Appendix 6.17-3: Transportation Assessment Scope of Work

Kimley»Horn

TECHNICAL MEMORANDUM

To: Amanda Acuna and Lisa Kranitz, City of Gardena

From: Rajat Parashar, Kimley-Horn and Associates, Inc.

Date: July 22, 2023

Subject: **Transportation Assessment Scope of Work for 1610 W Artesia Boulevard Project Peer Review**

Kimley-Horn has conducted a follow-up third-party peer review of the Project's Transportation Assessment Scoping Agreement on behalf of the City of Gardena to verify that Kimley-Horn's July 19, 2023 third-party peer review recommendations have been incorporated. The revised July 2023 Transportation Assessment Scope of Work addressed the third-party peer review comments. The analysis, as revised, meets the applicable provisions of CEQA and the State CEQA Guidelines and is adequate for inclusion in the Project SCEA.

Please do not hesitate to contact Rajat Parashar at 565-549-2159 or rajat.parashar@kimley-horn.com with any questions.

MEMORANDUM

To:	Amanda Acuna City of Gardena Planning Department	Date:	July 21, 2023
From:	Francesca S. Bravo Linscott, Law & Greenspan, Engineers	LLG Ref:	1-23-4536-1
Subject:	TPG 1610 Artesia Project – Transportation Assessment Scope of Work		

LINSCOTT LAW & GREENSPAN engineers

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Linscott, Law & Greenspan, Engineers (LLG) is pleased to submit the following Transportation Assessment Scope of Work for the TPG 1610 Artesia Project for your review and approval.

Transportation Assessment Scope of Work

A. Project Location: The 3.43-acre project site is located at 1610 West Artesia Boulevard situated along the south side of Artesia Boulevard, east of Western Avenue (APN 6106-013-049). The project site is currently occupied by two, one-story commercial buildings totaling approximately 39,510 square feet and a surface parking lot. Of the existing total square footage, approximately 31,010 is currently active and operational with auto repair stores while the remaining 8,500 square feet is vacant, which was formerly occupied by a car wash/detail center. All structures will be removed to accommodate the proposed project. See attached ***Figure 1-1, Vicinity Map***.

B. Project Description: The proposed project consists of the development of a 6-story, podium apartment building comprised of 300 residential units including 283 market rate units and 17 affordable (very low income) units. Vehicular access is planned to be provided via a single driveway on Artesia Boulevard. A total of 543 parking spaces is planned to be provided on-site. The project build-out and occupancy year is anticipated by the year 2026. See attached ***Figure 2-2 – Site Plan***.

C. Project Traffic Generation: In order to determine the existing site traffic generation, weekday manual peak hour turning movement traffic counts were conducted at the existing site. Through the conduct of these counts, the number of existing vehicle trips entering and exiting the site on a daily basis as well as during the peak hours can be determined. The traffic count data for the three site driveways was compiled, reviewed and analyzed to determine the highest daily and one hour period of traffic volume at the site during both the weekday morning and afternoon periods. The peak hour traffic generation associated with the existing uses are presented below:

- Daily: 822 vehicle trips (292 inbound trips and 530 outbound trips)
- AM peak hour: 51 vehicle trips (30 inbound trips and 21 outbound trips)
- PM peak hour: 80 vehicle trips (29 inbound trips and 51 outbound trips)

Traffic volumes to be generated by the proposed project were forecast for the weekday AM and PM peak hours, and over a 24-hour period. Trip generation rates provided in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*[1] were utilized to forecast project traffic generation for the proposed project. ITE Land Use Code 221 (Multi-Family Housing Mid-Rise]) and ITE Land Use Code 223 (Affordable Housing) trip generation rates were used to forecast the traffic volumes expected to be generated by the proposed residential units.

The trip generation forecast for the proposed project is summarized in ***Table 2-1***. As presented in *Table 2-1*, the proposed project is expected to generate 60 net new vehicle trips (4 fewer inbound trips and 64 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the proposed project is expected to generate 38 net new vehicle trips (43 inbound trips and 5 fewer outbound trips). Over a 24-hour period, the proposed project is forecast to generate 545 net daily trip ends during a typical weekday (273 inbound trips and 273 outbound trips).

D. Project Trip Distribution Pattern: Project traffic volumes both entering and exiting the site will be distributed and assigned to the adjacent street system based on the site's proximity to major traffic corridors, existing intersection traffic volumes, and ingress/egress scheme planned for the proposed project. See attached ***Figure 7-1 – Project Trip Distribution***.

E. VMT Assessment: The State of California Governor's Office of Planning and Research (OPR) issued proposed updates to the CEQA guidelines in November 2017 and an accompanying technical advisory guidance finalized in December 2018 (*OPR Technical Advisory*) that amends the Appendix G question for transportation impacts to delete reference to vehicle delay and level of service and instead refer to Section 15064.3, subdivision (b)(1) of the CEQA Guidelines asking if the project will result in a substantial increase in vehicle miles traveled (VMT). The California Natural Resources Agency certified and adopted the CEQA Guidelines in December of 2018, and as of July 1, 2020 the provisions of the new section are in effect statewide. Concurrently, OPR developed the *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018), which provides non-binding recommendations on the implementation of VMT methodology which has significantly informed the way VMT analyses are conducted in the State. Accordingly, for the purpose of environmental review under CEQA, the City of Gardena has established criteria for transportation impacts based on VMT for land use projects and plans which is generally consistent with the recommendations provided by OPR in the *Technical Advisory*.

Consistent with the recommendations provided by the Governor's Office of Planning and Research (OPR) in the "Technical Advisory on Evaluating

[1] Institute of Transportation Engineers *Trip Generation Manual*, 11th Edition, Washington, D.C., 2021.

Transportation Impacts in CEQA" (December 2018), the City's Guidelines recognize three screening criteria which may be applied to screen proposed projects out of detailed VMT analysis. The guidelines provide the following three (3) types of potential screening criteria that may be applied to screen projects from project-level assessment:

- Project Size Screening
- Low VMT Area Screening
- Transit Priority Area (TPA) Screening

Proposed projects are not required to satisfy all of the screening criteria in order to screen out of further VMT analysis; satisfaction of one criterion is sufficient for screening purposes. Projects, or project components, which are screened out of detailed VMT assessment based on these criteria are presumed to have less than significant transportation impacts.

Based on a review of the project's development program, size, and other pertinent factors, it was determined that the City's screening criteria may be applied to the proposed project. Specifically, the "Low VMT Area Screening" screening criterion is applicable to the proposed project.

Low VMT Area Screening Criteria

As outlined in the City's guidelines, residential and office development projects located within a low VMT-generating area may be presumed to have a less than significant impact absent any substantial evidence to the contrary. Other employment-related and mixed-use land use projects may also qualify for the screening if the project can reasonably be expected to generate VMT per resident, per worker or per service population that is similar to the existing land uses in the low VMT-generating area.

Low VMT areas for residential projects are defined as traffic analysis zones (TAZs) that generate VMT on a per capita basis that is at least 15% lower than the regional average. The SCAG travel demand model was used to establish VMT performance Citywide and for individual TAZs. The VMT metrics for the City of Gardena are then compared to the SCAG regional average. As noted in the City's Guidelines, the average Home-Based VMT per capita in the City is more than 20% below the regional average.

The City's low VMT area map for residential projects is contained in the ***Appendix***. As shown on the map, the Project is located in an area that is more than 15% below the baseline regional average. Thus, the Project satisfies the low VMT area screening criteria and therefore screens out of VMT analysis. A separate VMT screening memorandum will be prepared for the project for review and approval.

