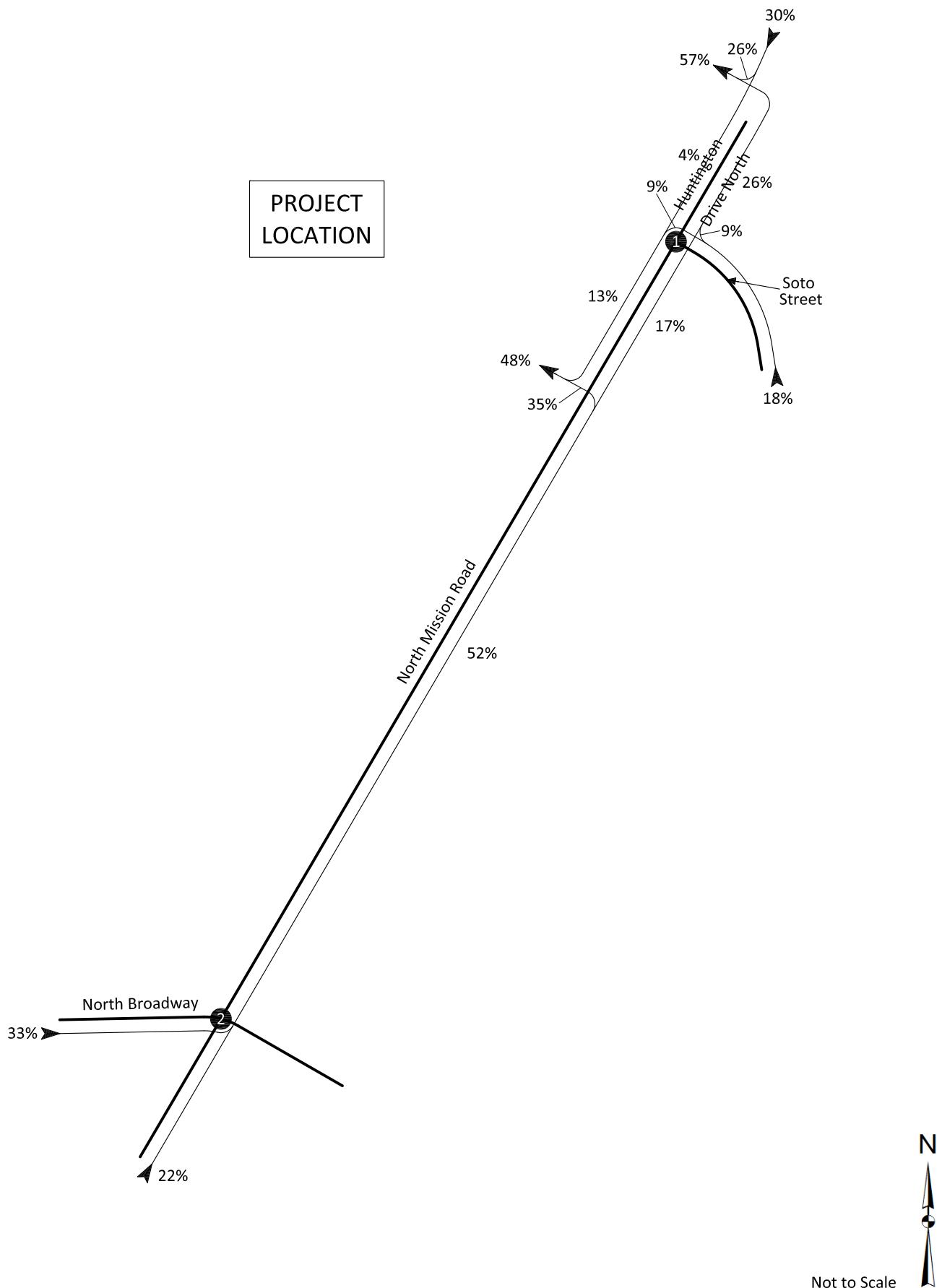


FIGURE 3
PROJECT INBOUND TRIP DISTRIBUTION



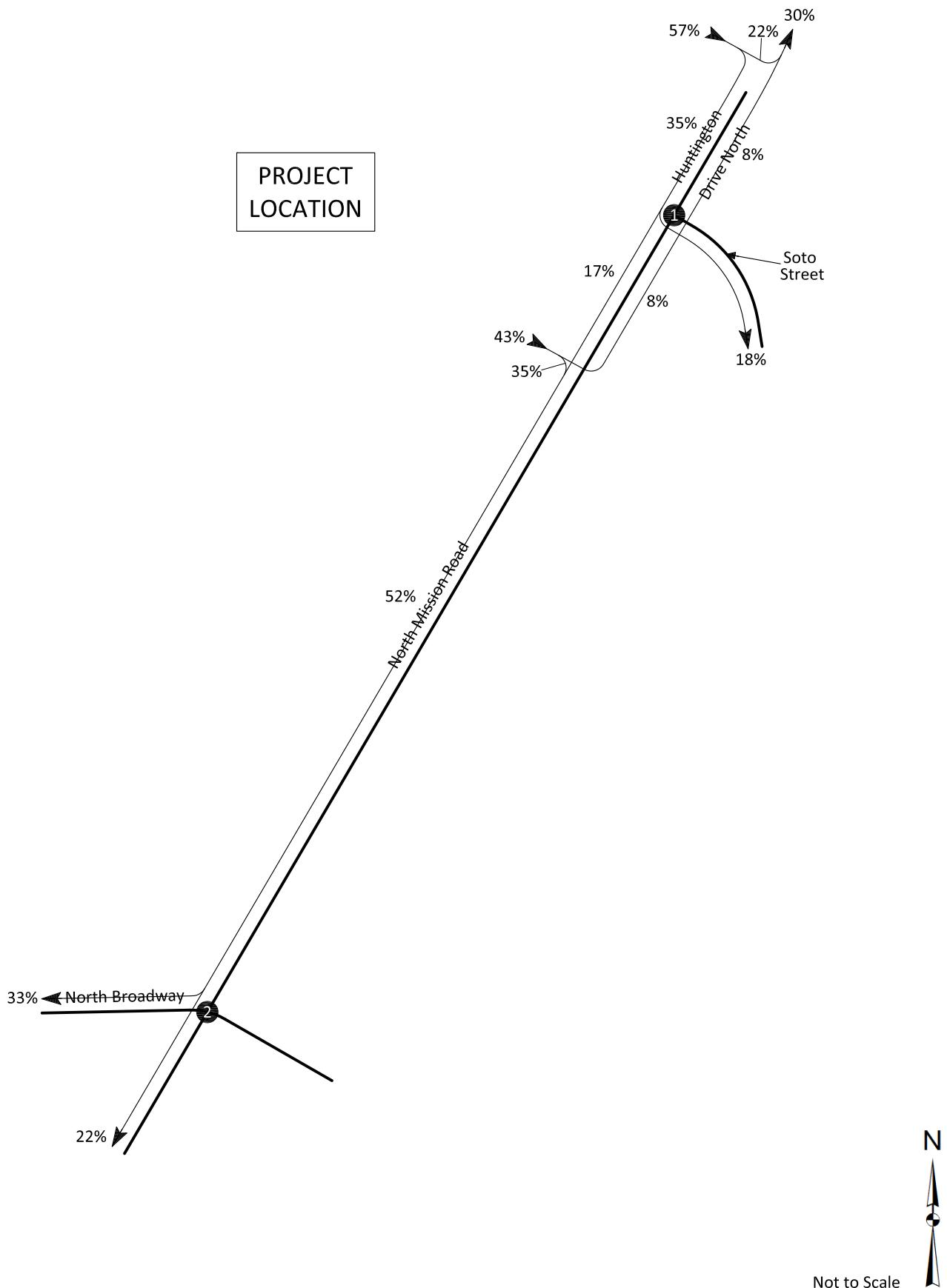


FIGURE 4
PROJECT OUTBOUND TRIP DISTRIBUTION



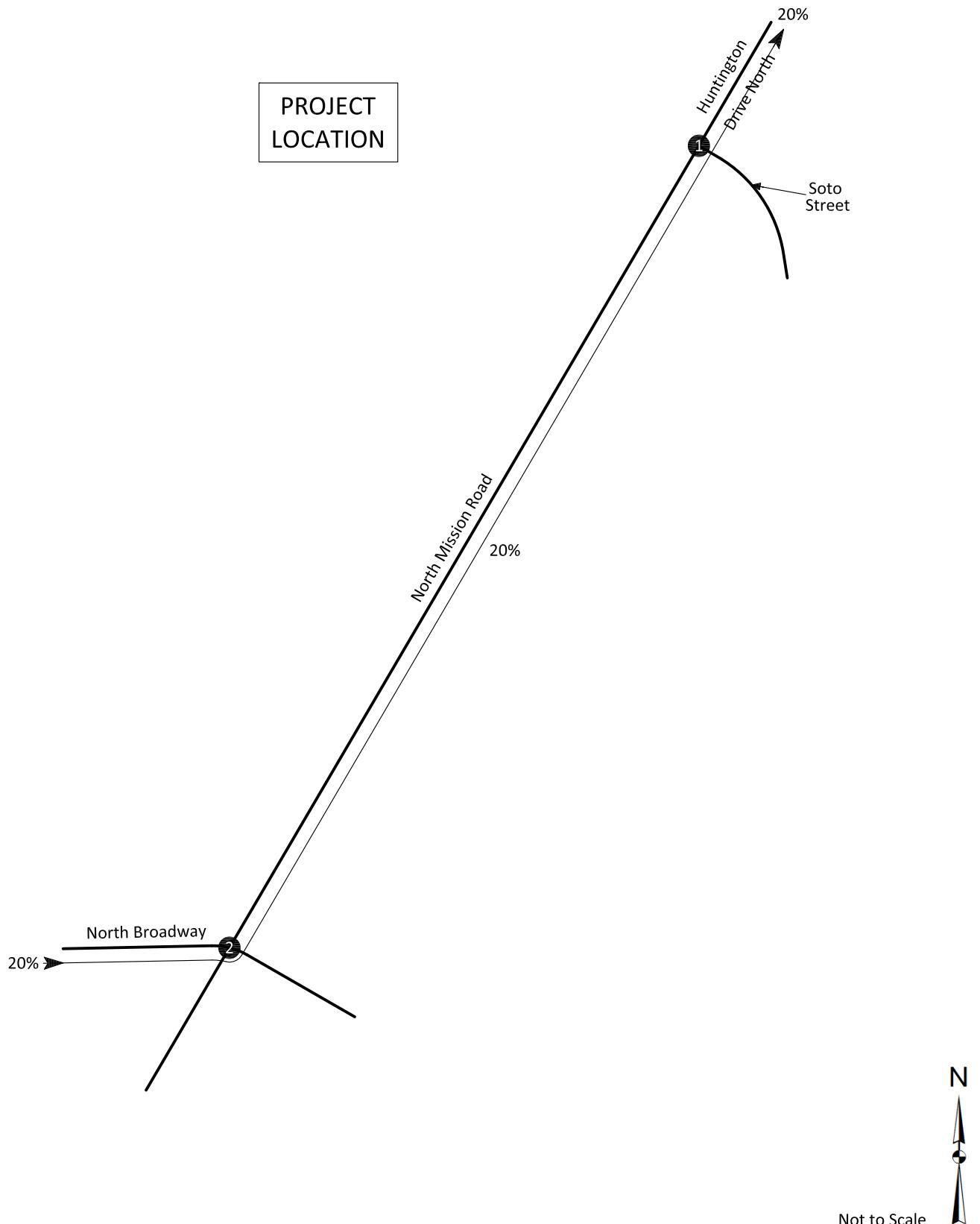


FIGURE 5
OTHER DEVELOPMENT #40440 TRAFFIC DISTRIBUTION



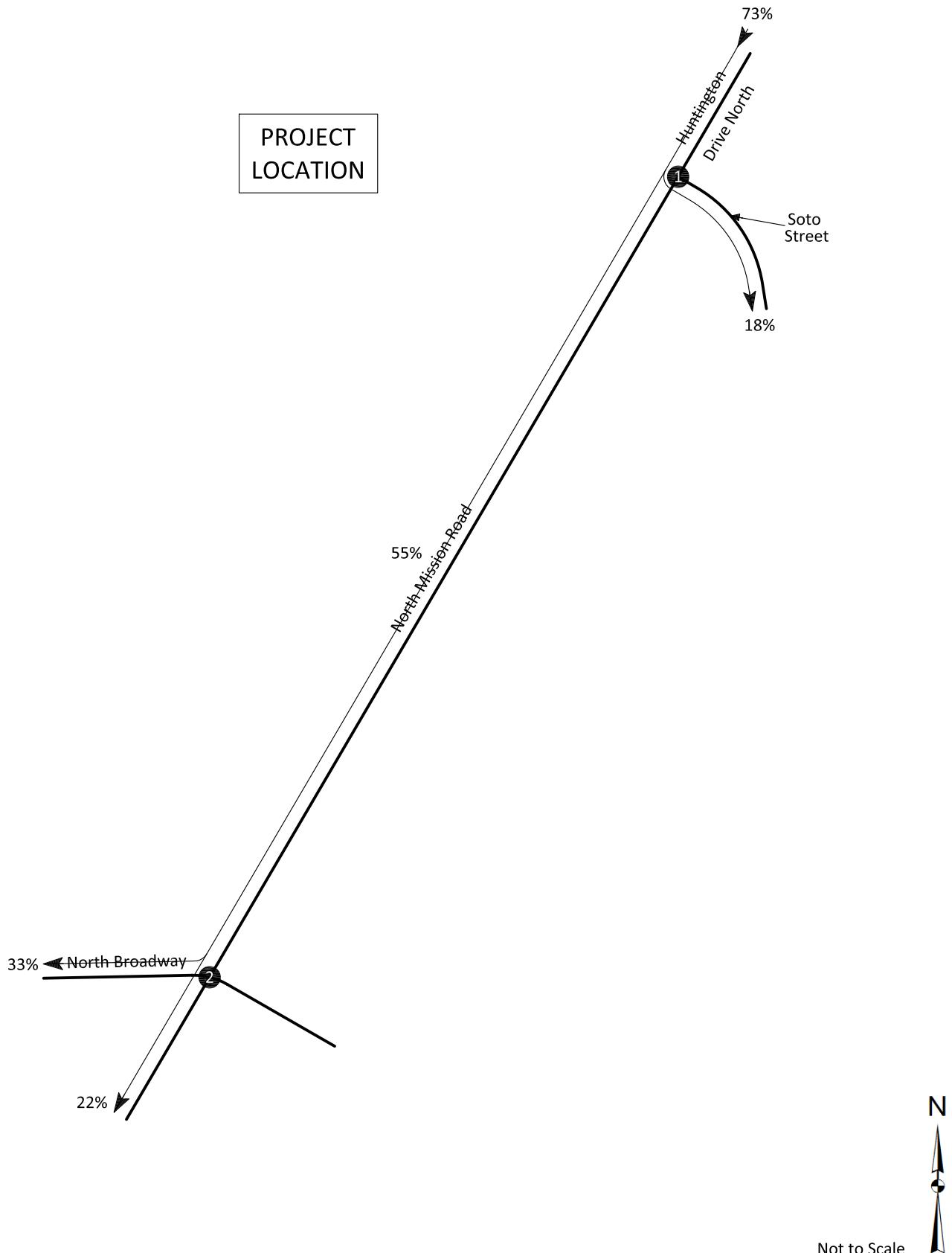


FIGURE 6
OTHER DEVELOPMENT #45043 TRAFFIC DISTRIBUTION



APPENDIX A

City of Los Angeles Department of Transportation Memorandum of Understanding

Transportation Impact Study Memorandum of Understanding (MOU)

This MOU acknowledges that the Transportation Impact Study for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Impact Study Guidelines:

I. PROJECT INFORMATION

Project Name: Onyx 32

Project Address: 2730 North Onyx Drive

Project Description: 32 single family residential dwelling units

LADOT Project Case Number: _____ Project Site Plan attached? *(Required)* Yes No

II. TRIP GENERATION

Geographic Distribution: N 30 % S 22 % E 18 % W 30 %

Illustration of Project trip distribution percentages at Study intersections attached? *(Required)* Yes No

Trip Generation Adjustments *(Exact amount of credit subject to approval by LADOT)*

	Yes	No
Transit Usage	<input type="checkbox"/>	X
Transportation Demand Management	<input type="checkbox"/>	X
Existing Active Land Use	<input type="checkbox"/>	X
Previous Land Use	<input type="checkbox"/>	X
Internal Trip	<input type="checkbox"/>	X
Pass-By Trip	<input type="checkbox"/>	X

Trip Generation Rate(s): ITE 9th Edition / Other _____

Trip generation table including a description of the proposed land uses, ITE rates, estimated morning and afternoon peak hour volumes (ins/outs/totals), proposed trip credits, etc. attached? *(Required)* Yes No

	<u>IN</u>	<u>OUT</u>	<u>TOTAL</u>
AM Trips	<u>6</u>	<u>18</u>	<u>24</u>
PM Trips	<u>12</u>	<u>20</u>	<u>32</u>

III. STUDY AREA AND ASSUMPTIONS

Project Buildout Year: 2021 Ambient or CMP Growth Rate: 1 % Per Yr.