F. Local Transportation Assessment: The purpose of the Local Transportation Assessment is to provide an additional transportation-focused project review for the City of Gardena. The level of analysis and methodology required is dependent upon the project size and scope. As outlined in the City's Guidelines, all development projects requiring discretionary review/approval by the City require a memorandum summarizing project trip generation and assignment. The guidelines provide the following three (3) categories for determination of the level of analysis that may be required for the project:

- Projects Generating Less Than 20 Peak Hour Trips: Project Trip Generation and Assignment
- Projects Generating 20-49 Peak Hour Trips: Cumulative Projects Review
- Projects Generating 50+ Peak Hour Trips: Study Area

As shown in *Table 2-1*, the proposed project is expected to generate 60 net new vehicle trips (4 fewer inbound trips and 64 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the proposed project is expected to generate 38 net new vehicle trips (43 inbound trips and 5 fewer outbound trips). The proposed project is expected to generate between 50+ peak hour trips and according to the City's Guidelines, a Local Transportation Assessment would be required for the project.

Intersection Analysis

The following three (3) locations have been identified for operational evaluation. See attached *Figure 1-1 –Vicinity Map.*

1. Western Avenue/Artesia Boulevard (City of Torrance)
2. Dalton Avenue/Artesia Boulevard (City of Gardena)
3. Normandie Avenue/Artesia Boulevard (City of Gardena)
4. Project Driveway/Artesia Boulevard (City of Gardena)

Level of Service calculations will be prepared for the study locations for the weekday AM and PM peak hour conditions for the following scenarios:

- Existing Conditions
- Future Cumulative Opening Year Without Project Conditions
- Future Cumulative Opening Year With Project Conditions

Utilize City approved capacity analysis methodologies (i.e., Highway Capacity Manual method, Intersection Capacity Utilization method, etc.) for the Level of Service calculations. Each study intersection will be evaluated for potential

effects using the intersection criteria utilized in the jurisdiction of the intersection (e.g., study intersections in the City of Gardena will be evaluated using the criteria of the City of Gardena, etc.).

City of Gardena's Intersection Analysis Criteria:

- To the extent feasible, maintain traffic flows at nonresidential, signalized intersections at LOS E during peak rush hours.
- To the extent feasible, maintain traffic flows at residential signalized intersections at LOS D during peak rush hours.

CITY OF TORRANCE INTERSECTION ANALYSIS CRITERIA		
Pre-Project *v/c*	**Level of Service**	**Project Related Increase in *v/c***
≥ 0.71 - 0.80	C	equal to or greater than 0.04
≥ 0.81 - 0.90	D	equal to or greater than 0.02
≥ 0.91 or more	E/F	equal to or greater than 0.01

Left-Turn Queuing Analysis

In addition, westbound left-turn queuing during the peak hours will be reviewed at the Project Driveway/Artesia Boulevard intersection.

Pending your review of the above information, we will proceed with the transportation assessment. Please feel free to contact us at 626.796.2322 if you have any questions, comments, or suggested revisions regarding the above. Thank you.

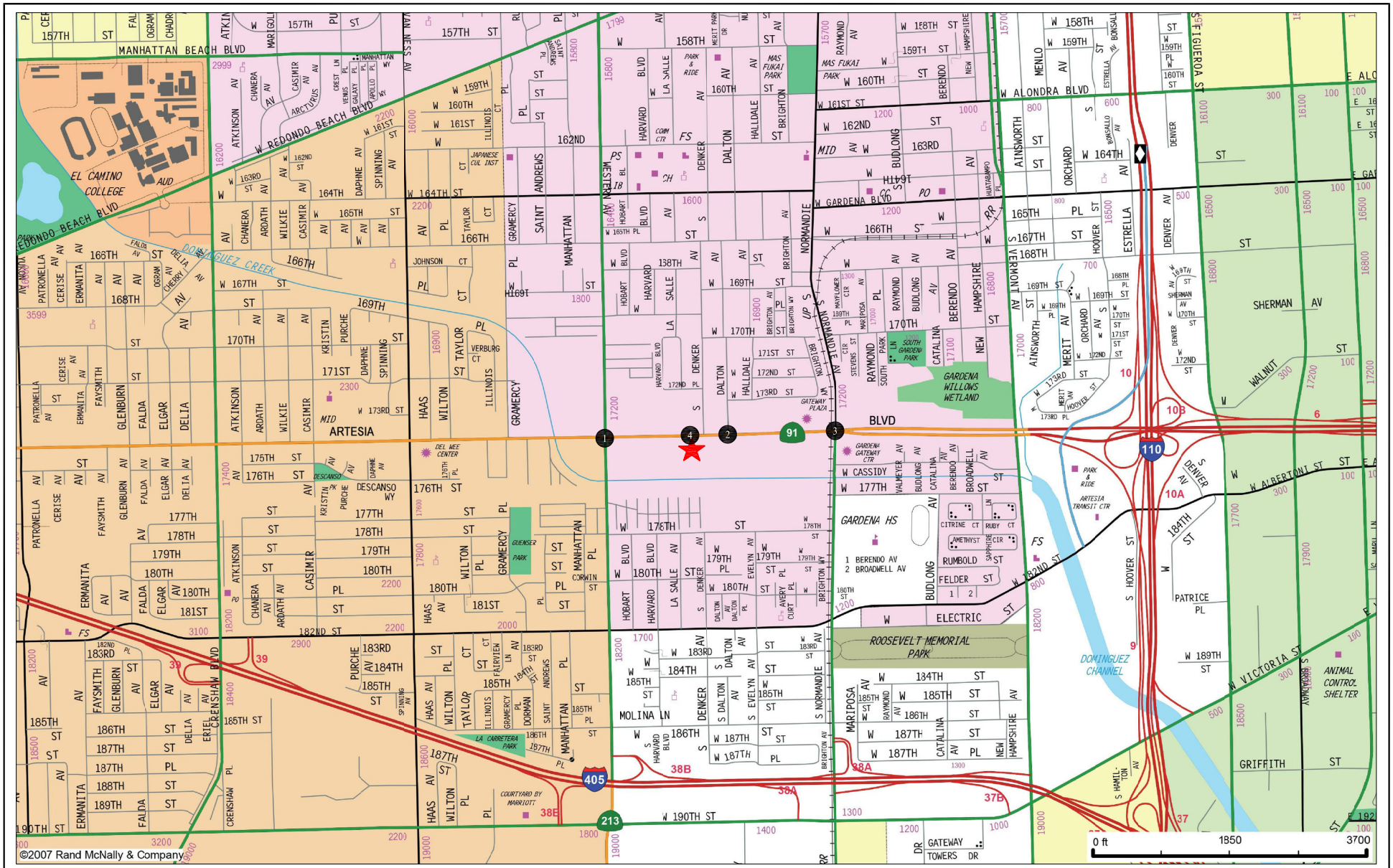
Approved by:

_____ _____

City of Gardena Date

Attachments

c: File



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MAP SOURCE: RAND MCNALLY & COMPANY

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LINSCOTT LAW & GREENSPAN engineers

★ Project Site

(XX) Study Locations

Figure 1-1
Vicinity Map

TPG 1610 Artesia Project

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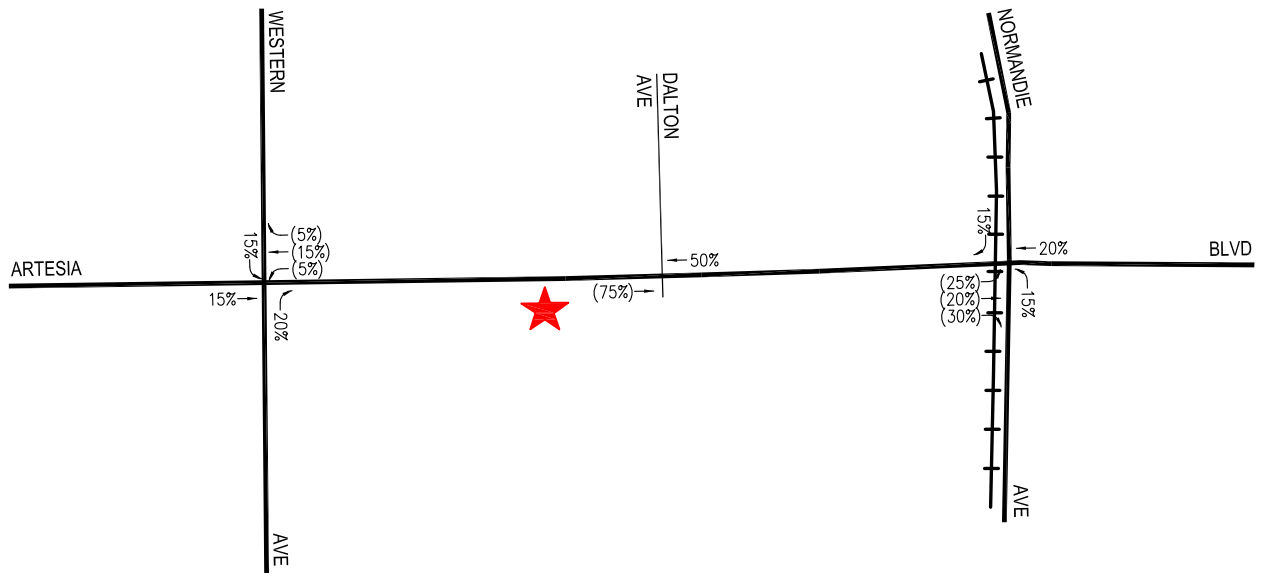
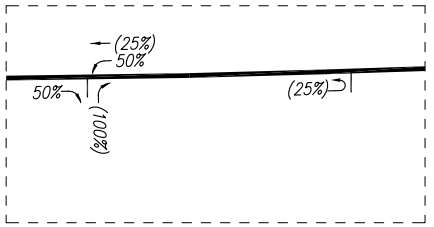
MAP SOURCE: TCA ARCHITECT

Figure 2-2
Conceptual Site Plan





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Project Site

XX = Inbound Percentage

(XX) = Outbound Percentage

Figure 7-1
Project Trip Distribution

Table 2-1
PROJECT TRIP GENERATION FORECAST

TRIP GENERATION RATES [1]									
	ITE LAND USE		WEEKDAY	WEEKDAY AM PEAK HOUR			WEEKDAY PM PEAK HOUR		
ITE LAND USE CATEGORY	CODE	VARIABLE	DAILY	IN (%)	OUT (%)	TOTAL	IN (%)	OUT (%)	TOTAL
Multifamily Housing (Mid Rise) Not Close to Rail Transit	221	Per Dwelling Unit	4.54	23%	77%	0.37	61%	39%	0.39
Affordable Housing - Income Limits	223	Per Dwelling Unit	4.81	29%	71%	0.36	59%	41%	0.46

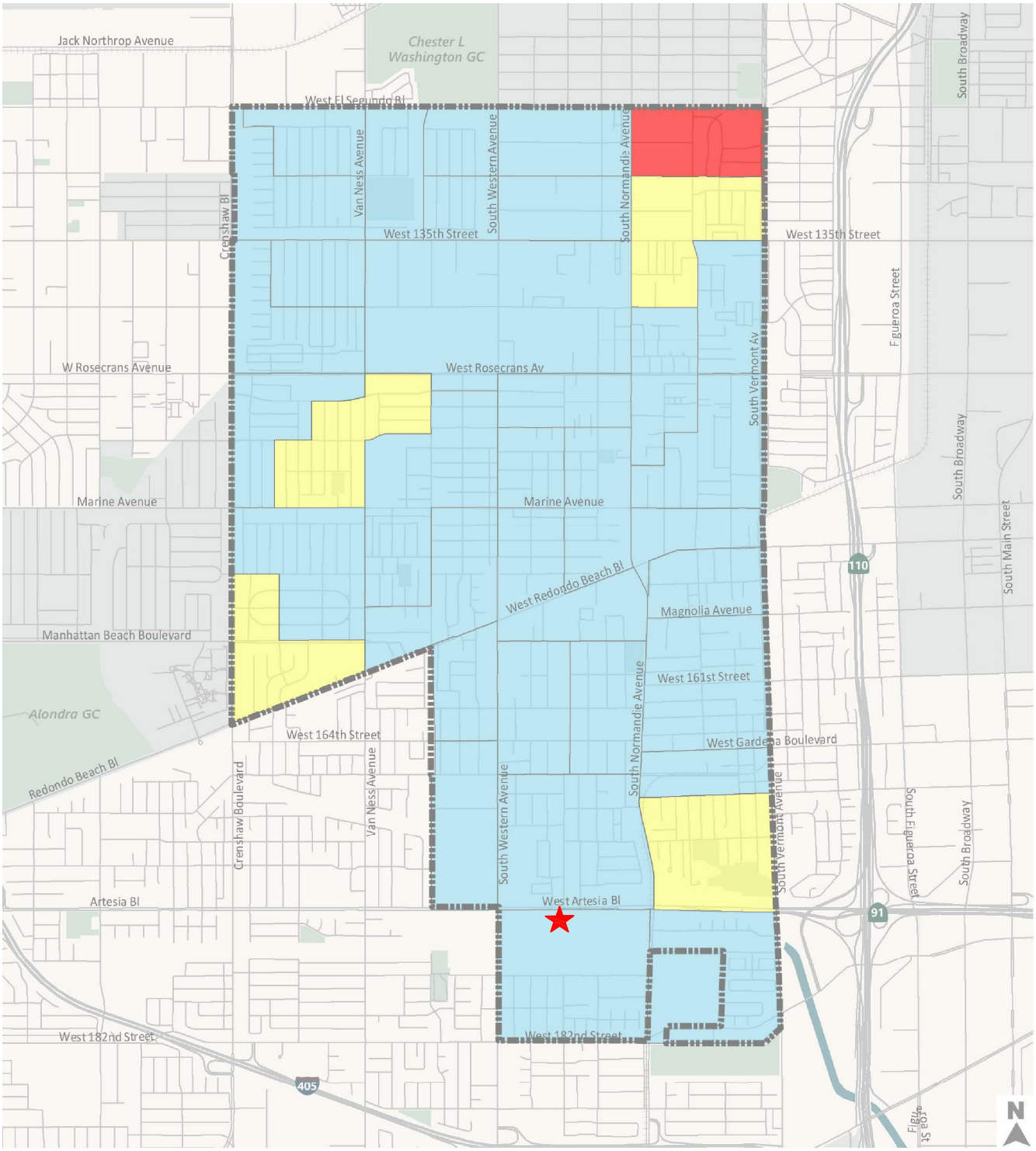
PROJECT TRIP GENERATION FORECAST									
	ITE LAND USE		DAILY TRIP ENDS [2]	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
LAND USE	CODE	SIZE	VOLUMES	IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project									
Apartment	221	283 DU	1,285	24	81	105	67	43	110
Affordable Housing	223	17 DU	82	2	4	6	5	3	8
Subtotal Proposed Project			***1,367***	***26***	***85***	***111***	***72***	***46***	***118***
Existing Uses									
Automobile Care Center [3]	942	(31,510) GSF	(822)	(30)	(21)	(51)	(29)	(51)	(80)
Subtotal Existing Uses			***(822)***	***(30)***	***(21)***	***(51)***	***(29)***	***(51)***	***(80)***
NET NEW PROJECT TRIPS			***545***	***(4)***	***64***	***60***	***43***	***(5)***	***38***

[1] Source: ITE "Trip Generation Manual", 11th Edition, 2021.
[2] Trips are one-way traffic movements, entering or leaving.
[3] Based on traffic counts conducted at the existing site driveways on May 2023.