Related Projects List, researched by the consultant and approved by LADOT, attached? *(Required)* Yes No

Subject to Freeway Impact Analysis, in addition to CMP Analysis? *(Freeway analysis screening filter must be included in this MOU; selecting "yes" implies that at least one criteria was satisfied)* Yes No

Map of Study Intersections attached? *(May be subject to LADOT revision after initial impact analysis)* Yes No

Is this Project located on a street within the High Injury Network? Yes No

IV. CONTACT INFORMATIONCONSULTANT

Name: TEP Irvine (Robert Kunzman)
Address: P.O. Box 18355, Irvine, CA 92623
Phone Number: 714 321 4863
E-Mail: robert@kunzman.us

DEVELOPER

Yallah Yallah, LLC (Henry Suarez)
1030 Foothill Boulevard, La Canada, CA 91011
818 949 7613
suaresprop@earthlink.net

Approved by:		<u>3-24-2018</u>	<u>x</u>	<u>4 / 1 2 / 1 8</u>
	Consultant's Representative	Date	LADOT Representative	Date

Table 1

Project Trip Generation

Land Use	Quantity	Unit	Peak Hour						Daily	
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Trips Generated										
Single-Family Detached Housing	32	Dwellings	6	18	24	12	20	32	302	

Figure 1
Project Location Map

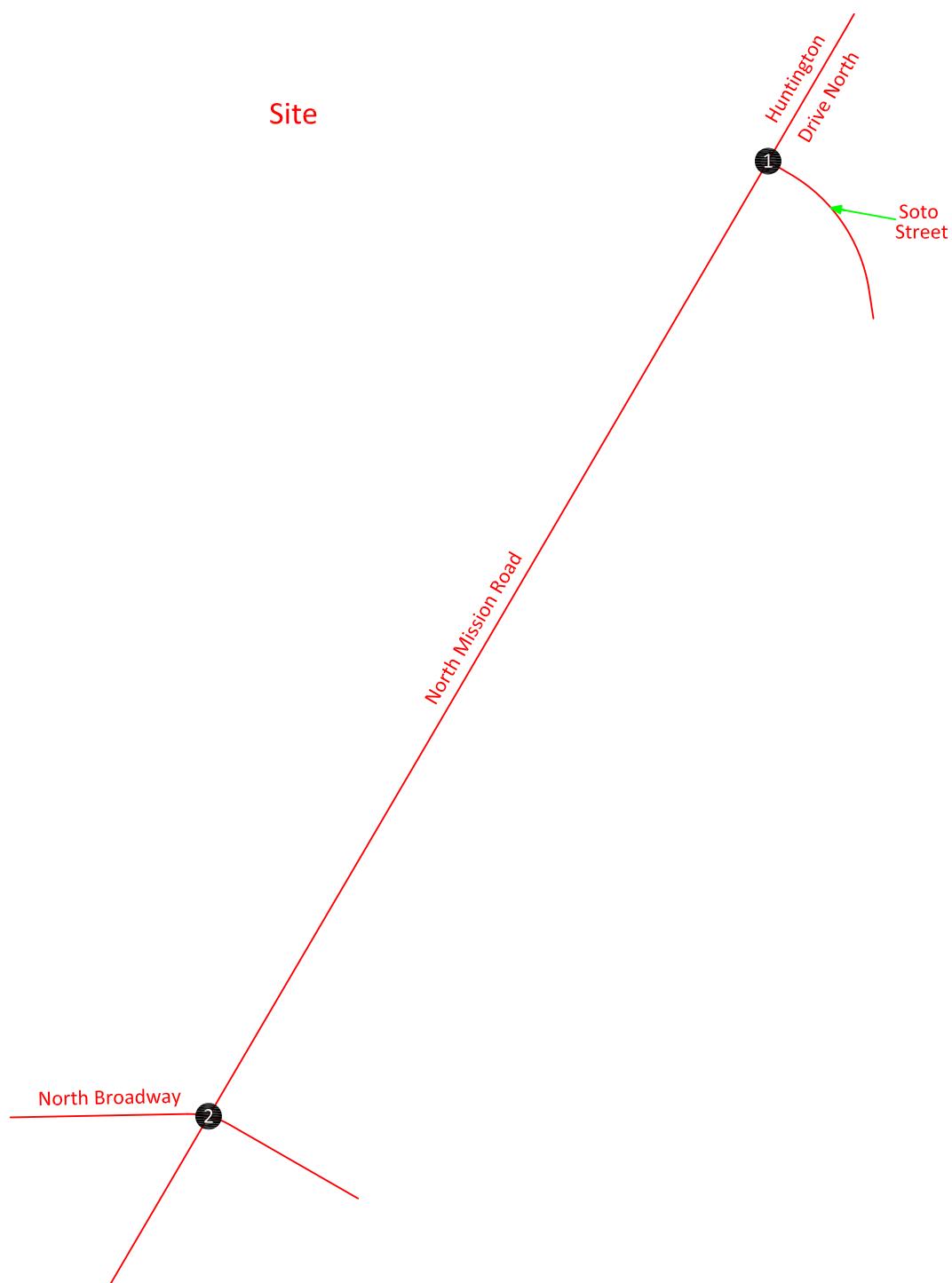


Figure 2
Project Site Plan



Figure 3
Project Outbound Trip Distribution

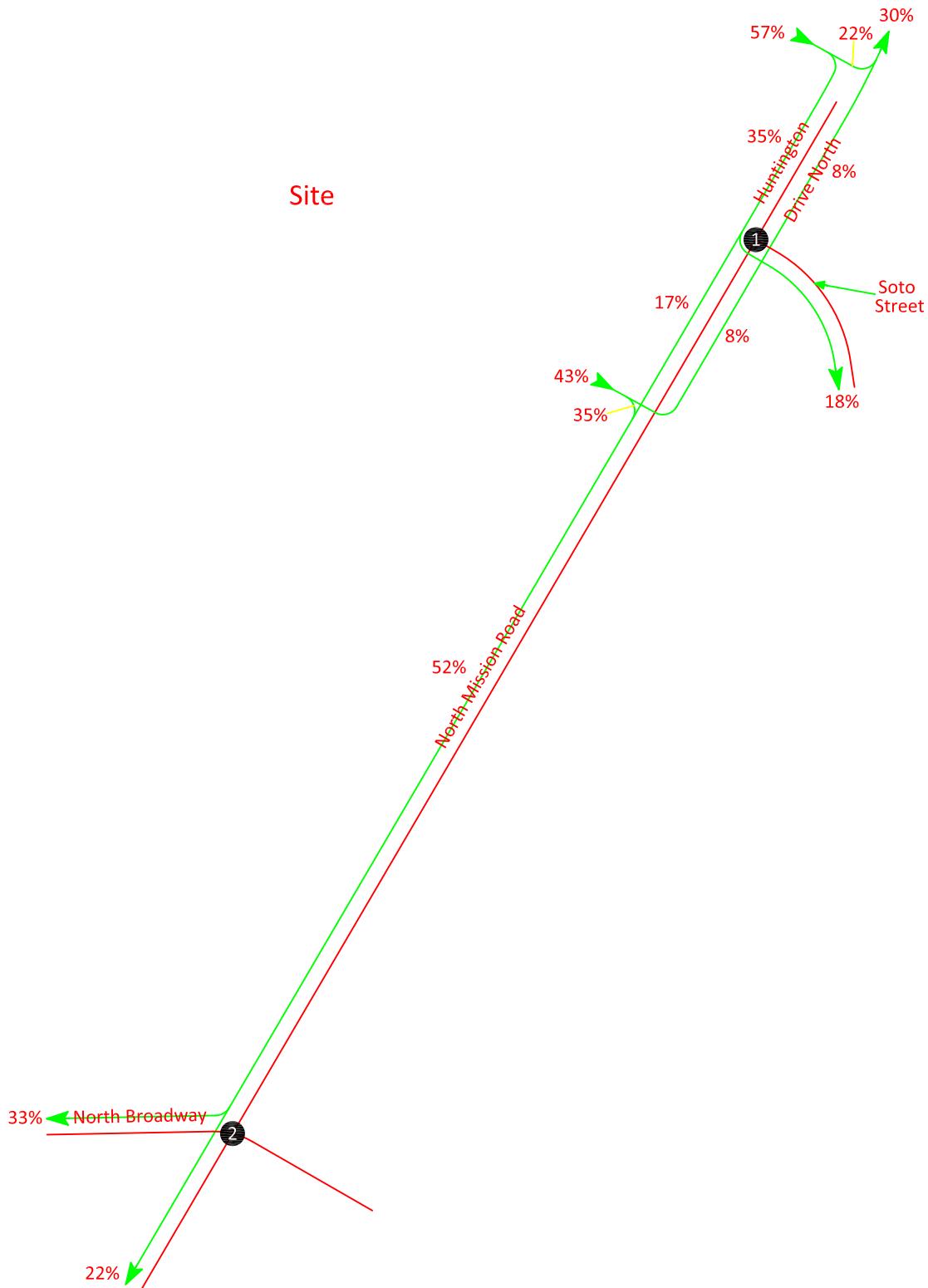
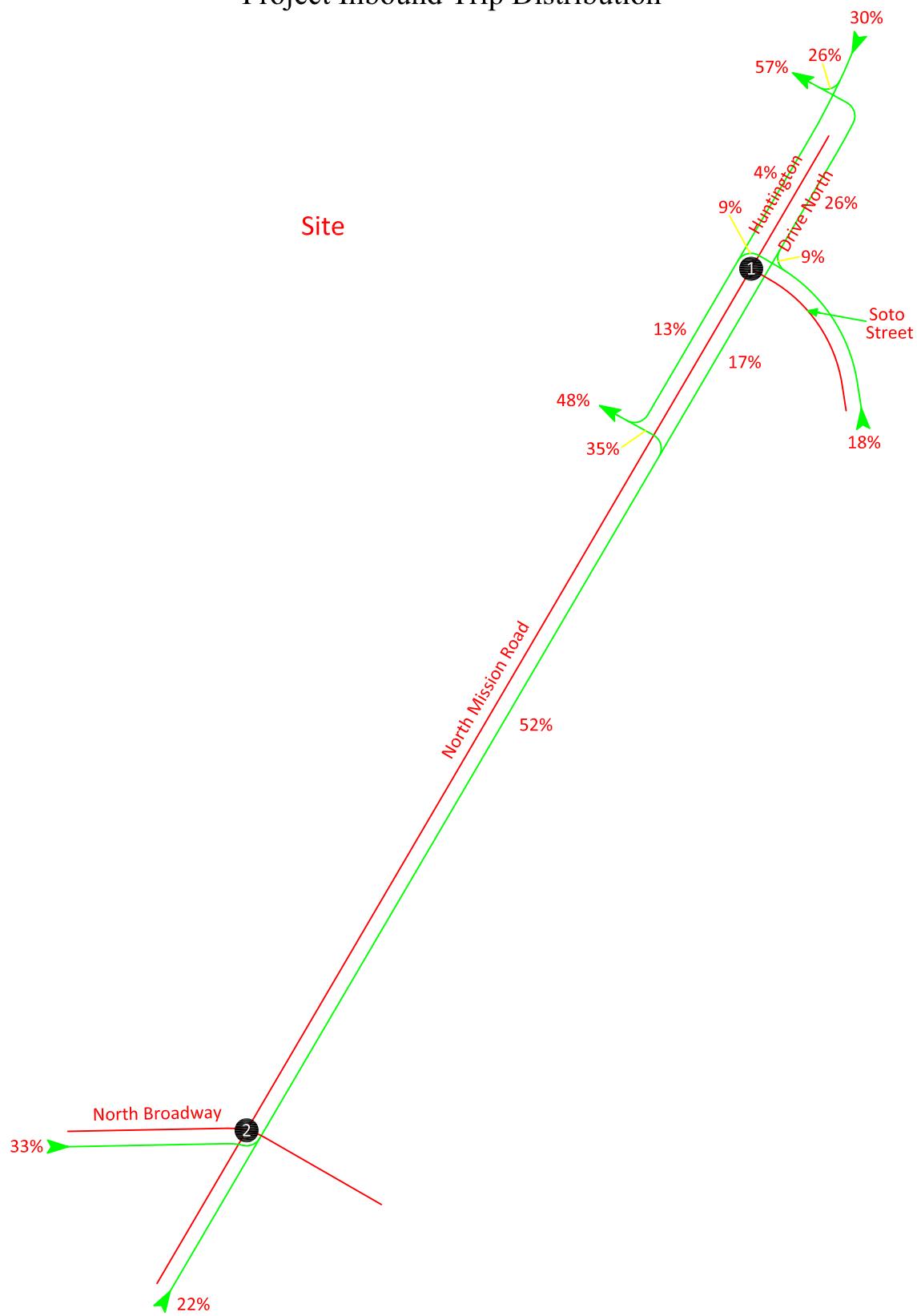


Figure 4
Project Inbound Trip Distribution



APPENDIX B

Traffic Count Data



**City Of Los Angeles
Department Of Transportation
MANUAL TRAFFIC COUNT SUMMARY**

STREET:

North/South Huntington Drive N/Mission Road

East/West Supreme Court/Soto Street

Day: Thursday **Date:** March 15, 2018 **Weather:** CLEAR

Hours: 7-10AM 3-6PM **Staff:** CUI

School Day: YES **District:** Central **I/S CODE** 20511

	<u>N/B</u>	<u>S/B</u>	<u>E/B</u>	<u>W/B</u>
DUAL-WHEELED BIKES	105	77	0	54
BUSES	15	17	5	4
	68	93	0	57

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	188	8.00	802	7.45	7	8.00	252	7.45
PM PK 15 MIN	415	4.30	275	4.30	4	3.45	334	5.30
AM PK HOUR	663	7.30	3102	7.15	17	7.15	799	7.30
PM PK HOUR	1531	5.00	964	3.45	14	5.00	1298	5.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	3	401	105	509
8-9	1	439	78	518
9-10	1	351	64	416
3-4	9	921	145	1075
4-5	10	1169	160	1339
5-6	3	1352	176	1531
TOTAL	27	4633	728	5388

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	967	2061	5	3033
8-9	880	1851	2	2733
9-10	501	1102	1	1604
3-4	369	555	7	931
4-5	356	600	8	964
5-6	404	519	8	931
TOTAL	3477	6688	31	10196

TOTAL

XING S/L

XING N/L

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	5	8	1	14
8-9	7	2	4	13
9-10	3	4	3	10
3-4	5	2	4	11
4-5	4	2	4	10
5-6	6	4	4	14
TOTAL	30	22	20	72

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	192	0	510	702
8-9	172	4	438	614
9-10	101	1	315	417
3-4	105	1	814	920
4-5	72	5	1023	1100
5-6	52	2	1244	1298
TOTAL	694	13	4344	5051

TOTAL

XING W/L

XING E/L

(Rev Oct 06)

Counts Unlimited
 PO Box 1178
 Corona, CA 92878
 (951) 268-6268

City of Los Angeles
 N/S: Huntington Drive/Mission Road
 E/W: Supreme Court/Soto Street
 Weather: Clear

File Name : 01_LAC_HMSS AM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Passenger Vehicles - Dual Wheeled - Buses

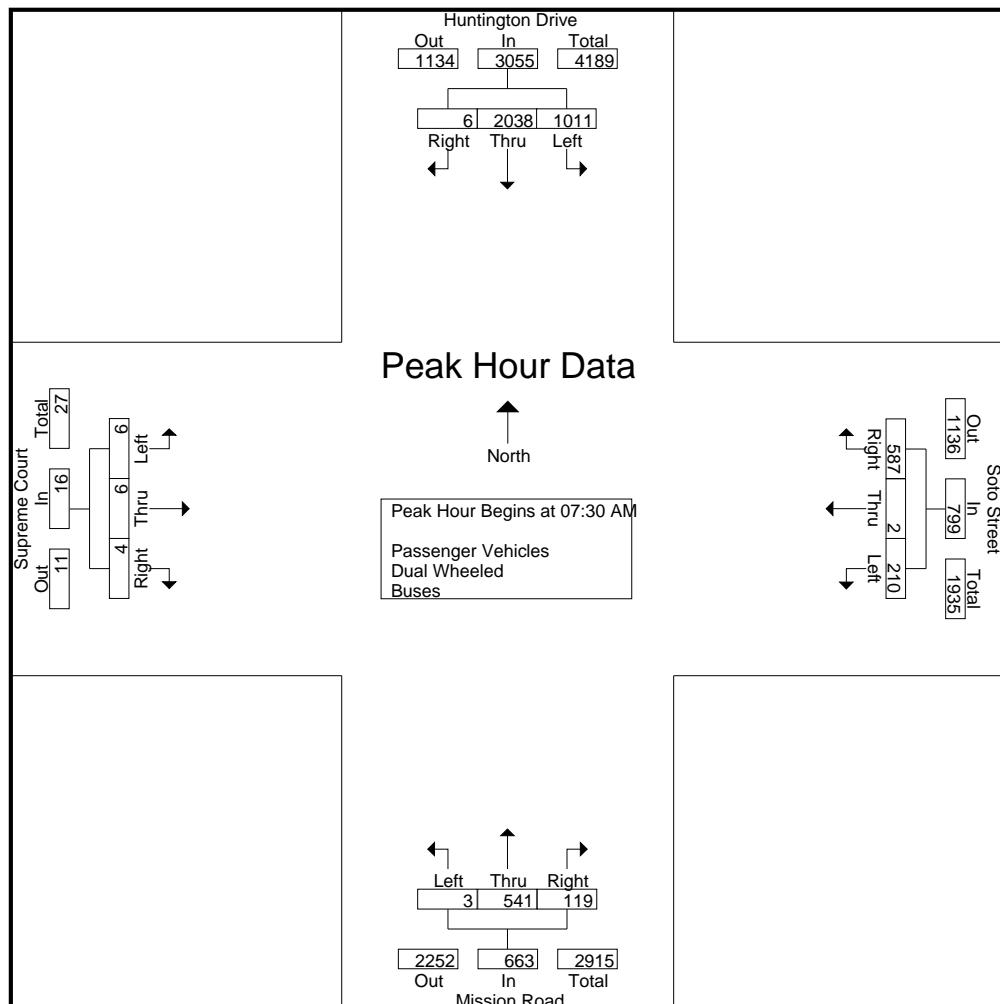
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	178	488	0	666	29	0	74	103	0	53	14	67	2	2	0	4	840
07:15 AM	225	551	1	777	46	0	105	151	0	87	29	116	2	1	1	4	1048
07:30 AM	264	522	2	788	46	0	150	196	1	122	31	154	0	3	0	3	1141
07:45 AM	300	500	2	802	71	0	181	252	2	139	31	172	1	2	0	3	1229
Total	967	2061	5	3033	192	0	510	702	3	401	105	509	5	8	1	14	4258
08:00 AM	202	531	2	735	33	1	149	183	0	155	33	188	3	0	4	7	1113
08:15 AM	245	485	0	730	60	1	107	168	0	125	24	149	2	1	0	3	1050
08:30 AM	236	451	0	687	47	0	93	140	0	83	6	89	1	1	0	2	918
08:45 AM	197	384	0	581	32	2	89	123	1	76	15	92	1	0	0	1	797
Total	880	1851	2	2733	172	4	438	614	1	439	78	518	7	2	4	13	3878
09:00 AM	163	353	0	516	39	1	76	116	0	71	16	87	2	2	2	6	725
09:15 AM	136	277	0	413	22	0	72	94	1	88	17	106	0	0	0	0	613
09:30 AM	110	253	1	364	22	0	83	105	0	92	14	106	1	2	1	4	579
09:45 AM	92	219	0	311	18	0	84	102	0	100	17	117	0	0	0	0	530
Total	501	1102	1	1604	101	1	315	417	1	351	64	416	3	4	3	10	2447
Grand Total	2348	5014	8	7370	465	5	1263	1733	5	1191	247	1443	15	14	8	37	10583
Apprch %	31.9	68	0.1		26.8	0.3	72.9		0.3	82.5	17.1		40.5	37.8	21.6		
Total %	22.2	47.4	0.1	69.6	4.4	0	11.9	16.4	0	11.3	2.3	13.6	0.1	0.1	0.1	0.3	
Passenger Vehicles	2326	4952	8	7286	453	5	1215	1673	5	1114	231	1350	15	14	8	37	10346
% Passenger Vehicles	99.1	98.8	100	98.9	97.4	100	96.2	96.5	100	93.5	93.5	93.6	100	100	100	100	97.8
Dual Wheeled	9	28	0	37	6	0	21	27	0	50	12	62	0	0	0	0	126
% Dual Wheeled	0.4	0.6	0	0.5	1.3	0	1.7	1.6	0	4.2	4.9	4.3	0	0	0	0	1.2
Buses	13	34	0	47	6	0	27	33	0	27	4	31	0	0	0	0	111
% Buses	0.6	0.7	0	0.6	1.3	0	2.1	1.9	0	2.3	1.6	2.1	0	0	0	0	1

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	264	522	2	788	46	0	150	196	1	122	31	154	0	3	0	3	1141
07:45 AM	300	500	2	802	71	0	181	252	2	139	31	172	1	2	0	3	1229
08:00 AM	202	531	2	735	33	1	149	183	0	155	33	188	3	0	4	7	1113
08:15 AM	245	485	0	730	60	1	107	168	0	125	24	149	2	1	0	3	1050
Total Volume	1011	2038	6	3055	210	2	587	799	3	541	119	663	6	6	4	16	4533
% App. Total	33.1	66.7	0.2		26.3	0.3	73.5		0.5	81.6	17.9		37.5	37.5	25		
PHF	.843	.960	.750	.952	.739	.500	.811	.793	.375	.873	.902	.882	.500	.500	.250	.571	.922

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City of Los Angeles
 N/S: Huntington Drive/Mission Road
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File Name : 01_LAC_HMSS AM
 Site Code : 16616351
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Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:15 AM				07:30 AM				07:30 AM				07:15 AM			
+0 mins.	225	551	1	777	46	0	150	196	1	122	31	154	2	1	1	4
+15 mins.	264	522	2	788	71	0	181	252	2	139	31	172	0	3	0	3
+30 mins.	300	500	2	802	33	1	149	183	0	155	33	188	1	2	0	3
+45 mins.	202	531	2	735	60	1	107	168	0	125	24	149	3	0	4	7
Total Volume	991	2104	7	3102	210	2	587	799	3	541	119	663	6	6	5	17
% App. Total	31.9	67.8	0.2		26.3	0.3	73.5		0.5	81.6	17.9		35.3	35.3	29.4	
PHF	.826	.955	.875	.967	.739	.500	.811	.793	.375	.873	.902	.882	.500	.500	.313	.607

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File Name : 01_LAC_HMSS AM
 Site Code : 16616351
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Groups Printed- Passenger Vehicles

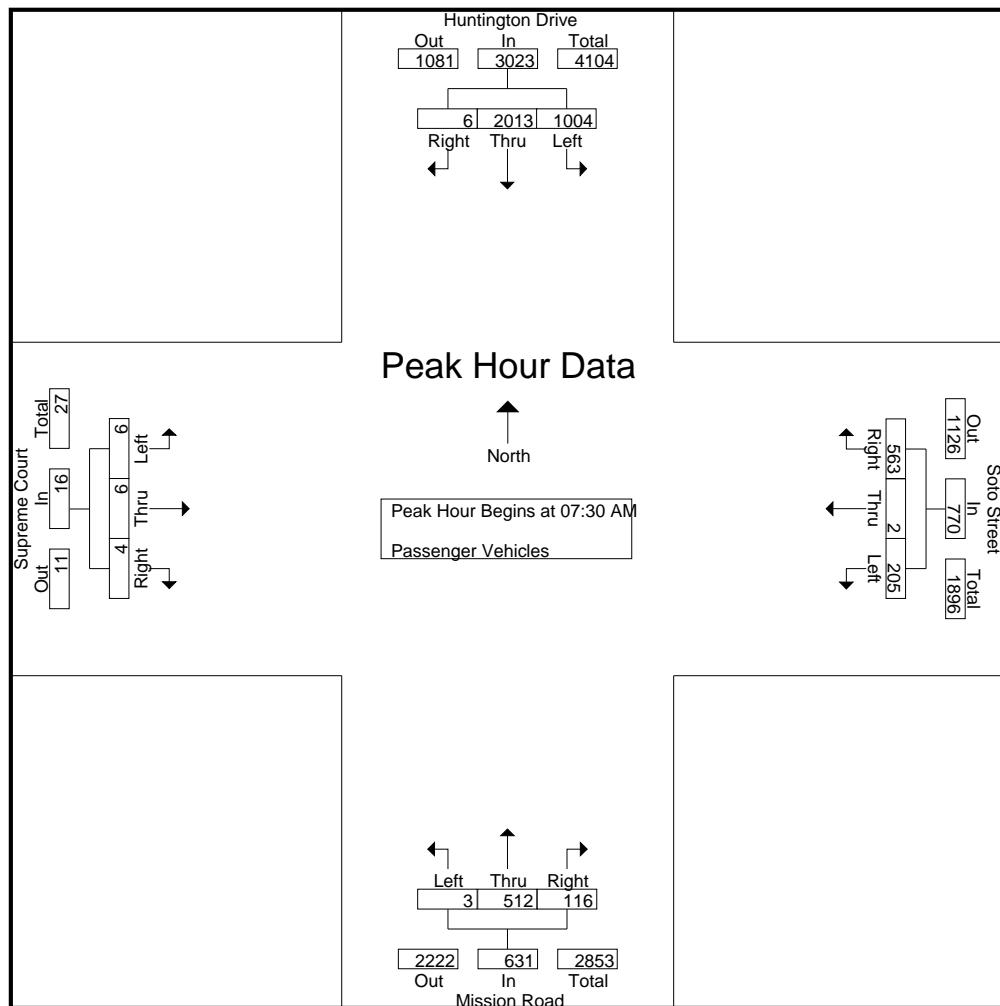
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	174	481	0	655	29	0	70	99	0	49	14	63	2	2	0	4	821
07:15 AM	223	546	1	770	45	0	103	148	0	80	27	107	2	1	1	4	1029
07:30 AM	261	515	2	778	44	0	139	183	1	113	31	145	0	3	0	3	1109
07:45 AM	299	492	2	793	69	0	177	246	2	134	30	166	1	2	0	3	1208
Total	957	2034	5	2996	187	0	489	676	3	376	102	481	5	8	1	14	4167
08:00 AM	200	527	2	729	32	1	146	179	0	146	32	178	3	0	4	7	1093
08:15 AM	244	479	0	723	60	1	101	162	0	119	23	142	2	1	0	3	1030
08:30 AM	232	450	0	682	47	0	87	134	0	80	4	84	1	1	0	2	902
08:45 AM	195	378	0	573	32	2	86	120	1	69	14	84	1	0	0	1	778
Total	871	1834	2	2707	171	4	420	595	1	414	73	488	7	2	4	13	3803
09:00 AM	162	348	0	510	38	1	74	113	0	69	15	84	2	2	2	6	713
09:15 AM	136	273	0	409	20	0	70	90	1	80	15	96	0	0	0	0	595
09:30 AM	109	247	1	357	19	0	82	101	0	81	12	93	1	2	1	4	555
09:45 AM	91	216	0	307	18	0	80	98	0	94	14	108	0	0	0	0	513
Total	498	1084	1	1583	95	1	306	402	1	324	56	381	3	4	3	10	2376
Grand Total	2326	4952	8	7286	453	5	1215	1673	5	1114	231	1350	15	14	8	37	10346
Apprch %	31.9	68	0.1		27.1	0.3	72.6		0.4	82.5	17.1		40.5	37.8	21.6		
Total %	22.5	47.9	0.1	70.4	4.4	0	11.7	16.2	0	10.8	2.2	13	0.1	0.1	0.1	0.4	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	261	515	2	778	44	0	139	183	1	113	31	145	0	3	0	3	1109
07:45 AM	299	492	2	793	69	0	177	246	2	134	30	166	1	2	0	3	1208
08:00 AM	200	527	2	729	32	1	146	179	0	146	32	178	3	0	4	7	1093
08:15 AM	244	479	0	723	60	1	101	162	0	119	23	142	2	1	0	3	1030
Total Volume	1004	2013	6	3023	205	2	563	770	3	512	116	631	6	6	4	16	4440
% App. Total	33.2	66.6	0.2		26.6	0.3	73.1		0.5	81.1	18.4		37.5	37.5	25		
PHF	.839	.955	.750	.953	.743	.500	.795	.783	.375	.877	.906	.886	.500	.500	.250	.571	.919

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File Name : 01_LAC_HMSS AM
 Site Code : 16616351
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Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	261	515	2	778	44	0	139	183	1	113	31	145	0	3	0	3
+15 mins.	299	492	2	793	69	0	177	246	2	134	30	166	1	2	0	3
+30 mins.	200	527	2	729	32	1	146	179	0	146	32	178	3	0	4	7
+45 mins.	244	479	0	723	60	1	101	162	0	119	23	142	2	1	0	3
Total Volume	1004	2013	6	3023	205	2	563	770	3	512	116	631	6	6	4	16
% App. Total	33.2	66.6	0.2		26.6	0.3	73.1		0.5	81.1	18.4		37.5	37.5	25	
PHF	.839	.955	.750	.953	.743	.500	.795	.783	.375	.877	.906	.886	.500	.500	.250	.571

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File Name : 01_LAC_HMSS AM
 Site Code : 16616351
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 Page No : 1

Groups Printed- Dual Wheeled

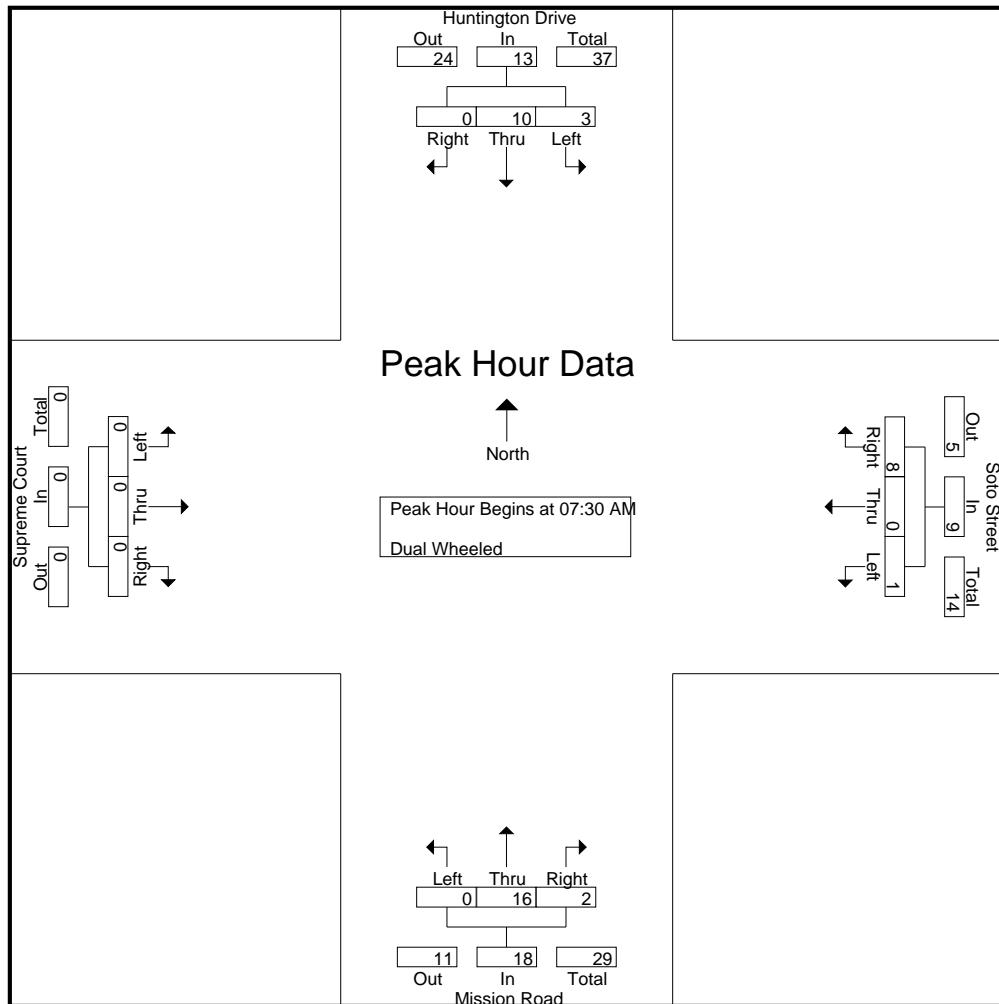
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	1	3	0	4	0	0	1	1	0	2	0	2	0	0	0	0	7
07:15 AM	1	1	0	2	0	0	1	1	0	5	0	5	0	0	0	0	8
07:30 AM	1	2	0	3	0	0	1	1	0	7	0	7	0	0	0	0	11
07:45 AM	1	6	0	7	0	0	1	1	0	4	0	4	0	0	0	0	12
Total	4	12	0	16	0	0	4	4	0	18	0	18	0	0	0	0	38
08:00 AM	0	0	0	0	1	0	2	3	0	1	1	2	0	0	0	0	5
08:15 AM	1	2	0	3	0	0	4	4	0	4	1	5	0	0	0	0	12
08:30 AM	2	1	0	3	0	0	4	4	0	2	2	4	0	0	0	0	11
08:45 AM	1	3	0	4	0	0	1	1	0	4	1	5	0	0	0	0	10
Total	4	6	0	10	1	0	11	12	0	11	5	16	0	0	0	0	38
09:00 AM	0	1	0	1	1	0	1	2	0	2	1	3	0	0	0	0	6
09:15 AM	0	3	0	3	2	0	1	3	0	6	1	7	0	0	0	0	13
09:30 AM	0	4	0	4	2	0	0	2	0	10	2	12	0	0	0	0	18
09:45 AM	1	2	0	3	0	0	4	4	0	3	3	6	0	0	0	0	13
Total	1	10	0	11	5	0	6	11	0	21	7	28	0	0	0	0	50
Grand Total	9	28	0	37	6	0	21	27	0	50	12	62	0	0	0	0	126
Apprch %	24.3	75.7	0		22.2	0	77.8		0	80.6	19.4		0	0	0	0	
Total %	7.1	22.2	0	29.4	4.8	0	16.7	21.4	0	39.7	9.5	49.2	0	0	0	0	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	1	2	0	3	0	0	1	1	0	7	0	7	0	0	0	0	11
07:45 AM	1	6	0	7	0	0	1	1	0	4	0	4	0	0	0	0	12
08:00 AM	0	0	0	0	1	0	2	3	0	1	1	2	0	0	0	0	5
08:15 AM	1	2	0	3	0	0	4	4	0	4	1	5	0	0	0	0	12
Total Volume	3	10	0	13	1	0	8	9	0	16	2	18	0	0	0	0	40
% App. Total	23.1	76.9	0		11.1	0	88.9		0	88.9	11.1		0	0	0	0	
PHF	.750	.417	.000	.464	.250	.000	.500	.563	.000	.571	.500	.643	.000	.000	.000	.000	.833

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File Name : 01_LAC_HMSS AM
Site Code : 16616351
Start Date : 3/15/2018
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Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

Each Hour for Each Approach Begins at:														
	07:30 AM			07:30 AM				07:30 AM			07:30 AM			
+0 mins.	1	2	0	3	0	0	1	1	0	7	0	7	0	0
+15 mins.	1	6	0	7	0	0	1	1	0	4	0	4	0	0
+30 mins.	0	0	0	0	1	0	2	3	0	1	1	2	0	0
+45 mins.	1	2	0	3	0	0	4	4	0	4	1	5	0	0
Total Volume	3	10	0	13	1	0	8	9	0	16	2	18	0	0
% App. Total	23.1	76.9	0		11.1	0	88.9		0	88.9	11.1		0	0
PHF	.750	.417	.000	.464	.250	.000	.500	.563	.000	.571	.500	.643	.000	.000

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Groups Printed- Buses

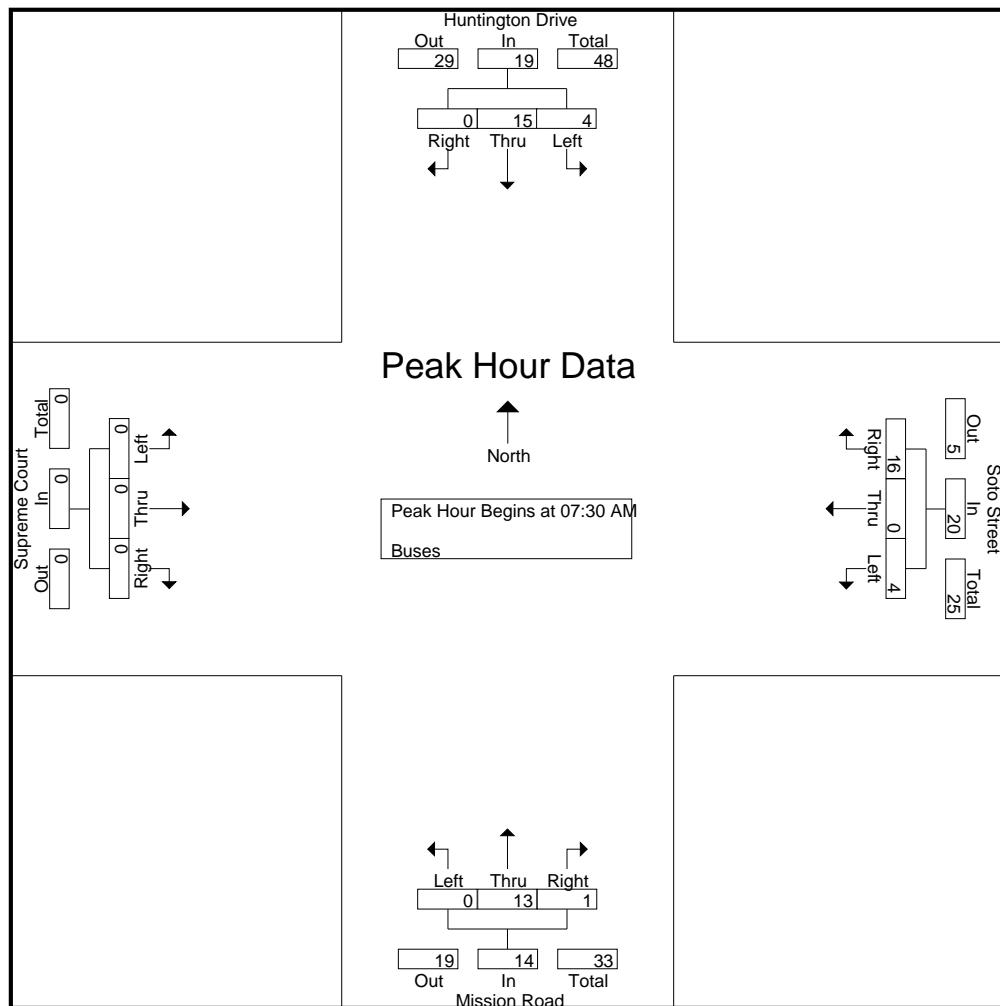
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	3	4	0	7	0	0	3	3	0	2	0	2	0	0	0	0	12
07:15 AM	1	4	0	5	1	0	1	2	0	2	2	4	0	0	0	0	11
07:30 AM	2	5	0	7	2	0	10	12	0	2	0	2	0	0	0	0	21
07:45 AM	0	2	0	2	2	0	3	5	0	1	1	2	0	0	0	0	9
Total	6	15	0	21	5	0	17	22	0	7	3	10	0	0	0	0	53
08:00 AM	2	4	0	6	0	0	1	1	0	8	0	8	0	0	0	0	15
08:15 AM	0	4	0	4	0	0	2	2	0	2	0	2	0	0	0	0	8
08:30 AM	2	0	0	2	0	0	2	2	0	1	0	1	0	0	0	0	5
08:45 AM	1	3	0	4	0	0	2	2	0	3	0	3	0	0	0	0	9
Total	5	11	0	16	0	0	7	7	0	14	0	14	0	0	0	0	37
09:00 AM	1	4	0	5	0	0	1	1	0	0	0	0	0	0	0	0	6
09:15 AM	0	1	0	1	0	0	1	1	0	2	1	3	0	0	0	0	5
09:30 AM	1	2	0	3	1	0	1	2	0	1	0	1	0	0	0	0	6
09:45 AM	0	1	0	1	0	0	0	0	0	3	0	3	0	0	0	0	4
Total	2	8	0	10	1	0	3	4	0	6	1	7	0	0	0	0	21
Grand Total	13	34	0	47	6	0	27	33	0	27	4	31	0	0	0	0	111
Apprch %	27.7	72.3	0		18.2	0	81.8		0	87.1	12.9		0	0	0	0	
Total %	11.7	30.6	0	42.3	5.4	0	24.3	29.7	0	24.3	3.6	27.9	0	0	0	0	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	2	5	0	7	2	0	10	12	0	2	0	2	0	0	0	0	21
07:45 AM	0	2	0	2	2	0	3	5	0	1	1	2	0	0	0	0	9
08:00 AM	2	4	0	6	0	0	1	1	0	8	0	8	0	0	0	0	15
08:15 AM	0	4	0	4	0	0	2	2	0	2	0	2	0	0	0	0	8
Total Volume	4	15	0	19	4	0	16	20	0	13	1	14	0	0	0	0	53
% App. Total	21.1	78.9	0		20	0	80		0	92.9	7.1		0	0	0	0	
PHF	.500	.750	.000	.679	.500	.000	.400	.417	.000	.406	.250	.438	.000	.000	.000	.000	.631