APPENDIX

CITY OF GARDENA LOW VMT AREA MAP

TRAFFIC COUNT DATA



- <-15% below SCAG Regional Average
- 0 to -15% below SCAG Regional Average
- Higher than SCAG Regional Average

MAP SOURCE: SCAG

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Project Site

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Appendix Figure
SCAG Model (2012)
Daily Residential Home Based VMT per Capita Residential Projects

TPG 1610 Artesia Project

CITY TRAFFIC COUNTERS

WWW.CTCOUNTERS.COM

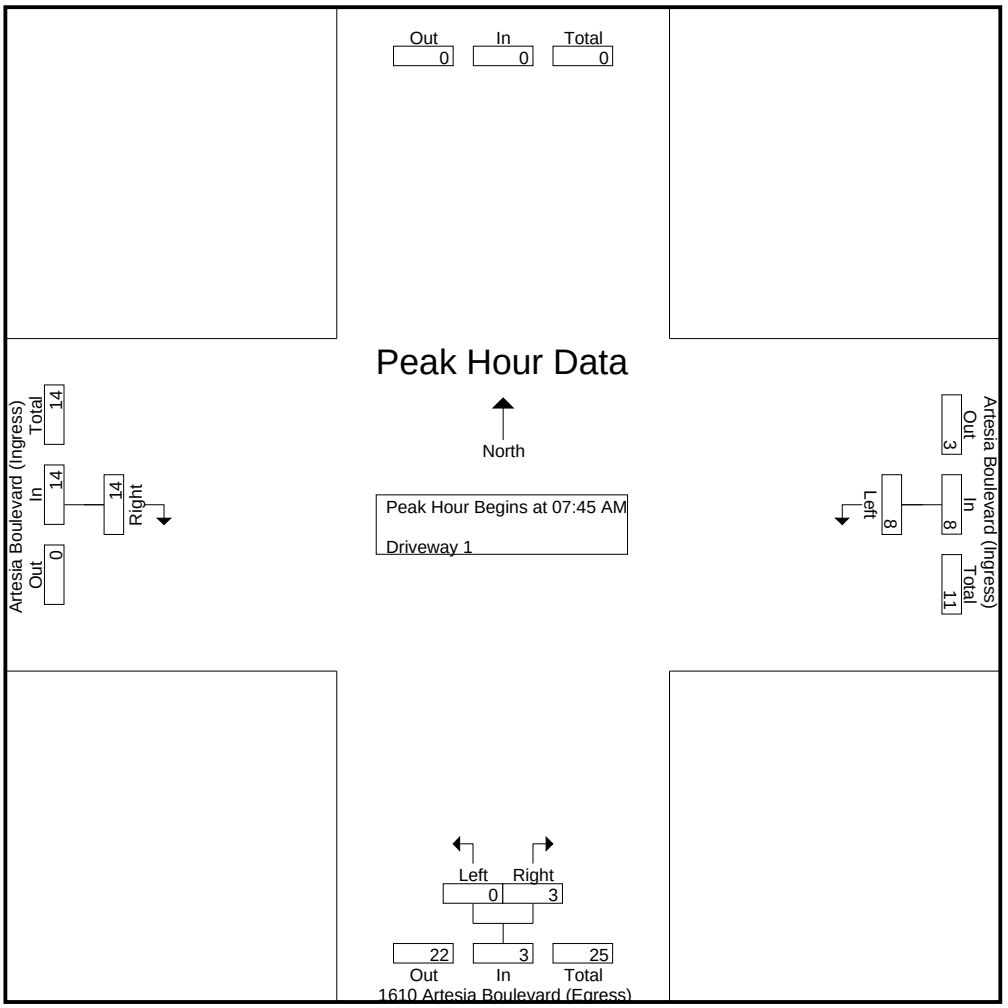
File Name : 1610ArtesiaBlvd_Driveway1
Site Code : 00000000
Start Date : 5/25/2023
Page No : 1

Groups Printed- Driveway 1

	Artesia Boulevard (Ingress) Westbound	1610 Artesia Boulevard (Egress) Northbound		Artesia Boulevard (Ingress) Eastbound	
Start Time	Left	Left	Right	Right	Int. Total
07:00 AM	5	0	1	0	6
07:15 AM	3	0	1	0	4
07:30 AM	0	0	0	1	1
07:45 AM	2	0	1	5	8
Total	10	0	3	6	19
08:00 AM	2	0	0	2	4
08:15 AM	2	0	0	4	6
08:30 AM	2	0	2	3	7
08:45 AM	3	0	0	3	6
Total	9	0	2	12	23
04:00 PM	4	0	1	1	6
04:15 PM	4	0	1	1	6
04:30 PM	3	0	5	1	9
04:45 PM	3	0	2	2	7
Total	14	0	9	5	28
05:00 PM	9	0	2	1	12
05:15 PM	2	0	2	3	7
05:30 PM	2	0	1	0	3
05:45 PM	0	0	0	2	2
Total	13	0	5	6	24
Grand Total	46	0	19	29	94
Apprch %	100	0	100	100	
Total %	48.9	0	20.2	30.9	

File Name : 1610ArtesiaBlvd_Driveway1
Site Code : 00000000
Start Date : 5/25/2023
Page No : 2

	Southbound	Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound			Artesia Boulevard (Ingress) Eastbound		
Start Time	App. Total	Left	App. Total	Left	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 07:45 AM									
07:45 AM	0	**2**	**2**	0	1	1	**5**	**5**	**8**
08:00 AM	0	2	2	0	0	0	2	2	4
08:15 AM	0	2	2	0	0	0	4	4	6
08:30 AM	0	2	2	0	**2**	**2**	3	3	7
Total Volume	0	8	8	0	3	3	14	14	25
% App. Total		100		0	100		100		
PHF	.000	1.00	1.00	.000	.375	.375	.700	.700	.781

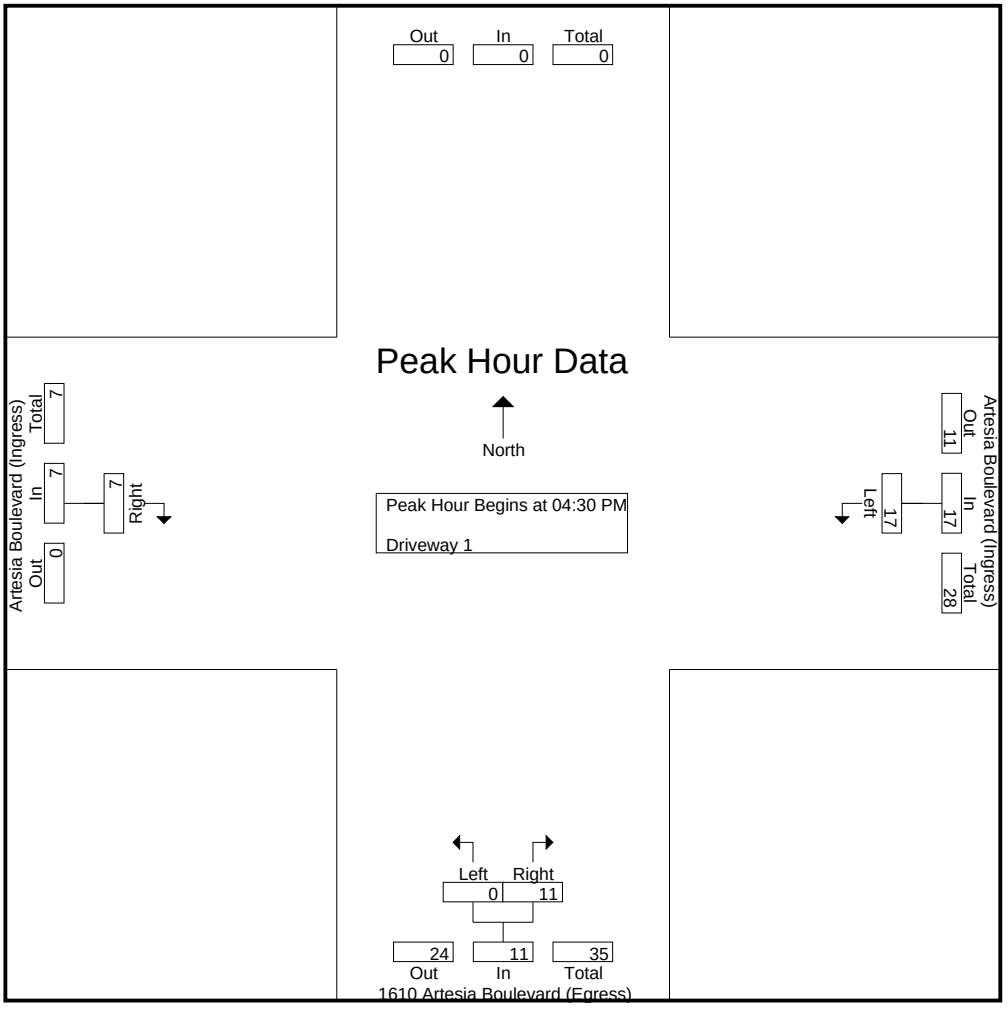


CITY TRAFFIC COUNTERS

WWW.CTCOUNTERS.COM

File Name : 1610ArtesiaBlvd_Driveway1
Site Code : 00000000
Start Date : 5/25/2023
Page No : 3