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File Name : 01_LAC_HMSS AM
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Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM			07:30 AM			07:30 AM			07:30 AM		
+0 mins.	2	5	0	7	2	0	10	12	0	2	0	2
+15 mins.	0	2	0	2	2	0	3	5	0	1	1	2
+30 mins.	2	4	0	6	0	0	1	1	0	8	0	8
+45 mins.	0	4	0	4	0	0	2	2	0	2	0	0
Total Volume	4	15	0	19	4	0	16	20	0	13	1	14
% App. Total	21.1	78.9	0		20	0	80		0	92.9	7.1	0
PHF	.500	.750	.000	.679	.500	.000	.400	.417	.000	.406	.250	.438
											.000	.000

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Groups Printed- Passenger Vehicles - Dual Wheeled - Buses

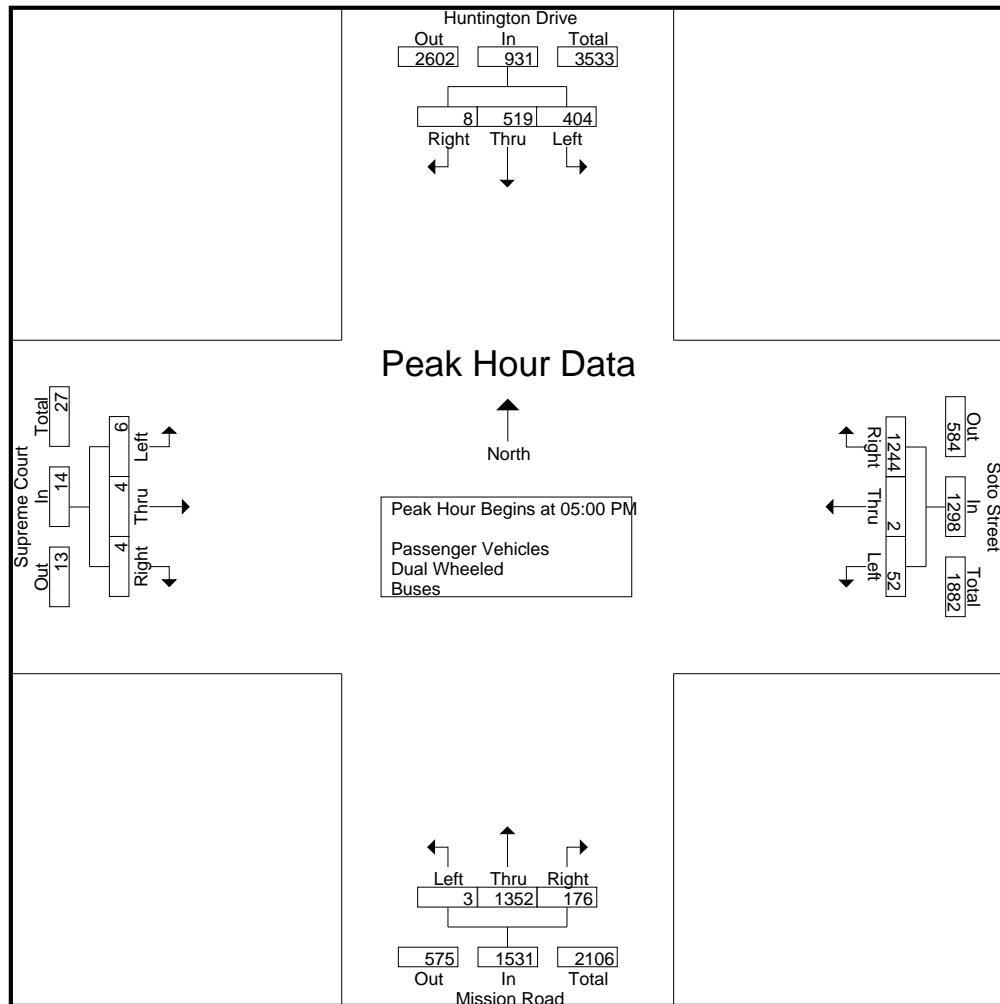
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	86	159	3	248	29	0	193	222	2	217	34	253	0	1	2	3	726
03:15 PM	84	130	2	216	22	0	189	211	3	201	43	247	1	0	0	1	675
03:30 PM	124	145	2	271	23	0	206	229	1	270	38	309	2	0	1	3	812
03:45 PM	75	121	0	196	31	1	226	258	3	233	30	266	2	1	1	4	724
Total	369	555	7	931	105	1	814	920	9	921	145	1075	5	2	4	11	2937
04:00 PM	81	153	2	236	15	0	213	228	0	268	34	302	1	1	0	2	768
04:15 PM	108	148	1	257	18	1	276	295	2	258	33	293	1	1	1	3	848
04:30 PM	94	181	0	275	17	2	254	273	6	358	51	415	2	0	2	4	967
04:45 PM	73	118	5	196	22	2	280	304	2	285	42	329	0	0	1	1	830
Total	356	600	8	964	72	5	1023	1100	10	1169	160	1339	4	2	4	10	3413
05:00 PM	85	134	2	221	12	1	297	310	1	319	44	364	2	1	1	4	899
05:15 PM	108	117	1	226	10	0	314	324	1	372	35	408	0	2	0	2	960
05:30 PM	104	133	2	239	12	0	322	334	1	328	52	381	2	0	2	4	958
05:45 PM	107	135	3	245	18	1	311	330	0	333	45	378	2	1	1	4	957
Total	404	519	8	931	52	2	1244	1298	3	1352	176	1531	6	4	4	14	3774
Grand Total	1129	1674	23	2826	229	8	3081	3318	22	3442	481	3945	15	8	12	35	10124
Apprch %	40	59.2	0.8		6.9	0.2	92.9		0.6	87.2	12.2		42.9	22.9	34.3		
Total %	11.2	16.5	0.2	27.9	2.3	0.1	30.4	32.8	0.2	34	4.8	39	0.1	0.1	0.1	0.3	
Passenger Vehicles	1096	1621	23	2740	216	8	3043	3267	21	3382	462	3865	15	8	12	35	9907
% Passenger Vehicles	97.1	96.8	100	97	94.3	100	98.8	98.5	95.5	98.3	96	98	100	100	100	100	97.9
Dual Wheeled	17	23	0	40	9	0	18	27	1	28	14	43	0	0	0	0	110
% Dual Wheeled	1.5	1.4	0	1.4	3.9	0	0.6	0.8	4.5	0.8	2.9	1.1	0	0	0	0	1.1
Buses	16	30	0	46	4	0	20	24	0	32	5	37	0	0	0	0	107
% Buses	1.4	1.8	0	1.6	1.7	0	0.6	0.7	0	0.9	1	0.9	0	0	0	0	1.1

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	85	134	2	221	12	1	297	310	1	319	44	364	2	1	1	4	899
05:15 PM	108	117	1	226	10	0	314	324	1	372	35	408	0	2	0	2	960
05:30 PM	104	133	2	239	12	0	322	334	1	328	52	381	2	0	2	4	958
05:45 PM	107	135	3	245	18	1	311	330	0	333	45	378	2	1	1	4	957
Total Volume	404	519	8	931	52	2	1244	1298	3	1352	176	1531	6	4	4	14	3774
% App. Total	43.4	55.7	0.9		4	0.2	95.8		0.2	88.3	11.5		42.9	28.6	28.6		
PHF	.935	.961	.667	.950	.722	.500	.966	.972	.750	.909	.846	.938	.750	.500	.500	.875	.983

Counts Unlimited
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City of Los Angeles
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File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:45 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	75	121	0	196	12	1	297	310	1	319	44	364	2	1	1	4
+15 mins.	81	153	2	236	10	0	314	324	1	372	35	408	0	2	0	2
+30 mins.	108	148	1	257	12	0	322	334	1	328	52	381	2	0	2	4
+45 mins.	94	181	0	275	18	1	311	330	0	333	45	378	2	1	1	4
Total Volume	358	603	3	964	52	2	1244	1298	3	1352	176	1531	6	4	4	14
% App. Total	37.1	62.6	0.3		4	0.2	95.8		0.2	88.3	11.5		42.9	28.6	28.6	
PHF	.829	.833	.375	.876	.722	.500	.966	.972	.750	.909	.846	.938	.750	.500	.500	.875

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 Weather: Clear

File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Passenger Vehicles

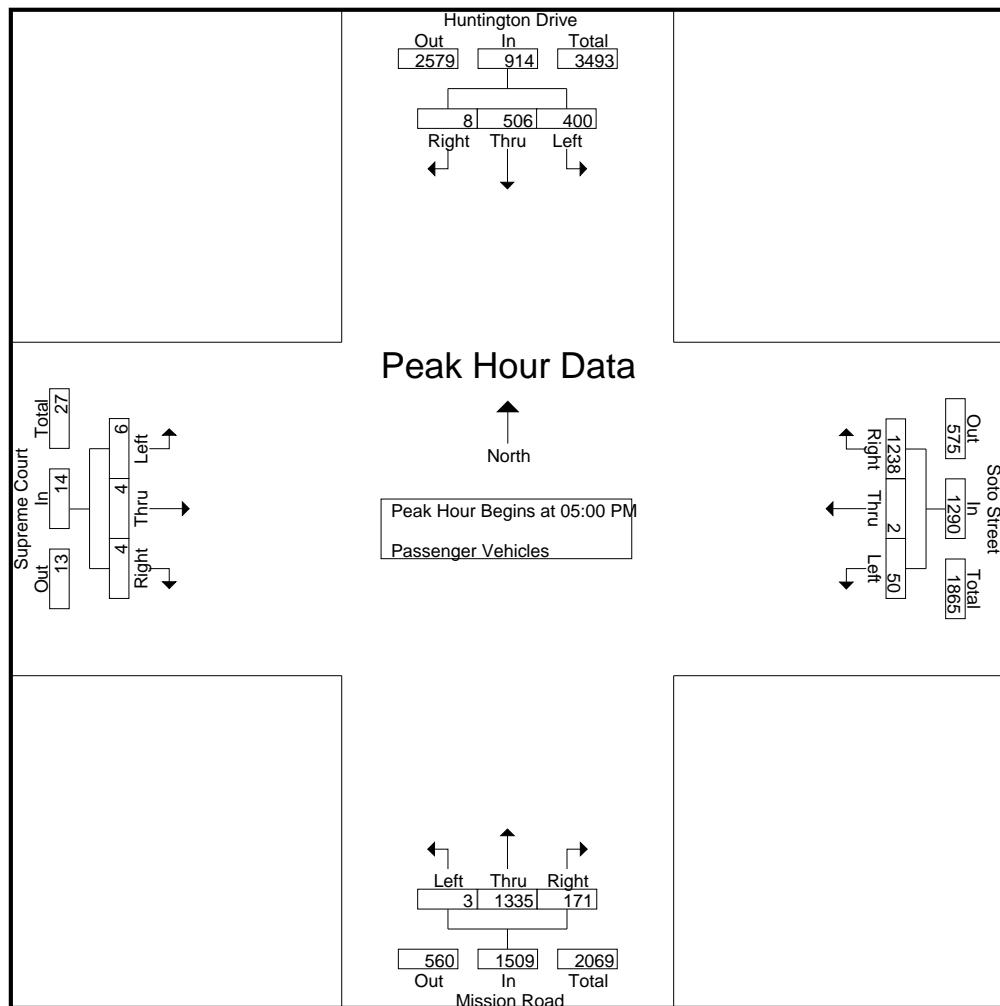
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	85	154	3	242	27	0	186	213	2	212	33	247	0	1	2	3	705
03:15 PM	80	122	2	204	20	0	186	206	3	196	40	239	1	0	0	1	650
03:30 PM	118	141	2	261	22	0	201	223	1	262	38	301	2	0	1	3	788
03:45 PM	70	117	0	187	30	1	223	254	3	224	30	257	2	1	1	4	702
Total	353	534	7	894	99	1	796	896	9	894	141	1044	5	2	4	11	2845
04:00 PM	76	145	2	223	15	0	210	225	0	263	31	294	1	1	0	2	744
04:15 PM	103	144	1	248	17	1	272	290	2	256	32	290	1	1	1	3	831
04:30 PM	92	177	0	269	14	2	251	267	5	352	49	406	2	0	2	4	946
04:45 PM	72	115	5	192	21	2	276	299	2	282	38	322	0	0	1	1	814
Total	343	581	8	932	67	5	1009	1081	9	1153	150	1312	4	2	4	10	3335
05:00 PM	84	131	2	217	11	1	296	308	1	314	43	358	2	1	1	4	887
05:15 PM	106	112	1	219	10	0	313	323	1	369	33	403	0	2	0	2	947
05:30 PM	104	130	2	236	11	0	320	331	1	322	52	375	2	0	2	4	946
05:45 PM	106	133	3	242	18	1	309	328	0	330	43	373	2	1	1	4	947
Total	400	506	8	914	50	2	1238	1290	3	1335	171	1509	6	4	4	14	3727
Grand Total	1096	1621	23	2740	216	8	3043	3267	21	3382	462	3865	15	8	12	35	9907
Apprch %	40	59.2	0.8		6.6	0.2	93.1		0.5	87.5	12		42.9	22.9	34.3		
Total %	11.1	16.4	0.2	27.7	2.2	0.1	30.7	33	0.2	34.1	4.7	39	0.2	0.1	0.1	0.4	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	84	131	2	217	11	1	296	308	1	314	43	358	2	1	1	4	887
05:15 PM	106	112	1	219	10	0	313	323	1	369	33	403	0	2	0	2	947
05:30 PM	104	130	2	236	11	0	320	331	1	322	52	375	2	0	2	4	946
05:45 PM	106	133	3	242	18	1	309	328	0	330	43	373	2	1	1	4	947
Total Volume	400	506	8	914	50	2	1238	1290	3	1335	171	1509	6	4	4	14	3727
% App. Total	43.8	55.4	0.9		3.9	0.2	96		0.2	88.5	11.3		42.9	28.6	28.6		
PHF	.943	.951	.667	.944	.694	.500	.967	.974	.750	.904	.822	.936	.750	.500	.500	.875	.984

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File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	84	131	2	217	11	1	296	308	1	314	43	358	2	1	1	4
+15 mins.	106	112	1	219	10	0	313	323	1	369	33	403	0	2	0	2
+30 mins.	104	130	2	236	11	0	320	331	1	322	52	375	2	0	2	4
+45 mins.	106	133	3	242	18	1	309	328	0	330	43	373	2	1	1	4
Total Volume	400	506	8	914	50	2	1238	1290	3	1335	171	1509	6	4	4	14
% App. Total	43.8	55.4	0.9		3.9	0.2	96		0.2	88.5	11.3		42.9	28.6	28.6	
PHF	.943	.951	.667	.944	.694	.500	.967	.974	.750	.904	.822	.936	.750	.500	.500	.875

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City of Los Angeles
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File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Dual Wheeled

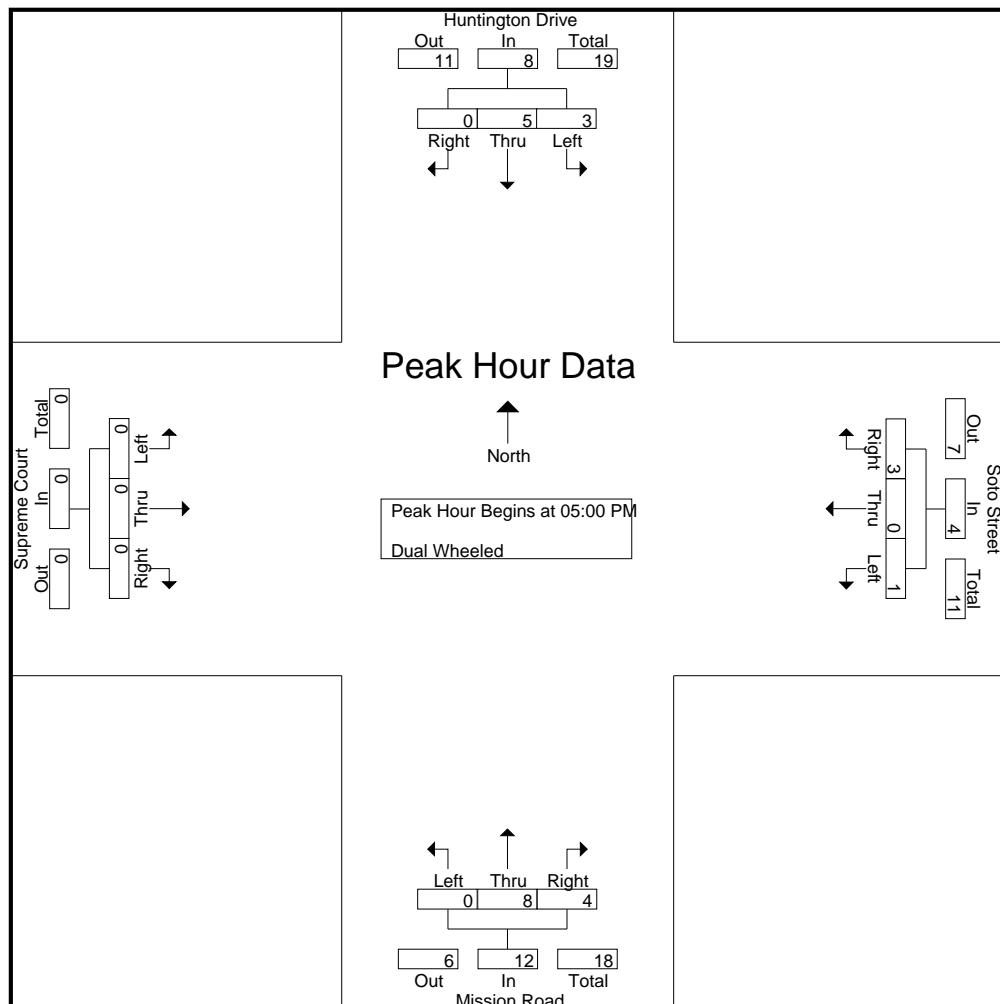
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	1	3	0	4	2	0	4	6	0	2	0	2	0	0	0	0	12
03:15 PM	2	5	0	7	2	0	2	4	0	2	3	5	0	0	0	0	16
03:30 PM	4	0	0	4	1	0	2	3	0	4	0	4	0	0	0	0	11
03:45 PM	1	3	0	4	1	0	1	2	0	5	0	5	0	0	0	0	11
Total	8	11	0	19	6	0	9	15	0	13	3	16	0	0	0	0	50
04:00 PM	3	1	0	4	0	0	1	1	0	2	1	3	0	0	0	0	8
04:15 PM	2	3	0	5	1	0	2	3	0	1	1	2	0	0	0	0	10
04:30 PM	1	2	0	3	0	0	1	1	1	2	2	5	0	0	0	0	9
04:45 PM	0	1	0	1	1	0	2	3	0	2	3	5	0	0	0	0	9
Total	6	7	0	13	2	0	6	8	1	7	7	15	0	0	0	0	36
05:00 PM	1	2	0	3	0	0	0	0	0	2	1	3	0	0	0	0	6
05:15 PM	1	0	0	1	0	0	0	0	0	2	1	3	0	0	0	0	4
05:30 PM	0	2	0	2	1	0	2	3	0	2	0	2	0	0	0	0	7
05:45 PM	1	1	0	2	0	0	1	1	0	2	2	4	0	0	0	0	7
Total	3	5	0	8	1	0	3	4	0	8	4	12	0	0	0	0	24
Grand Total	17	23	0	40	9	0	18	27	1	28	14	43	0	0	0	0	110
Apprch %	42.5	57.5	0		33.3	0	66.7		2.3	65.1	32.6		0	0	0	0	
Total %	15.5	20.9	0	36.4	8.2	0	16.4	24.5	0.9	25.5	12.7	39.1	0	0	0	0	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	1	2	0	3	0	0	0	0	0	2	1	3	0	0	0	0	6
05:15 PM	1	0	0	1	0	0	0	0	0	2	1	3	0	0	0	0	4
05:30 PM	0	2	0	2	1	0	2	3	0	2	0	2	0	0	0	0	7
05:45 PM	1	1	0	2	0	0	1	1	0	2	2	4	0	0	0	0	7
Total Volume	3	5	0	8	1	0	3	4	0	8	4	12	0	0	0	0	24
% App. Total	37.5	62.5	0		25	0	75		0	66.7	33.3		0	0	0	0	
PHF	.750	.625	.000	.667	.250	.000	.375	.333	.000	1.00	.500	.750	.000	.000	.000	.000	.857

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File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	1	2	0	3	0	0	0	0	0	2	1	3	0	0	0	0
+15 mins.	1	0	0	1	0	0	0	0	0	2	1	3	0	0	0	0
+30 mins.	0	2	0	2	1	0	2	3	0	2	0	2	0	0	0	0
+45 mins.	1	1	0	2	0	0	1	1	0	2	2	4	0	0	0	0
Total Volume	3	5	0	8	1	0	3	4	0	8	4	12	0	0	0	0
% App. Total	37.5	62.5	0	25	0	75	0	66.7	33.3	0	0	0	0	0	0	0
PHF	.750	.625	.000	.667	.250	.000	.375	.333	.000	1.000	.500	.750	.000	.000	.000	.000

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Groups Printed- Buses

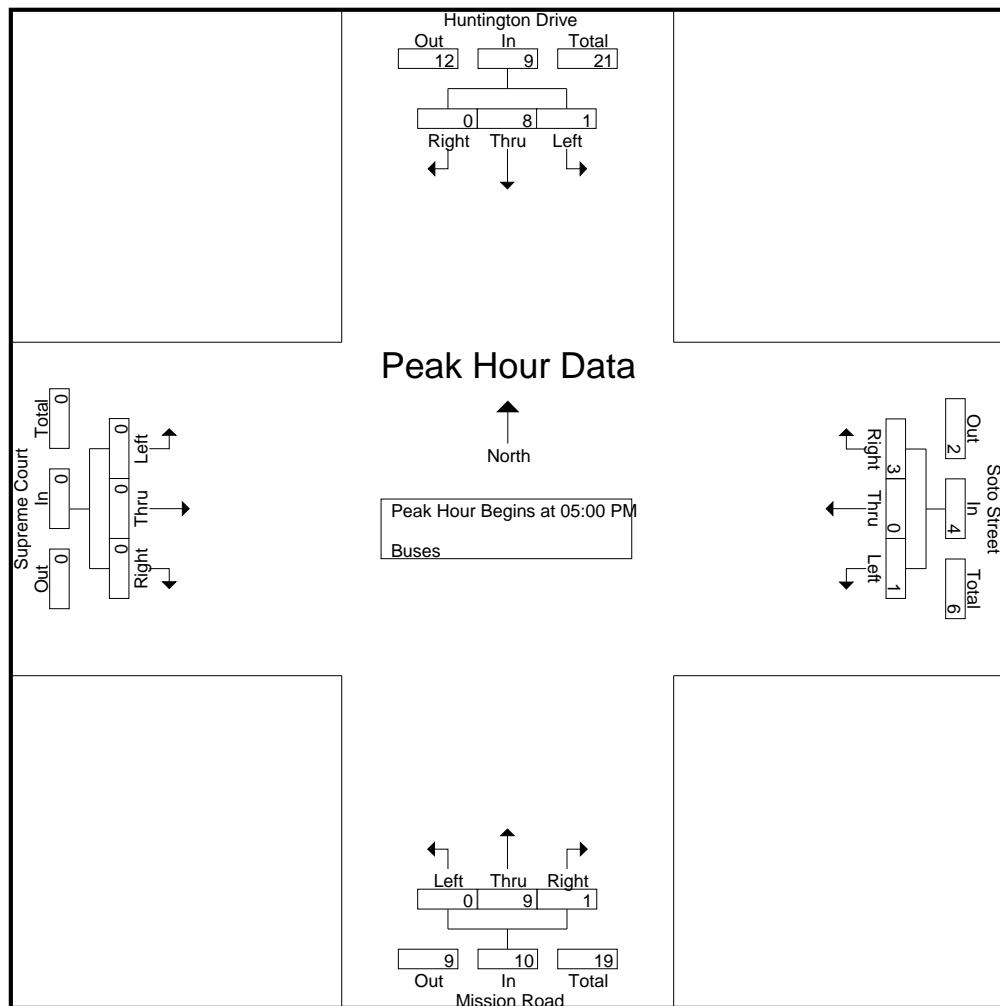
	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	2	0	2	0	0	3	3	0	3	1	4	0	0	0	0	9
03:15 PM	2	3	0	5	0	0	1	1	0	3	0	3	0	0	0	0	9
03:30 PM	2	4	0	6	0	0	3	3	0	4	0	4	0	0	0	0	13
03:45 PM	4	1	0	5	0	0	2	2	0	4	0	4	0	0	0	0	11
Total	8	10	0	18	0	0	9	9	0	14	1	15	0	0	0	0	42
04:00 PM	2	7	0	9	0	0	2	2	0	3	2	5	0	0	0	0	16
04:15 PM	3	1	0	4	0	0	2	2	0	1	0	1	0	0	0	0	7
04:30 PM	1	2	0	3	3	0	2	5	0	4	0	4	0	0	0	0	12
04:45 PM	1	2	0	3	0	0	2	2	0	1	1	2	0	0	0	0	7
Total	7	12	0	19	3	0	8	11	0	9	3	12	0	0	0	0	42
05:00 PM	0	1	0	1	1	0	1	2	0	3	0	3	0	0	0	0	6
05:15 PM	1	5	0	6	0	0	1	1	0	1	1	2	0	0	0	0	9
05:30 PM	0	1	0	1	0	0	0	0	0	4	0	4	0	0	0	0	5
05:45 PM	0	1	0	1	0	0	1	1	0	1	0	1	0	0	0	0	3
Total	1	8	0	9	1	0	3	4	0	9	1	10	0	0	0	0	23
Grand Total	16	30	0	46	4	0	20	24	0	32	5	37	0	0	0	0	107
Apprch %	34.8	65.2	0		16.7	0	83.3		0	86.5	13.5		0	0	0	0	
Total %	15	28	0	43	3.7	0	18.7	22.4	0	29.9	4.7	34.6	0	0	0	0	

	Huntington Drive Southbound				Soto Street Westbound				Mission Road Northbound				Supreme Court Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	1	0	1	1	0	1	2	0	3	0	3	0	0	0	0	6
05:15 PM	1	5	0	6	0	0	1	1	0	1	1	2	0	0	0	0	9
05:30 PM	0	1	0	1	0	0	0	0	0	4	0	4	0	0	0	0	5
05:45 PM	0	1	0	1	0	0	1	1	0	1	0	1	0	0	0	0	3
Total Volume	1	8	0	9	1	0	3	4	0	9	1	10	0	0	0	0	23
% App. Total	11.1	88.9	0		25	0	75		0	90	10		0	0	0	0	
PHF	.250	.400	.000	.375	.250	.000	.750	.500	.000	.563	.250	.625	.000	.000	.000	.000	.639

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File Name : 01_LAC_HMSS PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	1	0	1	1	0	1	2	0	3	0	3	0	0	0	0
+15 mins.	1	5	0	6	0	0	1	1	0	1	1	2	0	0	0	0
+30 mins.	0	1	0	1	0	0	0	0	0	4	0	4	0	0	0	0
+45 mins.	0	1	0	1	0	0	1	1	0	1	0	1	0	0	0	0
Total Volume	1	8	0	9	1	0	3	4	0	9	1	10	0	0	0	0
% App. Total	11.1	88.9	0		25	0	75		0	90	10		0	0	0	0
PHF	.250	.400	.000	.375	.250	.000	.750	.500	.000	.563	.250	.625	.000	.000	.000	.000



City Of Los Angeles
Department Of Transportation
MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Mission RoadEast/West BroadwayDay: Thursday Date: March 15, 2018 Weather: CLEARHours: 7-10AM 3-6PM Staff: CUISchool Day: YES District: Central I/S CODE 20497

DUAL-WHEELED BIKES BUSES	N/B	S/B	E/B	W/B
92	80	66	40	
10	21	3	3	
57	70	56	1	

	N/B TIME		S/B TIME		E/B TIME		W/B TIME	
AM PK 15 MIN	121	8.15	588	7.15	140	8.00	12	8.00
PM PK 15 MIN	236	4.30	214	4.30	201	5.15	19	4.30
AM PK HOUR	413	7.30	2109	7.15	506	7.30	37	7.15
PM PK HOUR	881	4.30	737	3.00	653	5.00	43	4.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	15	285	20	320
8-9	44	293	12	349
9-10	32	227	8	267
3-4	53	478	14	545
4-5	35	725	15	775
5-6	81	779	10	870
TOTAL	260	2787	79	3126

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	14	946	1125	2085
8-9	16	901	988	1905
9-10	12	601	542	1155
3-4	11	297	429	737
4-5	13	316	392	721
5-6	4	264	353	621
TOTAL	70	3325	3829	7224

TOTAL

N-S	Ped	Sch
2405	83	0
2254	42	0
1422	41	0
1282	0	0
1496	56	1
1491	94	0
	53	2
	0	0

XING S/L

Ped	Sch
0	0
1	0
0	0
0	0
0	0
0	0
0	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	332	7	54	393
8-9	331	7	76	414
9-10	235	7	56	298
3-4	567	4	38	609
4-5	570	8	43	621
5-6	618	6	29	653
TOTAL	2653	39	296	2988

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	15	6	14	35
8-9	9	9	13	31
9-10	6	4	13	23
3-4	19	10	8	37
4-5	16	8	19	43
5-6	15	6	17	38
TOTAL	80	43	84	207

TOTAL

E-W	Ped	Sch
428	37	0
445	18	2
321	33	1
646	25	4
664	25	1
691	15	1
	2	0

XING E/L

Ped	Sch
4	0
0	0
3	0
12	0
1	0
2	0

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City of Los Angeles
 N/S: Mission Road
 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway AM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Passenger Vehicles - Dual Wheeled - Buses

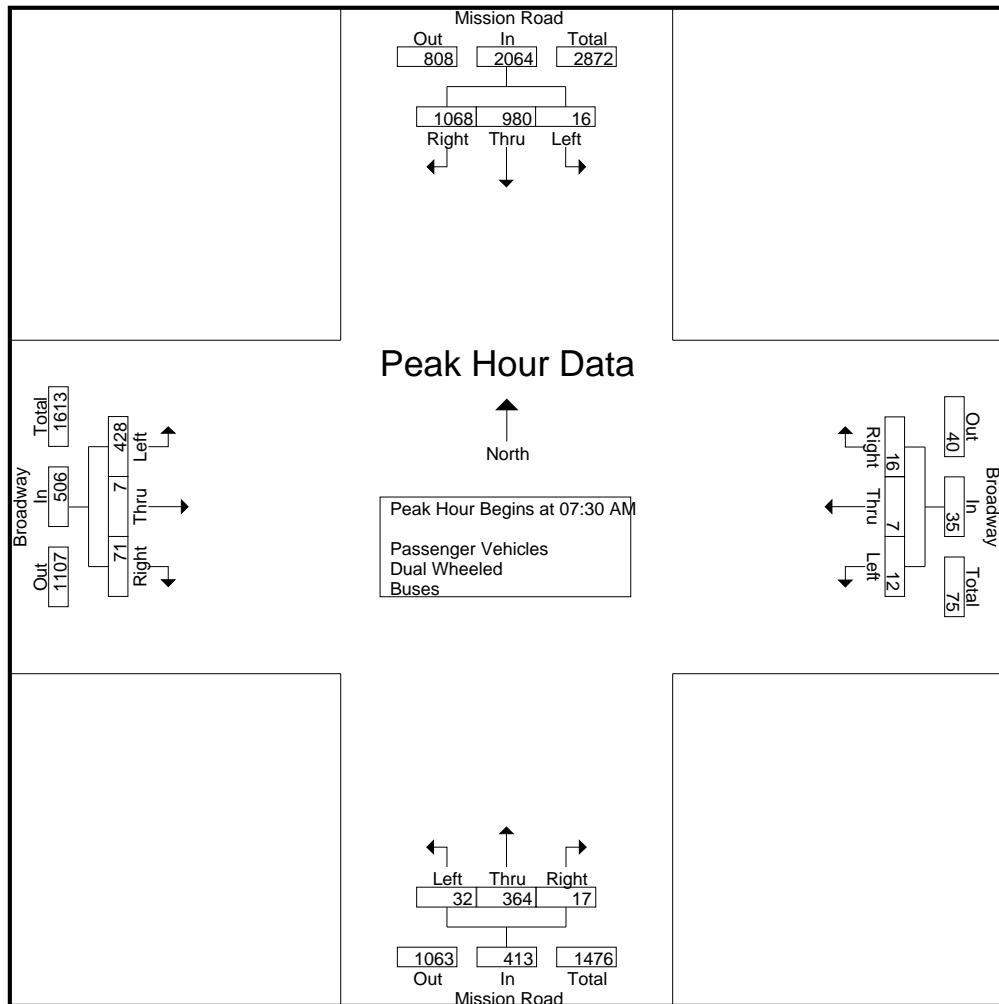
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	3	210	275	488	5	3	2	10	4	43	5	52	46	1	7	54	604
07:15 AM	4	258	326	588	4	0	4	8	4	51	2	57	73	1	11	85	738
07:30 AM	3	217	265	485	2	1	3	6	5	92	3	100	103	2	19	124	715
07:45 AM	4	261	259	524	4	2	5	11	2	99	10	111	110	3	17	130	776
Total	14	946	1125	2085	15	6	14	35	15	285	20	320	332	7	54	393	2833
08:00 AM	5	260	247	512	3	3	6	12	6	75	0	81	125	2	13	140	745
08:15 AM	4	242	297	543	3	1	2	6	19	98	4	121	90	0	22	112	782
08:30 AM	4	192	255	451	2	2	3	7	17	65	5	87	62	2	26	90	635
08:45 AM	3	207	189	399	1	3	2	6	2	55	3	60	54	3	15	72	537
Total	16	901	988	1905	9	9	13	31	44	293	12	349	331	7	76	414	2699
09:00 AM	2	195	144	341	1	1	4	6	5	56	2	63	57	4	13	74	484
09:15 AM	6	172	134	312	0	2	5	7	11	58	3	72	54	2	11	67	458
09:30 AM	1	113	143	257	2	1	1	4	9	59	2	70	70	0	18	88	419
09:45 AM	3	121	121	245	3	0	3	6	7	54	1	62	54	1	14	69	382
Total	12	601	542	1155	6	4	13	23	32	227	8	267	235	7	56	298	1743
Grand Total	42	2448	2655	5145	30	19	40	89	91	805	40	936	898	21	186	1105	7275
Apprch %	0.8	47.6	51.6		33.7	21.3	44.9		9.7	86	4.3		81.3	1.9	16.8		
Total %	0.6	33.6	36.5	70.7	0.4	0.3	0.5	1.2	1.3	11.1	0.5	12.9	12.3	0.3	2.6		15.2
Passenger Vehicles	37	2407	2618	5062	23	19	31	73	81	751	30	862	858	18	148	1024	7021
% Passenger Vehicles	88.1	98.3	98.6	98.4	76.7	100	77.5	82	89	93.3	75	92.1	95.5	85.7	79.6	92.7	96.5
Dual Wheeled	5	12	27	44	7	0	8	15	8	31	10	49	33	3	9	45	153
% Dual Wheeled	11.9	0.5	1	0.9	23.3	0	20	16.9	8.8	3.9	25	5.2	3.7	14.3	4.8	4.1	2.1
Buses	0	29	10	39	0	0	1	1	2	23	0	25	7	0	29	36	101
% Buses	0	1.2	0.4	0.8	0	0	2.5	1.1	2.2	2.9	0	2.7	0.8	0	15.6	3.3	1.4

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	3	217	265	485	2	1	3	6	5	92	3	100	103	2	19	124	715
07:45 AM	4	261	259	524	4	2	5	11	2	99	10	111	110	3	17	130	776
08:00 AM	5	260	247	512	3	3	6	12	6	75	0	81	125	2	13	140	745
08:15 AM	4	242	297	543	3	1	2	6	19	98	4	121	90	0	22	112	782
Total Volume	16	980	1068	2064	12	7	16	35	32	364	17	413	428	7	71	506	3018
% App. Total	0.8	47.5	51.7		34.3	20	45.7		7.7	88.1	4.1		84.6	1.4	14		
PHF	.800	.939	.899	.950	.750	.583	.667	.729	.421	.919	.425	.853	.856	.583	.807	.904	.965

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 Site Code : 16616351
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Peak Hour Analysis From 07:00 AM to 09:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:15 AM				07:15 AM				07:30 AM				07:30 AM			
+0 mins.	4	258	326	588	4	0	4	8	5	92	3	100	103	2	19	124
+15 mins.	3	217	265	485	2	1	3	6	2	99	10	111	110	3	17	130
+30 mins.	4	261	259	524	4	2	5	11	6	75	0	81	125	2	13	140
+45 mins.	5	260	247	512	3	3	6	12	19	98	4	121	90	0	22	112
Total Volume	16	996	1097	2109	13	6	18	37	32	364	17	413	428	7	71	506
% App. Total	0.8	47.2	52		35.1	16.2	48.6		7.7	88.1	4.1		84.6	1.4	14	
PHF	.800	.954	.841	.897	.813	.500	.750	.771	.421	.919	.425	.853	.856	.583	.807	.904

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File Name : 02_LAC_Mission_Broadway AM
 Site Code : 16616351
 Start Date : 3/15/2018
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Groups Printed- Passenger Vehicles