	Southbound	Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound			Artesia Boulevard (Ingress) Eastbound		
Start Time	App. Total	Left	App. Total	Left	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1									
Peak Hour for Entire Intersection Begins at 04:30 PM									
04:30 PM	0	3	3	0	**5**	**5**	1	1	9
04:45 PM	0	3	3	0	2	2	2	2	7
05:00 PM	0	**9**	**9**	0	2	2	1	1	**12**
05:15 PM	0	2	2	0	2	2	**3**	**3**	7
Total Volume	0	17	17	0	11	11	7	7	35
% App. Total		100		0	100		100		
PHF	.000	.472	.472	.000	.550	.550	.583	.583	.729



CITY TRAFFIC COUNTERS

WWW.CTCOUNTERS.COM

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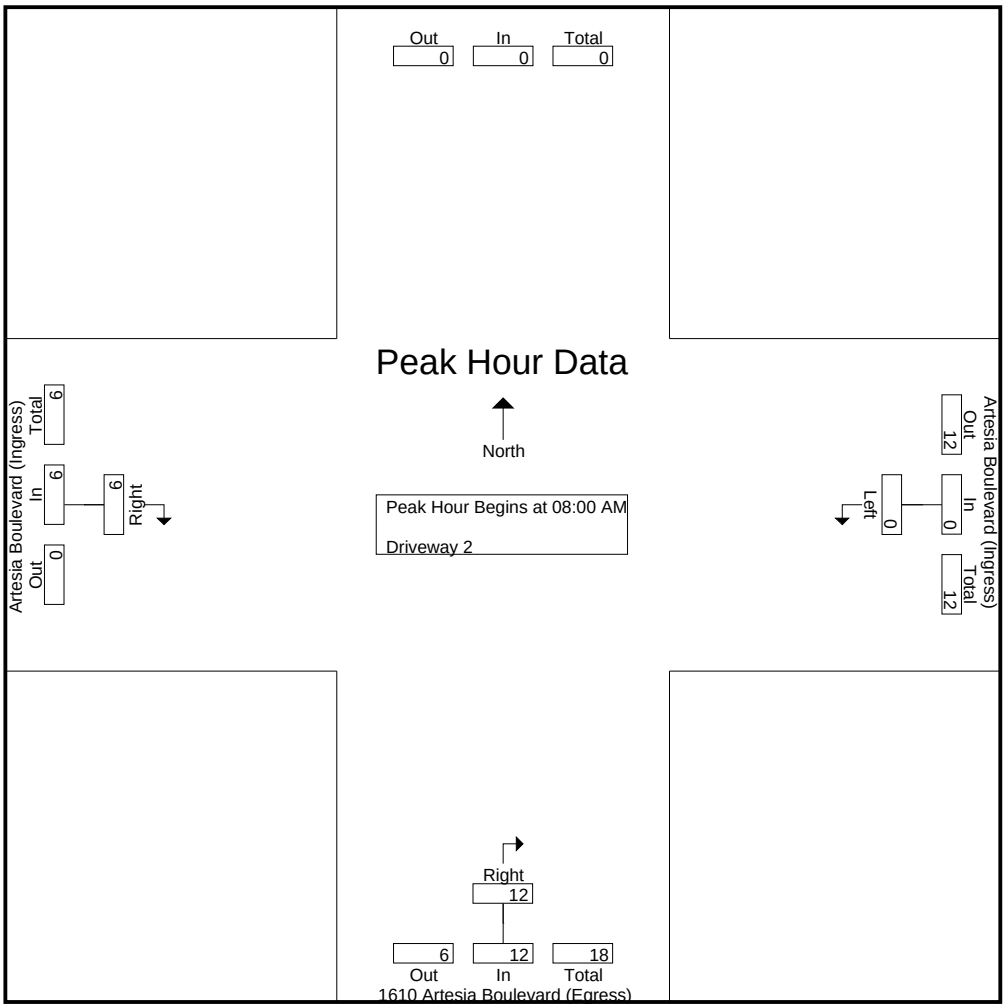
Site Code : 00000000
Start Date : 5/25/2023
Page No : 1

Groups Printed- Driveway 2

	Artesia Boulevard (Ingress) Westbound	1610 Artesia Boulevard (Egress) Northbound	Artesia Boulevard (Ingress) Eastbound	
Start Time	Left	Right	Right	Int. Total
07:30 AM	0	0	1	1
07:45 AM	0	2	0	2
Total	0	2	1	3
08:00 AM	0	0	2	2
08:15 AM	0	3	1	4
08:30 AM	0	3	2	5
08:45 AM	0	6	1	7
Total	0	12	6	18
04:00 PM	0	8	3	11
04:15 PM	0	5	3	8
04:30 PM	0	5	2	7
04:45 PM	0	2	2	4
Total	0	20	10	30
05:00 PM	0	11	0	11
05:15 PM	0	8	1	9
05:30 PM	0	5	0	5
05:45 PM	0	7	0	7
Total	0	31	1	32
Grand Total	0	65	18	83
Apprch %	0	100	100	
Total %	0	78.3	21.7	

File Name : 1610ArtesiaBlvd_Driveway2
Site Code : 00000000
Start Date : 5/25/2023
Page No : 2

	Southbound	Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound		Artesia Boulevard (Ingress) Eastbound		
Start Time	App. Total	Left	App. Total	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1								
Peak Hour for Entire Intersection Begins at 08:00 AM								
08:00 AM	0	0	0	0	0	**2**	**2**	2
08:15 AM	0	0	0	3	3	1	1	4
08:30 AM	0	0	0	3	3	2	2	5
08:45 AM	0	0	0	**6**	**6**	1	1	**7**
Total Volume	0	0	0	12	12	6	6	18
% App. Total		0		100		100		
PHF	.000	.000	.000	.500	.500	.750	.750	.643