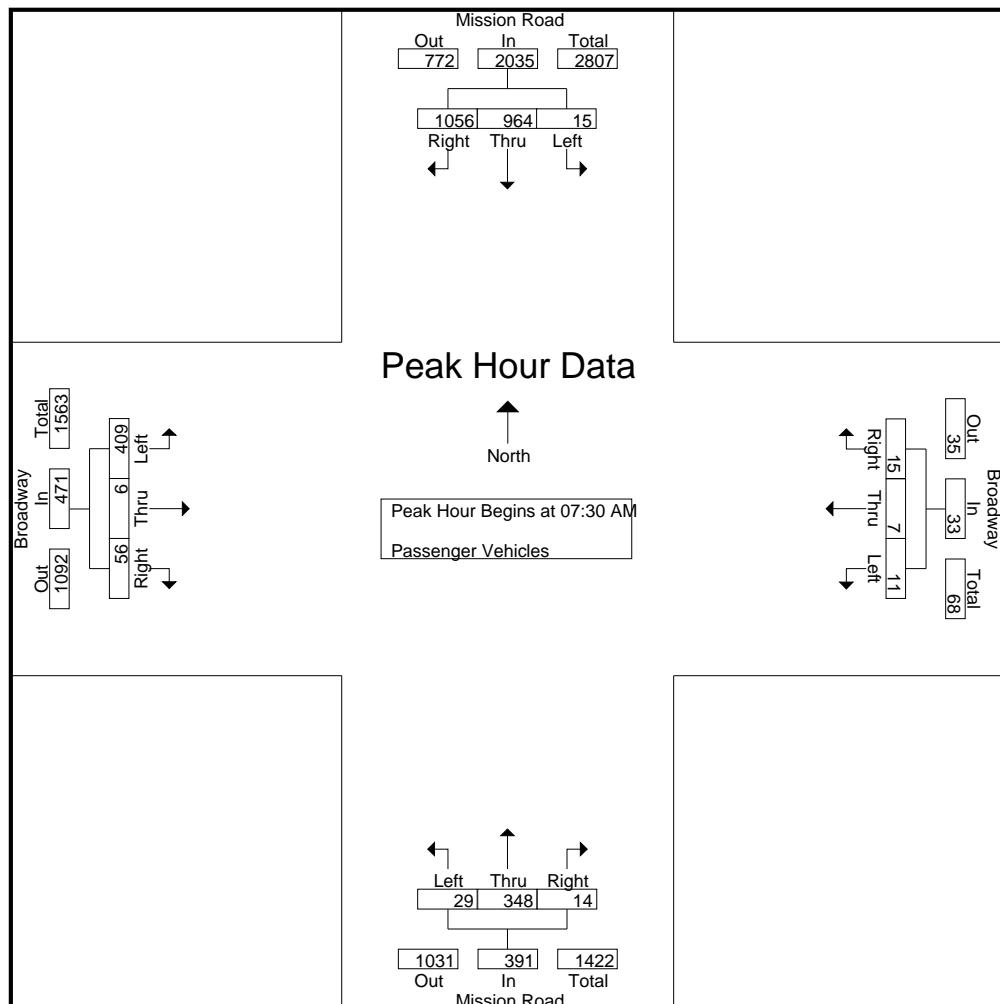
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	3	205	271	479	5	3	2	10	4	41	5	50	45	0	4	49	588
07:15 AM	4	255	323	582	3	0	4	7	3	47	2	52	67	1	10	78	719
07:30 AM	3	213	259	475	2	1	3	6	5	88	1	94	96	1	15	112	687
07:45 AM	4	257	255	516	3	2	5	10	2	95	9	106	108	3	15	126	758
Total	14	930	1108	2052	13	6	14	33	14	271	17	302	316	5	44	365	2752
08:00 AM	4	257	246	507	3	3	5	11	5	71	0	76	119	2	10	131	725
08:15 AM	4	237	296	537	3	1	2	6	17	94	4	115	86	0	16	102	760
08:30 AM	4	190	252	446	1	2	1	4	17	59	2	78	61	2	23	86	614
08:45 AM	3	204	185	392	0	3	1	4	1	52	2	55	49	2	14	65	516
Total	15	888	979	1882	7	9	9	25	40	276	8	324	315	6	63	384	2615
09:00 AM	1	192	142	335	0	1	3	4	4	55	2	61	55	4	7	66	466
09:15 AM	5	170	129	304	0	2	4	6	10	52	1	63	51	2	9	62	435
09:30 AM	1	110	141	252	2	1	0	3	7	47	2	56	70	0	15	85	396
09:45 AM	1	117	119	237	1	0	1	2	6	50	0	56	51	1	10	62	357
Total	8	589	531	1128	3	4	8	15	27	204	5	236	227	7	41	275	1654
Grand Total	37	2407	2618	5062	23	19	31	73	81	751	30	862	858	18	148	1024	7021
Apprch %	0.7	47.6	51.7		31.5	26	42.5		9.4	87.1	3.5		83.8	1.8	14.5		
Total %	0.5	34.3	37.3	72.1	0.3	0.3	0.4	1	1.2	10.7	0.4	12.3	12.2	0.3	2.1		14.6

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	3	213	259	475	2	1	3	6	5	88	1	94	96	1	15	112	687
07:45 AM	4	257	255	516	3	2	5	10	2	95	9	106	108	3	15	126	758
08:00 AM	4	257	246	507	3	3	5	11	5	71	0	76	119	2	10	131	725
08:15 AM	4	237	296	537	3	1	2	6	17	94	4	115	86	0	16	102	760
Total Volume	15	964	1056	2035	11	7	15	33	29	348	14	391	409	6	56	471	2930
% App. Total	0.7	47.4	51.9		33.3	21.2	45.5		7.4	89	3.6		86.8	1.3	11.9		
PHF	.938	.938	.892	.947	.917	.583	.750	.750	.426	.916	.389	.850	.859	.500	.875	.899	.964

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 Site Code : 16616351
 Start Date : 3/15/2018
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Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	3	213	259	475	2	1	3	6	5	88	1	94	96	1	15	112
+15 mins.	4	257	255	516	3	2	5	10	2	95	9	106	108	3	15	126
+30 mins.	4	257	246	507	3	3	5	11	5	71	0	76	119	2	10	131
+45 mins.	4	237	296	537	3	1	2	6	17	94	4	115	86	0	16	102
Total Volume	15	964	1056	2035	11	7	15	33	29	348	14	391	409	6	56	471
% App. Total	0.7	47.4	51.9		33.3	21.2	45.5		7.4	89	3.6		86.8	1.3	11.9	
PHF	.938	.938	.892	.947	.917	.583	.750	.750	.426	.916	.389	.850	.859	.500	.875	.899

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 Site Code : 16616351
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Groups Printed- Dual Wheeled

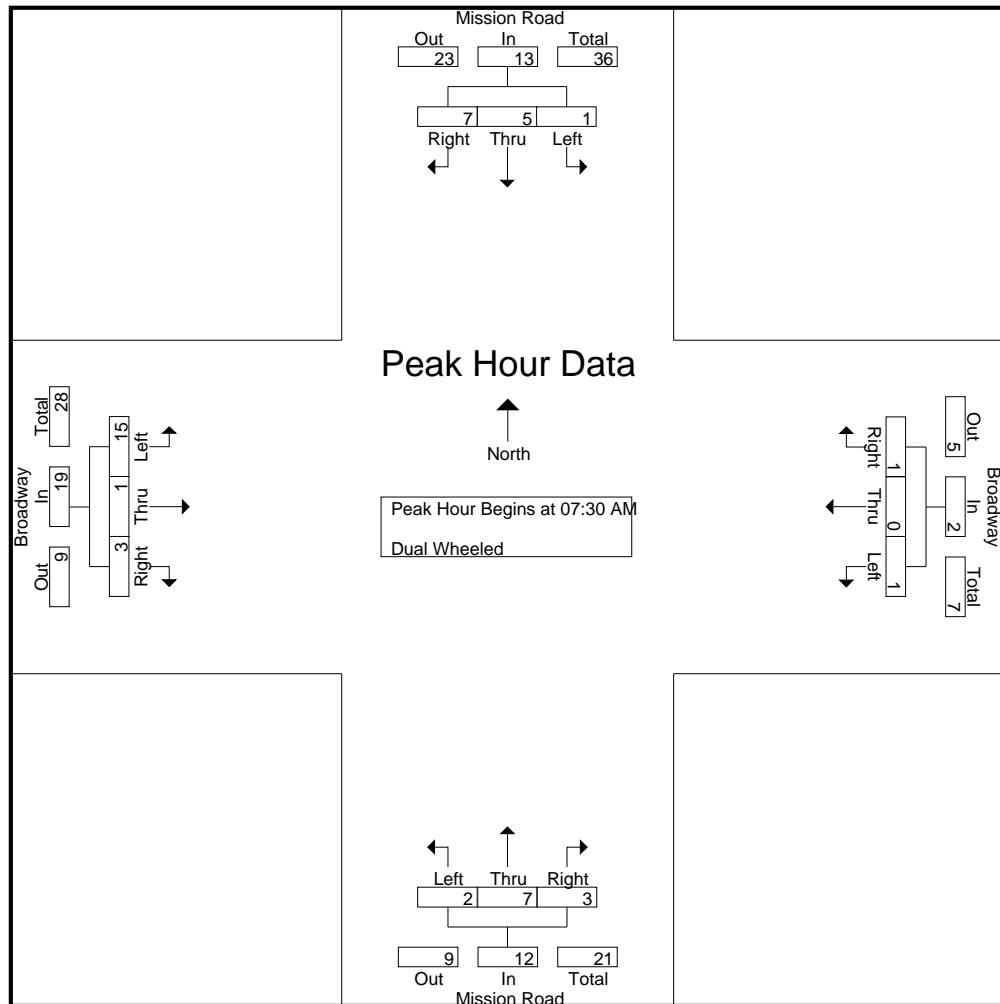
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	1	3	4	0	0	0	0	0	1	0	1	1	1	0	2	7
07:15 AM	0	0	1	1	1	0	0	1	1	1	0	2	4	0	0	4	8
07:30 AM	0	1	3	4	0	0	0	0	0	3	2	5	6	1	1	8	17
07:45 AM	0	3	2	5	1	0	0	1	0	2	1	3	2	0	0	2	11
Total	0	5	9	14	2	0	0	2	1	7	3	11	13	2	1	16	43
08:00 AM	1	1	1	3	0	0	1	1	1	0	0	1	3	0	1	4	9
08:15 AM	0	0	1	1	0	0	0	0	1	2	0	3	4	0	1	5	9
08:30 AM	0	1	3	4	1	0	1	2	0	4	3	7	1	0	0	1	14
08:45 AM	0	0	4	4	1	0	1	2	1	2	1	4	4	1	0	5	15
Total	1	2	9	12	2	0	3	5	3	8	4	15	12	1	2	15	47
09:00 AM	1	0	1	2	1	0	1	2	1	1	0	2	2	0	2	4	10
09:15 AM	1	1	5	7	0	0	1	1	1	3	2	6	3	0	1	4	18
09:30 AM	0	2	1	3	0	0	1	1	2	11	0	13	0	0	1	1	18
09:45 AM	2	2	2	6	2	0	2	4	0	1	1	2	3	0	2	5	17
Total	4	5	9	18	3	0	5	8	4	16	3	23	8	0	6	14	63
Grand Total	5	12	27	44	7	0	8	15	8	31	10	49	33	3	9	45	153
Apprch %	11.4	27.3	61.4		46.7	0	53.3		16.3	63.3	20.4		73.3	6.7	20		
Total %	3.3	7.8	17.6	28.8	4.6	0	5.2	9.8	5.2	20.3	6.5	32	21.6	2	5.9	29.4	

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	1	3	4	0	0	0	0	0	3	2	5	6	1	1	8	17
07:45 AM	0	3	2	5	1	0	0	1	0	2	1	3	2	0	0	2	11
08:00 AM	1	1	1	3	0	0	1	1	1	0	0	1	3	0	1	4	9
08:15 AM	0	0	1	1	0	0	0	0	1	2	0	3	4	0	1	5	9
Total Volume	1	5	7	13	1	0	1	2	2	7	3	12	15	1	3	19	46
% App. Total	7.7	38.5	53.8		50	0	50		16.7	58.3	25		78.9	5.3	15.8		
PHF	.250	.417	.583	.650	.250	.000	.250	.500	.500	.583	.375	.600	.625	.250	.750	.594	.676

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 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	0	1	3	4	0	0	0	0	0	3	2	5	6	1	1	8
+15 mins.	0	3	2	5	1	0	0	1	0	2	1	3	2	0	0	2
+30 mins.	1	1	1	3	0	0	1	1	1	0	0	1	3	0	1	4
+45 mins.	0	0	1	1	0	0	0	0	1	2	0	3	4	0	1	5
Total Volume	1	5	7	13	1	0	1	2	2	7	3	12	15	1	3	19
% App. Total	7.7	38.5	53.8		50	0	50		16.7	58.3	25		78.9	5.3	15.8	
PHF	.250	.417	.583	.650	.250	.000	.250	.500	.500	.583	.375	.600	.625	.250	.750	.594

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Groups Printed- Buses

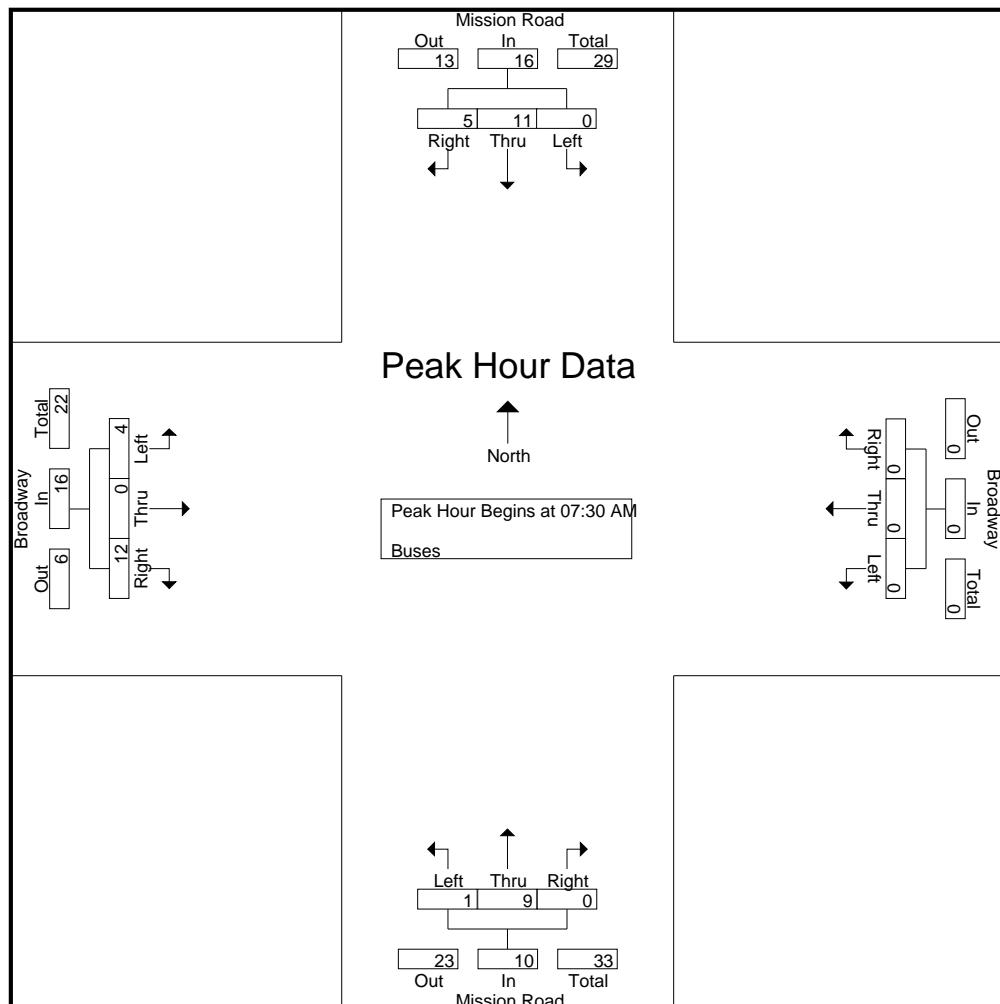
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
07:00 AM	0	4	1	5	0	0	0	0	0	1	0	1	0	0	0	3	9
07:15 AM	0	3	2	5	0	0	0	0	0	3	0	3	2	0	1	3	11
07:30 AM	0	3	3	6	0	0	0	0	0	1	0	1	1	0	3	4	11
07:45 AM	0	1	2	3	0	0	0	0	0	2	0	2	0	0	2	2	7
Total	0	11	8	19	0	0	0	0	0	7	0	7	3	0	9	12	38
08:00 AM	0	2	0	2	0	0	0	0	0	4	0	4	3	0	2	5	11
08:15 AM	0	5	0	5	0	0	0	0	1	2	0	3	0	0	5	5	13
08:30 AM	0	1	0	1	0	0	1	1	0	2	0	2	0	0	3	3	7
08:45 AM	0	3	0	3	0	0	0	0	0	1	0	1	1	0	1	2	6
Total	0	11	0	11	0	0	1	1	1	9	0	10	4	0	11	15	37
09:00 AM	0	3	1	4	0	0	0	0	0	0	0	0	0	0	4	4	8
09:15 AM	0	1	0	1	0	0	0	0	0	3	0	3	0	0	1	1	5
09:30 AM	0	1	1	2	0	0	0	0	0	1	0	1	0	0	2	2	5
09:45 AM	0	2	0	2	0	0	0	0	1	3	0	4	0	0	2	2	8
Total	0	7	2	9	0	0	0	0	1	7	0	8	0	0	9	9	26
Grand Total	0	29	10	39	0	0	1	1	2	23	0	25	7	0	29	36	101
Apprch %	0	74.4	25.6		0	0	100		8	92	0		19.4	0	80.6		
Total %	0	28.7	9.9	38.6	0	0	1	1	2	22.8	0	24.8	6.9	0	28.7	35.6	

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	3	3	6	0	0	0	0	0	1	0	1	1	0	3	4	11
07:45 AM	0	1	2	3	0	0	0	0	0	2	0	2	0	0	2	2	7
08:00 AM	0	2	0	2	0	0	0	0	0	4	0	4	3	0	2	5	11
08:15 AM	0	5	0	5	0	0	0	0	1	2	0	3	0	0	5	5	13
Total Volume	0	11	5	16	0	0	0	0	1	9	0	10	4	0	12	16	42
% App. Total	0	68.8	31.2		0	0	0		10	90	0		25	0	75		
PHF	.000	.550	.417	.667	.000	.000	.000	.000	.250	.563	.000	.625	.333	.000	.600	.800	.808

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City of Los Angeles
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 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway AM
 Site Code : 16616351
 Start Date : 3/15/2018
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Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM				07:30 AM				07:30 AM				07:30 AM			
+0 mins.	0	3	3	6	0	0	0	0	0	1	0	1	1	0	3	4
+15 mins.	0	1	2	3	0	0	0	0	0	2	0	2	0	0	2	2
+30 mins.	0	2	0	2	0	0	0	0	0	4	0	4	3	0	2	5
+45 mins.	0	5	0	5	0	0	0	0	1	2	0	3	0	0	5	5
Total Volume	0	11	5	16	0	0	0	0	1	9	0	10	4	0	12	16
% App. Total	0	68.8	31.2	0	0	0	0	0	10	90	0	25	0	75		
PHF	.000	.550	.417	.667	.000	.000	.000	.000	.250	.563	.000	.625	.333	.000	.600	.800

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City of Los Angeles
 N/S: Mission Road
 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Passenger Vehicles - Dual Wheeled - Buses

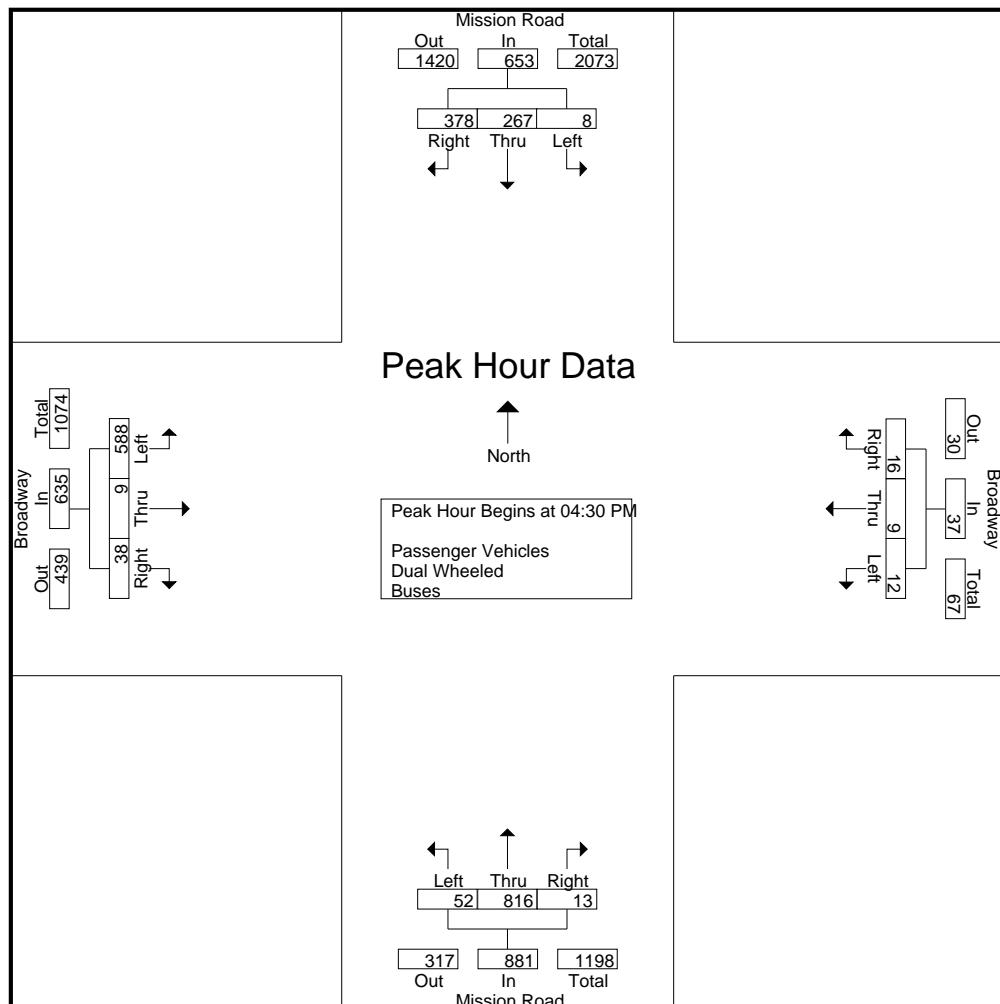
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	2	75	122	199	10	4	1	15	5	96	4	105	149	1	9	159	478
03:15 PM	4	75	110	189	4	4	3	11	15	95	2	112	160	2	10	172	484
03:30 PM	3	83	99	185	4	0	3	7	15	151	7	173	113	1	8	122	487
03:45 PM	2	64	98	164	1	2	1	4	18	136	1	155	145	0	11	156	479
Total	11	297	429	737	19	10	8	37	53	478	14	545	567	4	38	609	1928
04:00 PM	3	93	78	174	5	0	6	11	4	150	3	157	132	0	14	146	488
04:15 PM	4	77	104	185	3	1	3	7	12	158	5	175	158	3	10	171	538
04:30 PM	5	81	128	214	6	4	9	19	7	223	6	236	145	2	9	156	625
04:45 PM	1	65	82	148	2	3	1	6	12	194	1	207	135	3	10	148	509
Total	13	316	392	721	16	8	19	43	35	725	15	775	570	8	43	621	2160
05:00 PM	1	65	90	156	1	2	4	7	20	182	3	205	120	0	10	130	498
05:15 PM	1	56	78	135	3	0	2	5	13	217	3	233	188	4	9	201	574
05:30 PM	1	75	91	167	7	3	8	18	25	201	2	228	137	1	5	143	556
05:45 PM	1	68	94	163	4	1	3	8	23	179	2	204	173	1	5	179	554
Total	4	264	353	621	15	6	17	38	81	779	10	870	618	6	29	653	2182
Grand Total	28	877	1174	2079	50	24	44	118	169	1982	39	2190	1755	18	110	1883	6270
Apprch %	1.3	42.2	56.5		42.4	20.3	37.3		7.7	90.5	1.8		93.2	1	5.8		
Total %	0.4	14	18.7	33.2	0.8	0.4	0.7	1.9	2.7	31.6	0.6	34.9	28	0.3	1.8	30	
Passenger Vehicles	28	826	1158	2012	27	24	42	93	162	1932	21	2115	1736	18	88	1842	6062
% Passenger Vehicles	100	94.2	98.6	96.8	54	100	95.5	78.8	95.9	97.5	53.8	96.6	98.9	100	80	97.8	96.7
Dual Wheeled	0	28	8	36	23	0	2	25	4	21	18	43	16	0	5	21	125
% Dual Wheeled	0	3.2	0.7	1.7	46	0	4.5	21.2	2.4	1.1	46.2	2	0.9	0	4.5	1.1	2
Buses	0	23	8	31	0	0	0	0	3	29	0	32	3	0	17	20	83
% Buses	0	2.6	0.7	1.5	0	0	0	0	1.8	1.5	0	1.5	0.2	0	15.5	1.1	1.3

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	5	81	128	214	6	4	9	19	7	223	6	236	145	2	9	156	625
04:45 PM	1	65	82	148	2	3	1	6	12	194	1	207	135	3	10	148	509
05:00 PM	1	65	90	156	1	2	4	7	20	182	3	205	120	0	10	130	498
05:15 PM	1	56	78	135	3	0	2	5	13	217	3	233	188	4	9	201	574
Total Volume	8	267	378	653	12	9	16	37	52	816	13	881	588	9	38	635	2206
% App. Total	1.2	40.9	57.9		32.4	24.3	43.2		5.9	92.6	1.5		92.6	1.4	6		
PHF	.400	.824	.738	.763	.500	.563	.444	.487	.650	.915	.542	.933	.782	.563	.950	.790	.882

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City of Los Angeles
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File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
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Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	03:00 PM				04:00 PM				04:30 PM				05:00 PM			
+0 mins.	2	75	122	199	5	0	6	11	7	223	6	236	120	0	10	130
+15 mins.	4	75	110	189	3	1	3	7	12	194	1	207	188	4	9	201
+30 mins.	3	83	99	185	6	4	9	19	20	182	3	205	137	1	5	143
+45 mins.	2	64	98	164	2	3	1	6	13	217	3	233	173	1	5	179
Total Volume	11	297	429	737	16	8	19	43	52	816	13	881	618	6	29	653
% App. Total	1.5	40.3	58.2		37.2	18.6	44.2		5.9	92.6	1.5		94.6	0.9	4.4	
PHF	.688	.895	.879	.926	.667	.500	.528	.566	.650	.915	.542	.933	.822	.375	.725	.812

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City of Los Angeles
 N/S: Mission Road
 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Passenger Vehicles

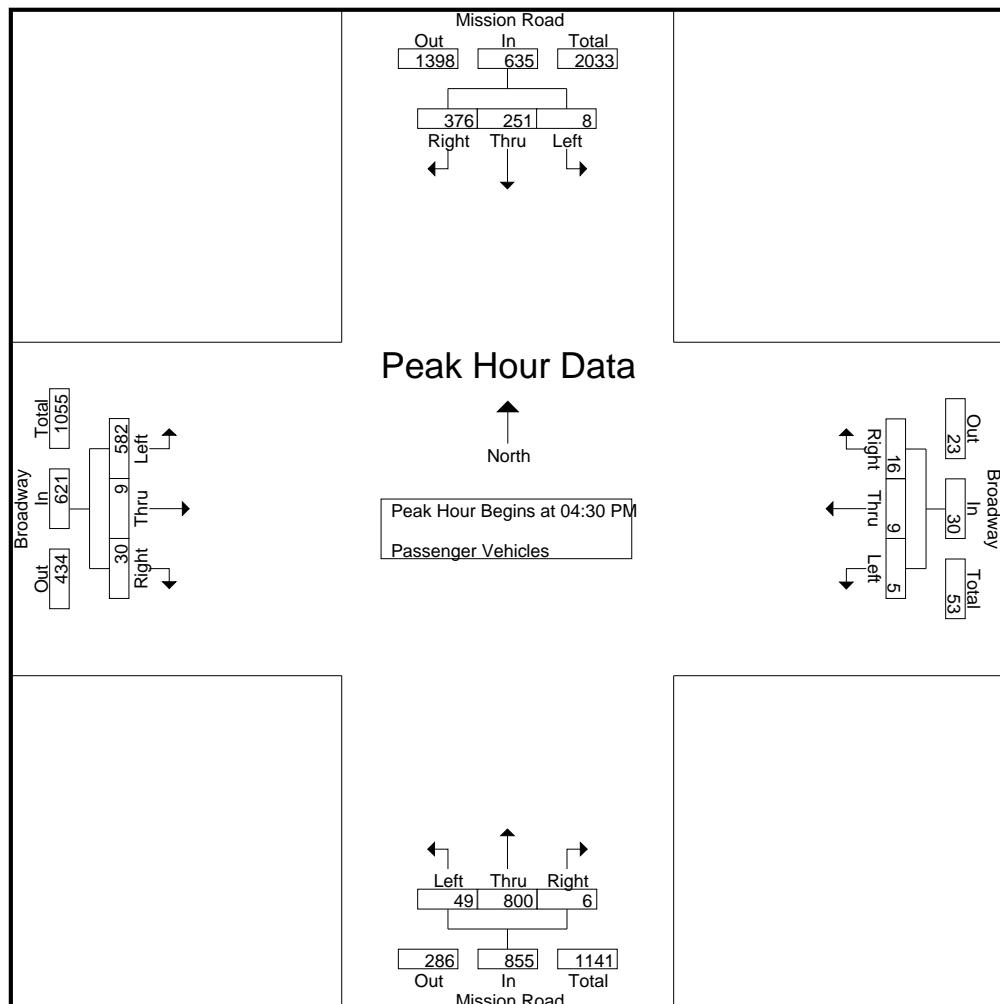
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	2	68	119	189	5	4	1	10	5	94	4	103	146	1	6	153	455
03:15 PM	4	65	110	179	4	4	2	10	15	90	1	106	157	2	8	167	462
03:30 PM	3	80	97	180	3	0	3	6	14	147	3	164	112	1	7	120	470
03:45 PM	2	61	96	159	0	2	1	3	16	129	0	145	143	0	8	151	458
Total	11	274	422	707	12	10	7	29	50	460	8	518	558	4	29	591	1845
04:00 PM	3	88	75	166	0	0	6	6	4	144	0	148	130	0	12	142	462
04:15 PM	4	76	101	181	2	1	3	6	11	155	4	170	158	3	9	170	527
04:30 PM	5	75	127	207	3	4	9	16	7	219	3	229	143	2	5	150	602
04:45 PM	1	62	82	145	0	3	1	4	11	189	0	200	134	3	8	145	494
Total	13	301	385	699	5	8	19	32	33	707	7	747	565	8	34	607	2085
05:00 PM	1	61	90	152	1	2	4	7	18	179	2	199	120	0	10	130	488
05:15 PM	1	53	77	131	1	0	2	3	13	213	1	227	185	4	7	196	557
05:30 PM	1	71	90	162	5	3	8	16	25	197	1	223	136	1	4	141	542
05:45 PM	1	66	94	161	3	1	2	6	23	176	2	201	172	1	4	177	545
Total	4	251	351	606	10	6	16	32	79	765	6	850	613	6	25	644	2132
Grand Total	28	826	1158	2012	27	24	42	93	162	1932	21	2115	1736	18	88	1842	6062
Apprch %	1.4	41.1	57.6		29	25.8	45.2		7.7	91.3	1		94.2	1	4.8		
Total %	0.5	13.6	19.1	33.2	0.4	0.4	0.7	1.5	2.7	31.9	0.3	34.9	28.6	0.3	1.5	30.4	

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	5	75	127	207	3	4	9	16	7	219	3	229	143	2	5	150	602
04:45 PM	1	62	82	145	0	3	1	4	11	189	0	200	134	3	8	145	494
05:00 PM	1	61	90	152	1	2	4	7	18	179	2	199	120	0	10	130	488
05:15 PM	1	53	77	131	1	0	2	3	13	213	1	227	185	4	7	196	557
Total Volume	8	251	376	635	5	9	16	30	49	800	6	855	582	9	30	621	2141
% App. Total	1.3	39.5	59.2		16.7	30	53.3		5.7	93.6	0.7		93.7	1.4	4.8		
PHF	.400	.837	.740	.767	.417	.563	.444	.469	.681	.913	.500	.933	.786	.563	.750	.792	.889

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City of Los Angeles
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File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	5	75	127	207	3	4	9	16	7	219	3	229	143	2	5	150
+15 mins.	1	62	82	145	0	3	1	4	11	189	0	200	134	3	8	145
+30 mins.	1	61	90	152	1	2	4	7	18	179	2	199	120	0	10	130
+45 mins.	1	53	77	131	1	0	2	3	13	213	1	227	185	4	7	196
Total Volume	8	251	376	635	5	9	16	30	49	800	6	855	582	9	30	621
% App. Total	1.3	39.5	59.2		16.7	30	53.3		5.7	93.6	0.7		93.7	1.4	4.8	
PHF	.400	.837	.740	.767	.417	.563	.444	.469	.681	.913	.500	.933	.786	.563	.750	.792

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City of Los Angeles
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 Weather: Clear

File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 1

Groups Printed- Dual Wheeled

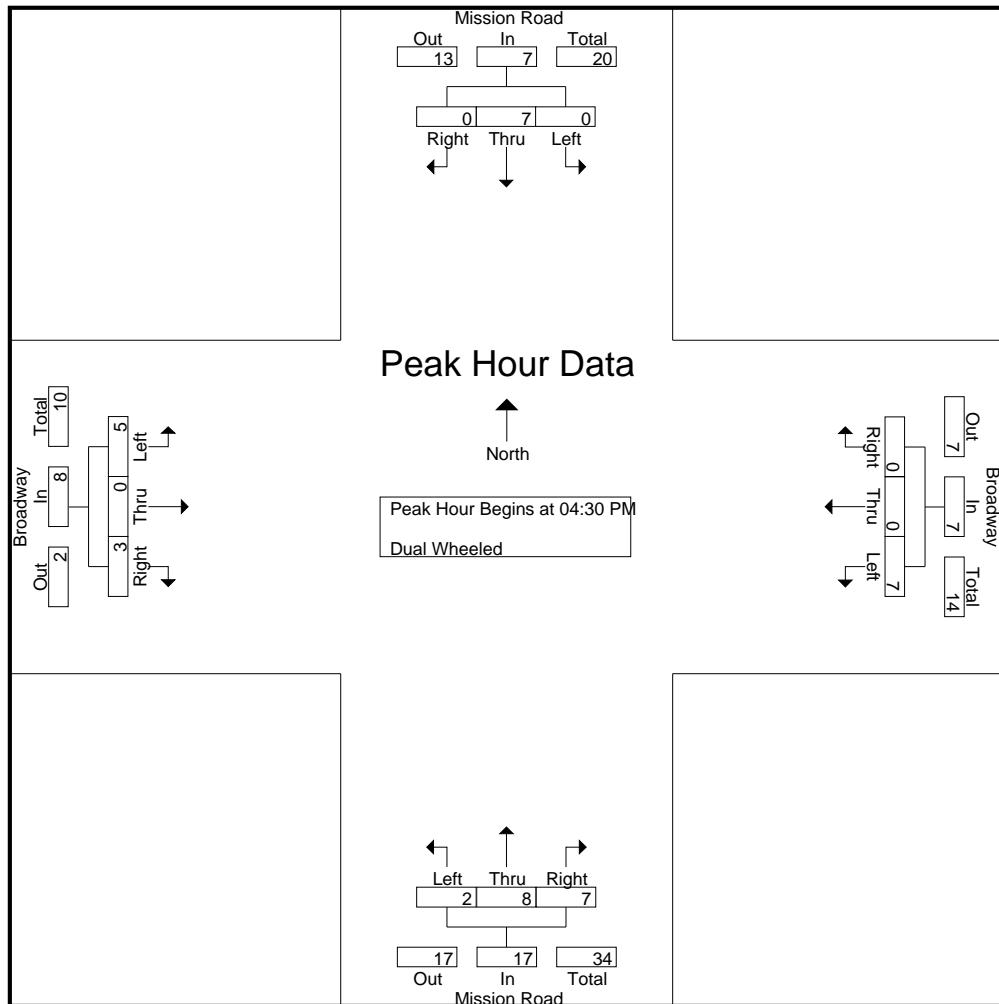
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	7	1	8	5	0	0	5	0	0	0	0	2	0	1	3	16
03:15 PM	0	7	0	7	0	0	1	1	0	2	1	3	3	0	1	4	15
03:30 PM	0	0	1	1	1	0	0	1	0	1	4	5	0	0	0	0	7
03:45 PM	0	2	2	4	1	0	0	1	1	3	1	5	2	0	0	2	12
Total	0	16	4	20	7	0	1	8	1	6	6	13	7	0	2	9	50
04:00 PM	0	1	0	1	5	0	0	5	0	2	3	5	2	0	0	2	13
04:15 PM	0	0	3	3	1	0	0	1	1	2	1	4	0	0	0	0	8
04:30 PM	0	4	0	4	3	0	0	3	0	1	3	4	2	0	2	4	15
04:45 PM	0	1	0	1	2	0	0	2	0	4	1	5	1	0	1	2	10
Total	0	6	3	9	11	0	0	11	1	9	8	18	5	0	3	8	46
05:00 PM	0	2	0	2	0	0	0	0	2	0	1	3	0	0	0	0	5
05:15 PM	0	0	0	0	2	0	0	2	0	3	2	5	2	0	0	2	9
05:30 PM	0	3	1	4	2	0	0	2	0	1	1	2	1	0	0	1	9
05:45 PM	0	1	0	1	1	0	1	2	0	2	0	2	1	0	0	1	6
Total	0	6	1	7	5	0	1	6	2	6	4	12	4	0	0	4	29
Grand Total	0	28	8	36	23	0	2	25	4	21	18	43	16	0	5	21	125
Apprch %	0	77.8	22.2		92	0	8		9.3	48.8	41.9		76.2	0	23.8		
Total %	0	22.4	6.4	28.8	18.4	0	1.6	20	3.2	16.8	14.4	34.4	12.8	0	4	16.8	

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	4	0	4	3	0	0	3	0	1	3	4	2	0	2	4	15
04:45 PM	0	1	0	1	2	0	0	2	0	4	1	5	1	0	1	2	10
05:00 PM	0	2	0	2	0	0	0	0	2	0	1	3	0	0	0	0	5
05:15 PM	0	0	0	0	2	0	0	2	0	3	2	5	2	0	0	2	9
Total Volume	0	7	0	7	7	0	0	7	2	8	7	17	5	0	3	8	39
% App. Total	0	100	0		100	0	0		11.8	47.1	41.2		62.5	0	37.5		
PHF	.000	.438	.000	.438	.583	.000	.000	.583	.250	.500	.583	.850	.625	.000	.375	.500	.650

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City of Los Angeles
 N/S: Mission Road
 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	0	4	0	4	3	0	0	3	0	1	3	4	2	0	2	4
+15 mins.	0	1	0	1	2	0	0	2	0	4	1	5	1	0	1	2
+30 mins.	0	2	0	2	0	0	0	0	2	0	1	3	0	0	0	0
+45 mins.	0	0	0	0	2	0	0	2	0	3	2	5	2	0	0	2
Total Volume	0	7	0	7	7	0	0	7	2	8	7	17	5	0	3	8
% App. Total	0	100	0	100	0	0	0	0	11.8	47.1	41.2	62.5	0	37.5		
PHF	.000	.438	.000	.438	.583	.000	.000	.583	.250	.500	.583	.850	.625	.000	.375	.500

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File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
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Groups Printed- Buses