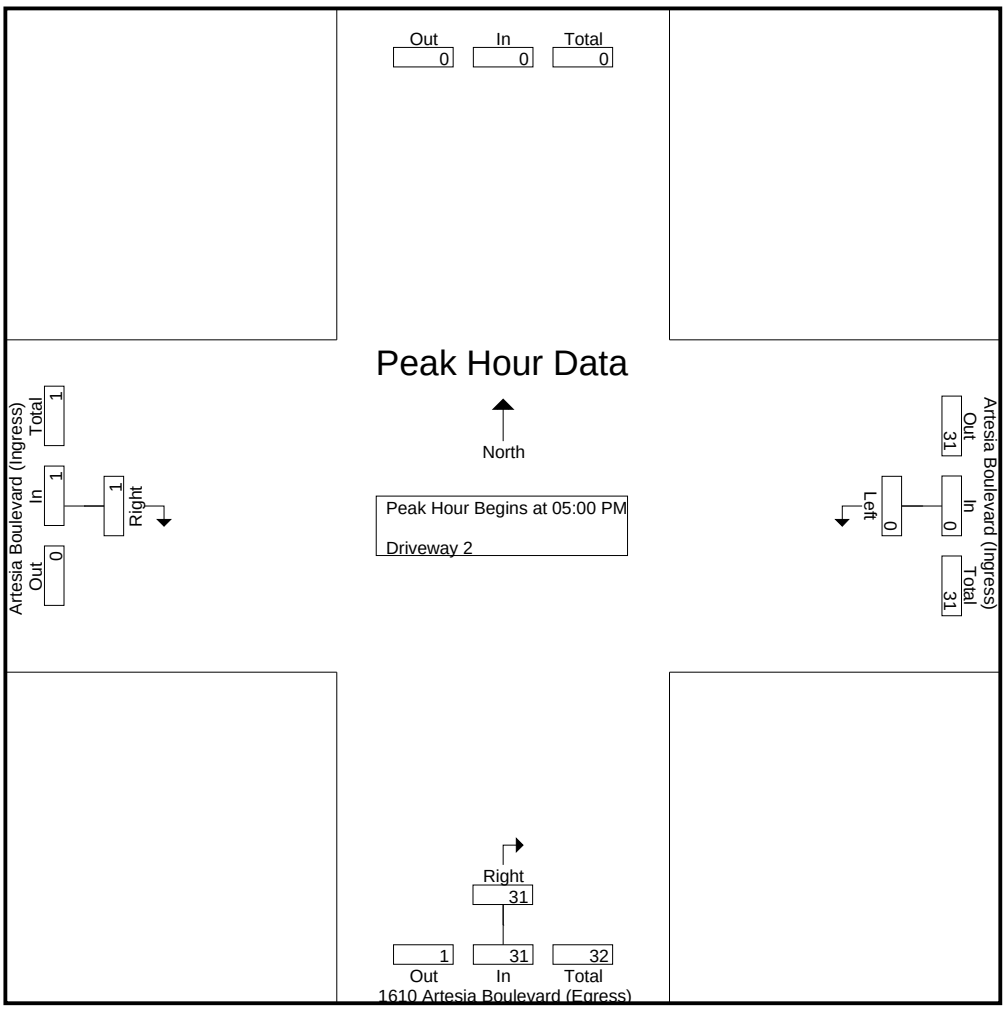


CITY TRAFFIC COUNTERS

WWW.CTCOUNTERS.COM

File Name : 1610ArtesiaBlvd_Driveway2
Site Code : 00000000
Start Date : 5/25/2023
Page No : 3

	Southbound	Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound		Artesia Boulevard (Ingress) Eastbound		
Start Time	App. Total	Left	App. Total	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1								
Peak Hour for Entire Intersection Begins at 05:00 PM								
05:00 PM	0	0	0	**11**	**11**	0	0	**11**
05:15 PM	0	0	0	8	8	**1**	**1**	9
05:30 PM	0	0	0	5	5	0	0	5
05:45 PM	0	0	0	7	7	0	0	7
Total Volume	0	0	0	31	31	1	1	32
% App. Total		0		100		100		
PHF	.000	.000	.000	.705	.705	.250	.250	.727



CITY TRAFFIC COUNTERS

WWW.CTCOUNTERS.COM

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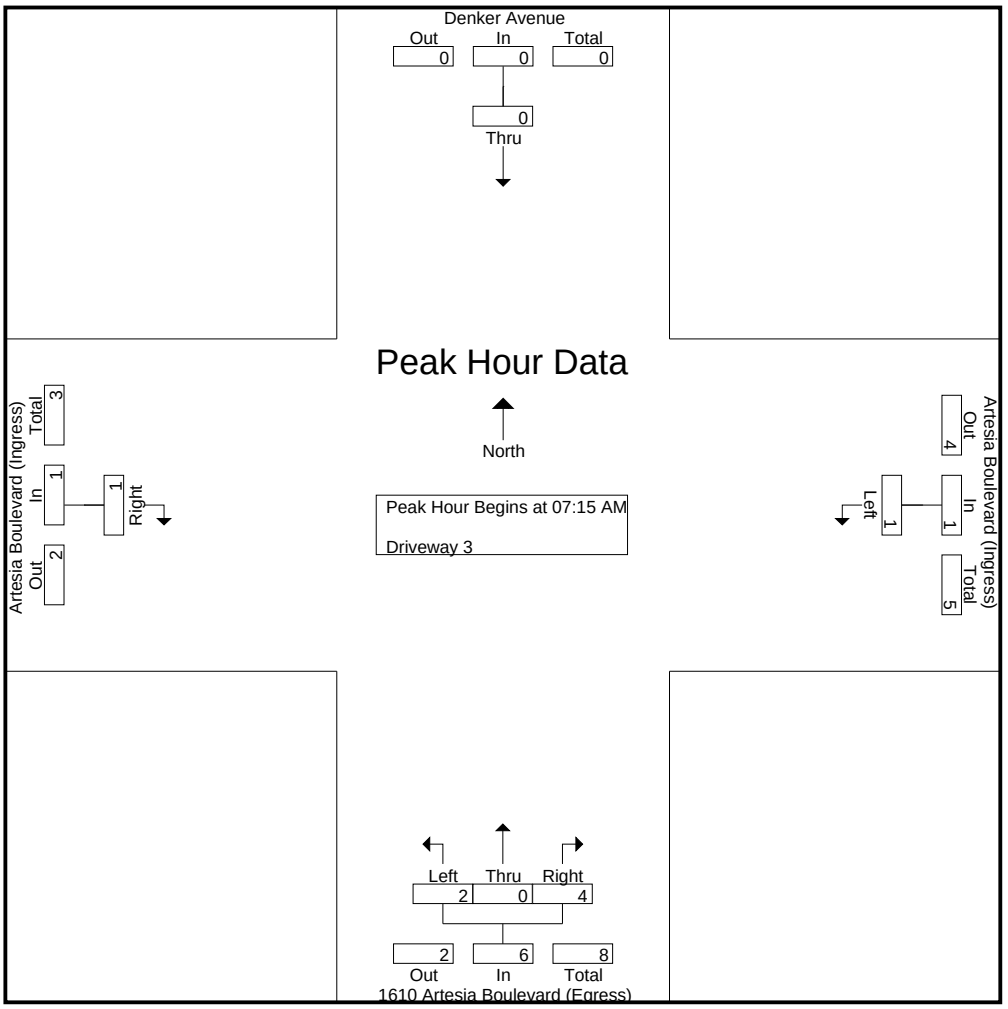
Site Code : 00000000
Start Date : 5/25/2023
Page No : 1

Groups Printed- Driveway 3

	Denker Avenue Southbound	Artesia Boulevard (Ingress) Westbound	1610 Artesia Boulevard (Egress) Northbound			Artesia Boulevard (Ingress) Eastbound	
Start Time	Thru	Left	Left	Thru	Right	Right	Int. Total
07:00 AM	0	1	0	0	0	0	1
07:15 AM	0	1	0	0	2	0	3
07:30 AM	0	0	0	0	1	0	1
07:45 AM	0	0	0	0	0	1	1
Total	0	2	0	0	3	1	6
08:00 AM	0	0	2	0	1	0	3
08:15 AM	0	0	0	0	1	0	1
08:30 AM	0	0	0	0	1	0	1
08:45 AM	0	0	0	0	1	0	1
Total	0	0	2	0	4	0	6
04:00 PM	0	2	0	0	1	0	3
04:15 PM	0	0	1	0	1	1	3
04:30 PM	0	0	0	0	3	0	3
04:45 PM	0	1	0	0	3	0	4
Total	0	3	1	0	8	1	13
05:00 PM	0	0	1	0	2	0	3
05:15 PM	0	0	0	0	2	0	2
05:30 PM	0	0	0	0	1	1	2
05:45 PM	0	0	0	0	3	1	4
Total	0	0	1	0	8	2	11
Grand Total	0	5	4	0	23	4	36
Apprch %	0	100	14.8	0	85.2	100	
Total %	0	13.9	11.1	0	63.9	11.1	

File Name : 1610ArtesiaBlvd_Driveway3
Site Code : 00000000
Start Date : 5/25/2023
Page No : 2