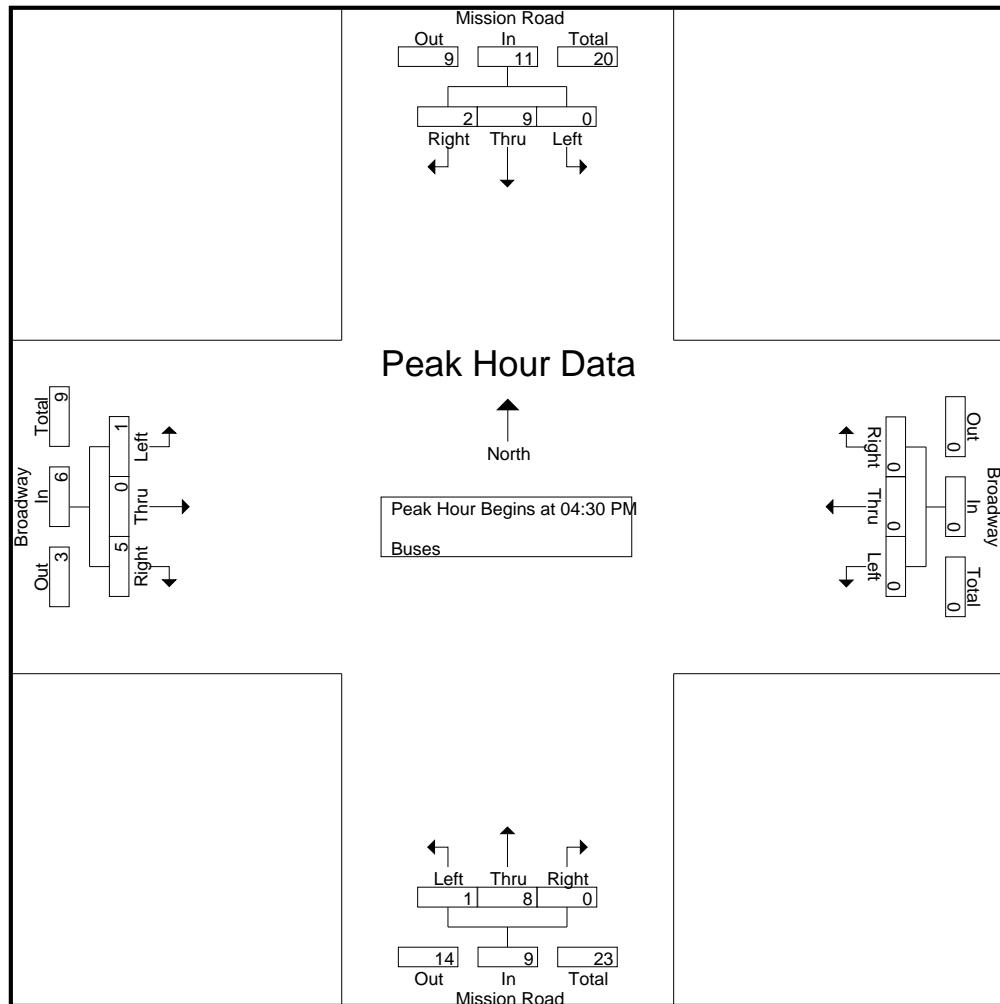
	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
03:00 PM	0	0	2	2	0	0	0	0	0	2	0	2	1	0	2	3	7
03:15 PM	0	3	0	3	0	0	0	0	0	3	0	3	0	0	1	1	7
03:30 PM	0	3	1	4	0	0	0	0	1	3	0	4	1	0	1	2	10
03:45 PM	0	1	0	1	0	0	0	0	1	4	0	5	0	0	3	3	9
Total	0	7	3	10	0	0	0	0	2	12	0	14	2	0	7	9	33
04:00 PM	0	4	3	7	0	0	0	0	0	4	0	4	0	0	2	2	13
04:15 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	1	1	3
04:30 PM	0	2	1	3	0	0	0	0	0	3	0	3	0	0	2	2	8
04:45 PM	0	2	0	2	0	0	0	0	1	1	0	2	0	0	1	1	5
Total	0	9	4	13	0	0	0	0	1	9	0	10	0	0	6	6	29
05:00 PM	0	2	0	2	0	0	0	0	0	3	0	3	0	0	0	0	5
05:15 PM	0	3	1	4	0	0	0	0	0	1	0	1	1	0	2	3	8
05:30 PM	0	1	0	1	0	0	0	0	0	3	0	3	0	0	1	1	5
05:45 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	1	1	3
Total	0	7	1	8	0	0	0	0	0	8	0	8	1	0	4	5	21
Grand Total	0	23	8	31	0	0	0	0	3	29	0	32	3	0	17	20	83
Apprch %	0	74.2	25.8		0	0	0	0	9.4	90.6	0	15	0	0	85		
Total %	0	27.7	9.6	37.3	0	0	0	0	3.6	34.9	0	38.6	3.6	0	20.5	24.1	

	Mission Road Southbound				Broadway Westbound				Mission Road Northbound				Broadway Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	0	2	1	3	0	0	0	0	0	3	0	3	0	0	2	2	8
04:45 PM	0	2	0	2	0	0	0	0	1	1	0	2	0	0	1	1	5
05:00 PM	0	2	0	2	0	0	0	0	0	3	0	3	0	0	0	0	5
05:15 PM	0	3	1	4	0	0	0	0	0	1	0	1	1	0	2	3	8
Total Volume	0	9	2	11	0	0	0	0	1	8	0	9	1	0	5	6	26
% App. Total	0	81.8	18.2		0	0	0	0	11.1	88.9	0	16.7	0	0	83.3		
PHF	.000	.750	.500	.688	.000	.000	.000	.000	.250	.667	.000	.750	.250	.000	.625	.500	.813

Counts Unlimited
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City of Los Angeles
 N/S: Mission Road
 E/W: Broadway
 Weather: Clear

File Name : 02_LAC_Mission_Broadway PM
 Site Code : 16616351
 Start Date : 3/15/2018
 Page No : 2



Peak Hour Analysis From 04:30 PM to 05:15 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:30 PM				04:30 PM				04:30 PM				04:30 PM				
+0 mins.	0	2	1	3	0	0	0	0	0	0	3	0	3	0	0	2	2
+15 mins.	0	2	0	2	0	0	0	0	0	1	1	0	2	0	0	1	1
+30 mins.	0	2	0	2	0	0	0	0	0	0	3	0	3	0	0	0	0
+45 mins.	0	3	1	4	0	0	0	0	0	1	0	1	1	0	2	3	6
Total Volume	0	9	2	11	0	0	0	0	1	8	0	9	1	0	5	6	
% App. Total	0	81.8	18.2	0	0	0	0	0	11.1	88.9	0	16.7	0	83.3			
PHF	.000	.750	.500	.688	.000	.000	.000	.000	.250	.667	.000	.750	.250	.000	.625	.500	

APPENDIX C

Intersection Analysis Data

Project										Other Development #40440										Other Development #45043										Total					
Intersection # 1										Intersection # 1										Intersection # 1															
Morning					Evening					Morning					Evening					Morning					Evening					Morning	Evening				
Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total						
Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Morning	Evening					
Northbound	Left	0%	0	0%	0	0%	0	0%	Northbound	Left	0%	0	0%	0	0%	0	0%	Northbound	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0	0				
Thru	Left	17%	2	8%	2	4	17%	3	8%	Thru	Left	0%	0	20%	4	4	0%	0	20%	Thru	Left	55%	14	0%	0	14	55%	13	0%	0	13	18	34		
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Southbound	Left	0%	0	18%	4	4	0%	0	18%	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	18%	6	6	0%	0	18%	4	4	6	4					
Thru	Left	4%	1	17%	4	5	4%	1	17%	Thru	Left	20%	15	0%	0	15	20%	8	0%	0	8	Southbound	Thru	0%	0	55%	18	18	0%	0	55%	12	12	33	20
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Eastbound	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0					
Thru	Left	0%	0	0%	0	0%	0	0%	Thru	Left	0%	0	0%	0	0%	0	0%	Thru	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Westbound	Left	9%	1	0%	0	1	9%	2	0%	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Thru	Left	0%	0	0%	0	0%	0	0%	Thru	Left	0%	0	0%	0	0%	0	0%	Thru	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Right	9%	1	0%	0	1	9%	2	0%	Right	0%	0	0%	0	0%	0	0%	Right	18%	5	0%	0	5	18%	5	0%	0	5	5	5						
Intersection # 2										Intersection # 2										Intersection # 2										Morning	Evening				
Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Inbound	Outbound	Total	Morning	Evening				
Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Trip Generation	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Percent	Trips	Morning	Evening					
Northbound	Left	0%	0	0%	0	0	0%	0	0%	Northbound	Left	0%	0	0%	0	0%	0	0%	Northbound	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0				
Thru	Left	22%	2	0%	0	2	22%	3	0%	Thru	Left	0%	0	22%	7	7	0%	0	22%	5	5	7	5	5	5	0	0	0	0	0					
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Southbound	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0					
Thru	Left	0%	0	22%	4	4	0%	0	22%	5	5	0%	0	22%	7	7	0%	0	22%	5	5	7	5	5	5	0	0	0	0	0					
Right	0%	0	33%	6	6	0%	0	33%	7	7	0%	0	33%	11	11	0%	0	33%	7	7	26	15	15	15	0	0	0	0	0	0					
Eastbound	Left	33%	2	0%	0	2	33%	4	0%	Left	0%	0	20%	4	4	0%	0	20%	21	21	Left	0%	0	33%	11	11	0%	0	33%	7	7	15	28		
Thru	Left	0%	0	0%	0	0%	0	0%	Thru	Left	0%	0	0%	0	0%	0	0%	Thru	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Westbound	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	Left	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0					
Thru	Left	0%	0	0%	0	0%	0	0%	Thru	Left	0%	0	0%	0	0%	0	0%	Thru	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				
Right	0%	0	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	Right	0%	0	0%	0	0%	0	0%	0	0%	0	0	0	0				

APPENDIX D

Intersection Analysis Worksheets

Level of Service Worksheet

(Circular 212 Method)



I/S #:	North-South Street:	Huntington Drive North			Year of Count:	2018	Ambient Growth: (%):	1	Conducted by:	Counts Unlimited		Date:	3/15/2018							
1	East-West Street:	Soto Street			Projection Year:	2021	Peak Hour:	AM	Reviewed by:	RWK		Project:	2730 North Onyx Drive							
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	4 3 0 0 0	4 3 0 0 0	NB-- EB--	0 0	SB-- WB--	0 0	NB-- EB--	0 0	SB-- WB--	0 0	4 3 0 0 0	NB-- EB--	0 0	SB-- WB--	0 0 0 0 0	4 3 0 0 0				
MOVEMENT		EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT			FUTURE CONDITION W/ PROJECT			FUTURE W/ PROJECT W/ MITIGATION						
NORTHBOUND		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	
		3	1	3	0	3	3	0	3	1	3	0	3	1	3	0	3	1	3	
		541	1	330	4	545	332	18	575	1	349	4	579	1	351	0	579	1	351	
		119	0	119	0	119	119	0	123	0	123	0	123	0	123	0	123	0	123	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTHBOUND		1011	2	556	4	1015	558	6	1048	2	576	4	1052	2	579	0	1052	2	579	
		2038	1	1022	5	2043	1025	33	2133	1	1070	5	2138	1	1072	0	2138	1	1072	
		6	0	6	0	6	6	0	6	0	6	0	6	0	6	0	6	0	6	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EASTBOUND		6	0	6	0	6	6	0	6	0	6	0	6	0	0	6	0	6	0	6
		6	0	16	0	6	16	0	6	0	16	0	6	0	16	0	6	0	16	0
		4	0	0	0	4	0	0	4	0	1	0	4	0	1	0	4	0	1	0
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND		210	0	210	1	211	211	0	216	0	216	1	217	0	217	0	217	0	217	0
		2	0	212	0	2	213	0	2	0	218	0	2	0	219	0	2	0	219	0
		587	2	45	1	588	44	5	610	2	48	1	611	2	47	0	611	2	47	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRITICAL VOLUMES		North-South: 1352		North-South: 1357		North-South: 1419		North-South: 1423		North-South: 1423		East-West: 228		East-West: 229		East-West: 235		East-West: 235		
VOLUME/CAPACITY (V/C) RATIO:		1.149		1.153		1.202		1.206		1.206		V/C LESS ATSAC/ATCS ADJUSTMENT:		1.149		1.202		1.206		
LEVEL OF SERVICE (LOS):		F		F		F		F		F		F		F		F		F		

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in v/c due to project: 0.004 Δv/c after mitigation: 0.004
 Significant impacted? NO Fully mitigated? N/A

Level of Service Worksheet

(Circular 212 Method)



I/S #:	North-South Street:	Huntington Drive North			Year of Count:	2018	Ambient Growth: (%):	1	Conducted by:	Counts Unlimited		Date:	3/15/2018								
1	East-West Street:	Soto Street			Projection Year:	2021 <th>Peak Hour:</th> <td>PM</td> <th>Reviewed by:</th> <td data-cs="2" data-kind="parent">RWK</td> <td data-kind="ghost"></td> <th>Project:</th> <td data-cs="3" data-kind="parent">2730 North Onyx Drive</td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>	Peak Hour:	PM	Reviewed by:	RWK		Project:	2730 North Onyx Drive								
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity		4 3 0 0	4 3 0 0	NB-- EB--	0 0	SB-- WB--	0 0	NB-- EB--	0 0	SB-- WB--	0 0	NB-- EB--	0 0	SB-- WB--	0 0						
MOVEMENT	EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT			FUTURE CONDITION W/ PROJECT			FUTURE W/ PROJECT W/ MITIGATION								
	Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume			
NORTHBOUND	Left	3	1	3	0	3	3	0	3	1	3	0	3	1	3	0	3	1	3		
	Left-Through		0						0	0			0	0			0	0			
	Through	1352	1	764	5	1357	767	34	1427	1	804	5	1432	1	807	0	1432	1	807		
	Through-Right		1							1	1			1	1			1	1		
	Right	176	0	176	0	176	176	0	181	0	181	0	181	0	181	0	181	0	181		
	Left-Through-Right		0							0	0			0	0			0	0		
	Left-Right		0							0	0			0	0			0	0		
SOUTHBOUND	Left	404	2	222	4	408	224	4	420	2	231	4	424	2	233	0	424	2	233		
	Left-Through		0						0	0			0	0			0	0			
	Through	519	1	264	5	524	266	20	555	1	282	5	560	1	284	0	560	1	284		
	Through-Right		1							1	1			1	1			1	1		
	Right	8	0	8	0	8	8	0	8	0	8	0	8	0	8	0	8	0	8		
	Left-Through-Right		0							0	0			0	0			0	0		
	Left-Right		0							0	0			0	0			0	0		
EASTBOUND	Left	6	0	6	0	6	6	0	6	0	6	0	6	0	6	0	6	0	6		
	Left-Through		0						0	0			0	0			0	0			
	Through	4	0	14	0	4	14	0	4	0	14	0	4	0	14	0	4	0	14		
	Through-Right		0							0	0			0	0			0	0		
	Right	4	0	0	0	4	0	0	4	0	0	0	4	0	0	0	4	0	0	0	
	Left-Through-Right		1							1	1			1	1			1	1		
	Left-Right		0							0	0			0	0			0	0		
WESTBOUND	Left	52	0	52	2	54	54	0	54	0	54	2	56	0	56	0	56	0	56		
	Left-Through		1						1	1			1	1			1	1			
	Through	2	0	54	0	2	56	0	2	0	56	0	2	0	58	0	2	0	58		
	Through-Right		0							0	0			0	0			0	0		
	Right	1244	2	573	2	1246	573	5	1287	2	593	2	1289	2	593	0	1289	2	593		
	Left-Through-Right		0							0	0			0	0			0	0		
	Left-Right		0							0	0			0	0			0	0		
CRITICAL VOLUMES		North-South:	1028	North-South:	1033	North-South:	1086	North-South:	1091	North-South:	1091	North-South:	1091	North-South:	1091	East-West:	607	East-West:	607		
		East-West:	587	East-West:	587	East-West:	607	East-West:	607	East-West:	607	East-West:	607	East-West:	607	SUM:	1620	SUM:	1693	SUM:	1698
VOLUME/CAPACITY (V/C) RATIO:			1.175		1.178		1.231		1.235		1.235		1.235		1.235						
V/C LESS ATSAC/ATCS ADJUSTMENT:			1.175		1.178		1.231		1.235		1.235		1.235		1.235						
LEVEL OF SERVICE (LOS):			F		F		F		F		F		F		F						

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in v/c due to project: 0.004 Δv/c after mitigation: 0.004
 Significant impacted? NO Fully mitigated? N/A



REMARKS:

Version: 1i Beta: 8/4/2011

PROJECT IMPACT

Change in v/c due to project:	0.006	Δv/c after mitigation:	0.006
Significant impacted?	NO	Fully mitigated?	N/A

Level of Service Worksheet

(Circular 212 Method)



I/S #:	North-South Street:	North Mission Road			Year of Count:	2018	Ambient Growth: (%):	1	Conducted by:	Counts Unlimited		Date:	3/15/2018							
2	East-West Street:	North Broadway			Projection Year:	2021	Peak Hour:	PM	Reviewed by:	RWK		Project:	2730 North Onyx Drive							
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB-- EB--	0 0	SB-- WB--	2 0	3 3	NB-- EB--	0 0	SB-- WB--	2 0	3 0	NB-- EB--	0 0	SB-- WB--	2 0	3 0					
MOVEMENT	EXISTING CONDITION			EXISTING PLUS PROJECT			FUTURE CONDITION W/O PROJECT			FUTURE CONDITION W/ PROJECT			FUTURE W/ PROJECT W/ MITIGATION							
	Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume		
NORTHBOUND	Left	52	1	52	0	52	52	0	54	1	54	0	54	1	54	0	54	1	54	
	Left-Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Through	816	1	415	3	819	416	5	846	1	430	3	849	1	431	0	849	1	431	
	Through-Right	1	1	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	
	Right	13	0	13	0	13	13	0	13	0	13	0	13	0	13	0	13	0	13	
	Left-Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Left-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTHBOUND	Left	8	1	8	0	8	8	0	8	1	8	0	8	1	8	0	8	1	8	
	Left-Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Through	267	2	134	5	272	136	5	280	2	140	5	285	2	143	0	285	2	143	
	Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Right	378	1	378	7	385	385	15	404	1	404	7	411	1	411	0	411	1	411	
	Left-Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EASTBOUND	Left	588	1	299	4	592	301	28	634	1	322	4	638	1	324	0	638	1	324	
	Left-Through	1	1	299	0	9	301	0	9	0	322	0	9	0	324	0	9	0	324	
	Through	9	0	299	0	9	301	0	9	0	322	0	9	0	324	0	9	0	324	
	Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Right	38	1	12	0	38	12	0	39	1	12	0	39	1	12	0	39	1	12	
	Left-Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WESTBOUND	Left	12	0	12	0	12	12	0	12	0	12	0	12	0	12	0	12	0	12	
	Left-Through	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Through	9	0	37	0	9	37	0	9	0	37	0	9	0	37	0	9	0	37	
	Through-Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Right	16	0	0	0	16	0	0	16	0	0	0	16	0	0	0	16	0	0	
	Left-Through-Right	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
CRITICAL VOLUMES			North-South:	793	North-South:	801	North-South:	834	North-South:	842	North-South:	842	North-South:	842	North-South:	842	North-South:	842	North-South:	842
			East-West:	336	East-West:	338	East-West:	359	East-West:	361	East-West:	361	East-West:	361	East-West:	361	East-West:	361	East-West:	361
			SUM:	1129	SUM:	1139	SUM:	1193	SUM:	1203	SUM:	1203	SUM:	1203	SUM:	1203	SUM:	1203	SUM:	1203
VOLUME/CAPACITY (V/C) RATIO:				0.792		0.799		0.837		0.844		0.844		0.844		0.844		0.844		0.844
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.792		0.799		0.837		0.844		0.844		0.844		0.844		0.844		0.844
LEVEL OF SERVICE (LOS):				C		C		D		D		D		D		D		D		

REMARKS:

Version: 1i Beta; 8/4/2011

PROJECT IMPACT

Change in v/c due to project: 0.007 Δv/c after mitigation: 0.007
 Significant impacted? NO Fully mitigated? N/A