	Denker Avenue Southbound		Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound				Artesia Boulevard (Ingress) Eastbound		
Start Time	Thru	App. Total	Left	App. Total	Left	Thru	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 07:15 AM											
07:15 AM	0	0	**1**	**1**	0	0	**2**	2	0	0	**3**
07:30 AM	0	0	0	0	0	0	1	1	0	0	1
07:45 AM	0	0	0	0	0	0	0	0	**1**	**1**	1
08:00 AM	0	0	0	0	**2**	0	1	**3**	0	0	3
Total Volume	0	0	1	1	2	0	4	6	1	1	8
% App. Total	0		100		33.3	0	66.7		100		
PHF	.000	.000	.250	.250	.250	.000	.500	.500	.250	.250	.667



CITY TRAFFIC COUNTERS

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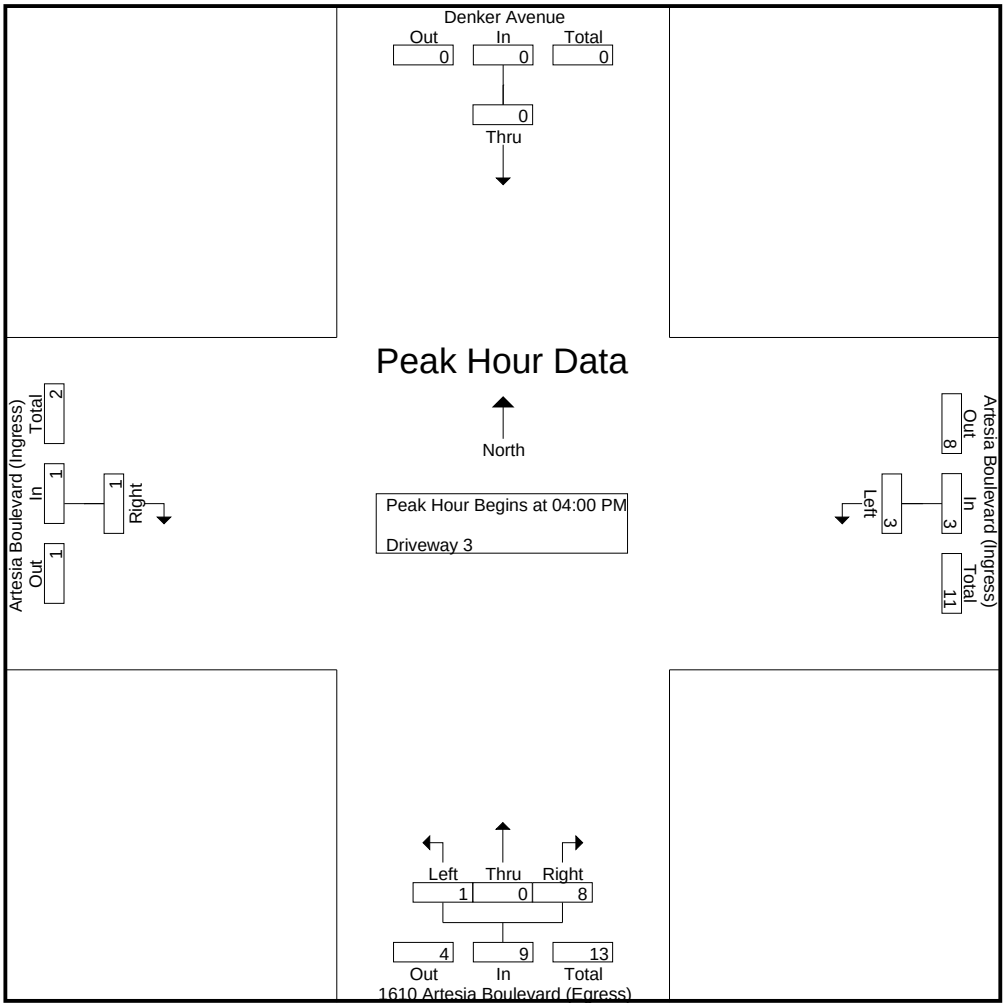
File Name : 1610ArtesiaBlvd_Driveway3
Site Code : 00000000
Start Date : 5/25/2023
Page No : 3

	Denker Avenue Southbound		Artesia Boulevard (Ingress) Westbound		1610 Artesia Boulevard (Egress) Northbound				Artesia Boulevard (Ingress) Eastbound		
Start Time	Thru	App. Total	Left	App. Total	Left	Thru	Right	App. Total	Right	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1											
Peak Hour for Entire Intersection Begins at 04:00 PM											
04:00 PM	0	0	**2**	**2**	0	0	1	1	0	0	3
04:15 PM	0	0	0	0	**1**	0	1	2	**1**	**1**	3
04:30 PM	0	0	0	0	0	0	**3**	**3**	0	0	3
04:45 PM	0	0	1	1	0	0	3	3	0	0	**4**
Total Volume	0	0	3	3	1	0	8	9	1	1	13
% App. Total	0		100		11.1	0	88.9		100		
PHF	.000	.000	.375	.375	.250	.000	.667	.750	.250	.250	.813



City Traffic Counters
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1610 Artesia Boulevard
Driveway 1

Start Time	24-May-23 Wed	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		3	2			0	0				
12:15		0	10			0	2				
12:30		2	6			0	1				
12:45		0	4	5	22	0	0	0	3	5	25
01:00		1	6			0	3				
01:15		0	8			0	3				
01:30		0	9			0	1				
01:45		1	10	2	33	0	1	0	8	2	41
02:00		0	4			0	2				
02:15		0	5			0	2				
02:30		0	7			0	4				
02:45		0	3	0	19	0	1	0	9	0	28
03:00		0	6			0	2				
03:15		1	5			0	2				
03:30		0	4			0	0				
03:45		0	8	1	23	0	2	0	6	1	29
04:00		0	2			0	3				
04:15		0	8			0	0				
04:30		0	1			0	2				
04:45		0	6	0	17	0	2	0	7	0	24
05:00		0	3			0	1				
05:15		0	1			0	1				
05:30		0	3			0	1				
05:45		1	2	1	9	0	1	0	4	1	13
06:00		1	4			0	0				
06:15		0	0			0	2				
06:30		0	1			0	0				
06:45		1	1	2	6	0	0	0	2	2	8
07:00		1	1			0	0				
07:15		2	2			0	0				
07:30		2	0			0	0				
07:45		4	3	9	6	0	0	0	0	9	6
08:00		5	1			1	0				
08:15		5	0			0	0				
08:30		8	1			0	1				
08:45		6	0	24	2	0	0	1	1	25	3
09:00		12	2			1	1				
09:15		9	0			1	0				
09:30		9	0			1	0				
09:45		5	0	35	2	2	0	5	1	40	3
10:00		4	1			2	0				
10:15		6	0			1	0				
10:30		12	2			2	0				
10:45		5	2	27	5	2	0	7	0	34	5
11:00		8	2			5	0				
11:15		7	1			4	0				
11:30		3	0			3	0				
11:45		8	0	26	3	0	0	12	0	38	3
Total		132	147			25	41			157	188
Percent		47.3%	52.7%			37.9%	62.1%			45.5%	54.5%
Grand Total		132	147			25	41			157	188
Percent		47.3%	52.7%			37.9%	62.1%			45.5%	54.5%
ADT		ADT 345		AADT 345							

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1610 Artesia Boulevard
Driveway 2

Start Time	24-May-23 Wed	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	1			0	6				
12:15		0	1			0	6				
12:30		0	1			0	4				
12:45		0	0	0	3	0	3	0	19	0	22
01:00		0	1			0	8				
01:15		0	0			0	3				
01:30		0	5			0	9				
01:45		1	5	1	11	0	6	0	26	1	37
02:00		0	2			0	6				
02:15		0	1			0	5				
02:30		0	1			0	7				
02:45		0	1	0	5	0	4	0	22	0	27
03:00		0	3			0	2				
03:15		0	2			0	6				
03:30		0	5			0	7				
03:45		0	4	0	14	0	7	0	22	0	36
04:00		0	1			0	5				
04:15		0	1			0	8				
04:30		0	0			0	4				
04:45		0	1	0	3	0	2	0	19	0	22
05:00		0	2			0	7				
05:15		0	1			0	3				
05:30		0	1			0	7				
05:45		0	2	0	6	0	3	0	20	0	26
06:00		0	0			0	5				
06:15		0	1			1	3				
06:30		0	1			0	1				
06:45		0	0	0	2	1	3	2	12	2	14
07:00		1	0			1	1				
07:15		0	0			1	2				
07:30		1	0			0	2				
07:45		0	0	2	0	0	1	2	6	4	6
08:00		3	0			0	0				
08:15		0	0			0	0				
08:30		1	1			1	2				
08:45		1	0	5	1	3	0	4	2	9	3
09:00		5	1			4	0				
09:15		1	0			6	0				
09:30		3	0			6	1				
09:45		1	2	10	3	6	0	22	1	32	4
10:00		1	0			7	0				
10:15		3	0			4	0				
10:30		2	1			8	1				
10:45		4	0	10	1	4	1	23	2	33	3
11:00		1	0			5	0				
11:15		1	0			4	1				
11:30		3	0			5	0				
11:45		0	0	5	0	7	0	21	1	26	1
Total		33	49			74	152			107	201
Percent		40.2%	59.8%			32.7%	67.3%			34.7%	65.3%
Grand Total		33	49			74	152			107	201
Percent		40.2%	59.8%			32.7%	67.3%			34.7%	65.3%
ADT		ADT 308		AADT 308							

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1610 Artesia Boulevard
Driveway 3

Start Time	24-May-23 Wed	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	2			2	2				
12:15		0	1			1	5				
12:30		0	0			0	3				
12:45		2	2	2	5	3	1	6	11	8	16
01:00		0	2			0	3				
01:15		0	0			1	1				
01:30		0	2			1	3				
01:45		0	0	0	4	2	3	4	10	4	14
02:00		0	0			0	1				
02:15		1	1			0	1				
02:30		0	2			1	2				
02:45		0	1	1	4	0	0	1	4	2	8
03:00		0	0			0	3				
03:15		0	0			1	6				
03:30		0	0			0	1				
03:45		0	1	0	1	0	3	1	13	1	14
04:00		0	1			0	0				
04:15		0	0			0	3				
04:30		0	0			0	3				
04:45		0	0	0	1	0	0	0	6	0	7
05:00		0	0			0	1				
05:15		0	2			0	1				
05:30		0	0			0	5				
05:45		0	0	0	2	0	2	0	9	0	11
06:00		0	0			0	1				
06:15		1	1			0	2				
06:30		0	0			0	3				
06:45		0	1	1	2	0	0	0	6	1	8
07:00		0	1			0	1				
07:15		1	1			0	2				
07:30		0	1			0	1				
07:45		0	0	1	3	0	2	0	6	1	9
08:00		0	0			0	1				
08:15		0	1			3	2				
08:30		0	0			0	0				
08:45		0	0	0	1	0	1	3	4	3	5
09:00		1	1			1	2				
09:15		0	1			1	2				
09:30		0	1			2	1				
09:45		1	0	2	3	0	0	4	5	6	8
10:00		1	0			0	1				
10:15		0	0			2	1				
10:30		0	1			4	3				
10:45		0	1	1	2	3	5	9	10	10	12
11:00		0	0			0	1				
11:15		1	1			2	2				
11:30		0	0			4	0				
11:45		0	0	1	1	3	0	9	3	10	4
Total		9	29			37	87			46	116
Percent		23.7%	76.3%			29.8%	70.2%			28.4%	71.6%
Grand Total		9	29			37	87			46	116
Percent		23.7%	76.3%			29.8%	70.2%			28.4%	71.6%
ADT		ADT 162		AADT 162							

City Traffic Counters
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1610 Artesia Boulevard
Driveway 1

Start Time	25-May-23 Thu	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		2	5			0	2				
12:15		2	7			0	0				
12:30		0	8			0	0				
12:45		0	10	4	30	0	3	0	5	4	35
01:00		0	5			0	1				
01:15		1	8			0	2				
01:30		0	3			0	1				
01:45		0	6	1	22	0	0	0	4	1	26
02:00		0	10			0	0				
02:15		0	7			0	3				
02:30		0	5			0	3				
02:45		0	5	0	27	0	2	0	8	0	35
03:00		0	11			0	1				
03:15		0	1			0	2				
03:30		0	4			0	2				
03:45		0	8	0	24	0	1	0	6	0	30
04:00		0	4			0	1				
04:15		0	3			0	1				
04:30		0	5			0	5				
04:45		0	6	0	18	0	2	0	9	0	27
05:00		0	9			0	2				
05:15		0	4			0	3				
05:30		0	3			0	1				
05:45		1	4	1	20	0	0	0	6	1	26
06:00		2	5			0	2				
06:15		0	0			0	0				
06:30		1	1			0	0				
06:45		3	1	6	7	0	0	0	2	6	9
07:00		5	1			0	2				
07:15		3	3			2	0				
07:30		2	2			0	0				
07:45		7	1	17	7	1	1	3	3	20	10
08:00		4	0			0	0				
08:15		5	3			0	1				
08:30		6	3			2	0				
08:45		8	0	23	6	0	0	2	1	25	7
09:00		7	0			2	0				
09:15		4	0			2	0				
09:30		6	0			0	0				
09:45		8	1	25	1	1	0	5	0	30	1
10:00		5	1			0	1				
10:15		5	1			0	0				
10:30		10	1			0	0				
10:45		6	1	26	4	3	0	3	1	29	5
11:00		5	2			2	0				
11:15		0	2			1	1				
11:30		9	0			2	0				
11:45		6	0	20	4	1	0	6	1	26	5
Total		123	170			19	46			142	216
Percent		42.0%	58.0%			29.2%	70.8%			39.7%	60.3%
Grand Total		123	170			19	46			142	216
Percent		42.0%	58.0%			29.2%	70.8%			39.7%	60.3%
ADT		ADT 358		AADT 358							

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1610 Artesia Boulevard
Driveway 2

Start Time	25-May-23 Thu	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	1			0	4				
12:15		0	1			0	6				
12:30		0	1			0	8				
12:45		0	1	0	4	0	3	0	21	0	25
01:00		0	2			0	6				
01:15		0	1			1	5				
01:30		0	0			0	2				
01:45		0	2	0	5	0	4	1	17	1	22
02:00		0	1			0	8				
02:15		0	2			0	5				
02:30		0	3			0	4				
02:45		0	2	0	8	0	4	0	21	0	29
03:00		0	0			0	5				
03:15		0	2			0	3				
03:30		0	3			0	2				
03:45		0	2	0	7	0	6	0	16	0	23
04:00		0	3			0	8				
04:15		0	3			0	5				
04:30		0	2			0	5				
04:45		0	2	0	10	0	2	0	20	0	30
05:00		0	0			0	11				
05:15		0	1			0	8				
05:30		0	0			0	5				
05:45		0	0	0	1	0	7	0	31	0	32
06:00		1	3			0	6				
06:15		0	1			1	7				
06:30		0	3			0	3				
06:45		0	0	1	7	1	2	2	18	3	25
07:00		0	1			0	2				
07:15		0	0			0	0				
07:30		1	0			0	0				
07:45		0	0	1	1	2	0	2	2	3	3
08:00		2	1			1	0				
08:15		1	0			2	0				
08:30		2	1			3	0				
08:45		1	0	6	2	5	1	11	1	17	3
09:00		2	0			3	1				
09:15		2	0			8	0				
09:30		3	0			5	0				
09:45		6	0	13	0	5	0	21	1	34	1
10:00		2	0			4	1				
10:15		0	1			3	0				
10:30		3	0			5	0				
10:45		2	0	7	1	3	0	15	1	22	2
11:00		1	0			3	0				
11:15		1	0			4	0				
11:30		4	0			4	0				
11:45		1	0	7	0	2	0	13	0	20	0
Total		35	46			65	149			100	195
Percent		43.2%	56.8%			30.4%	69.6%			33.9%	66.1%
Grand Total		35	46			65	149			100	195
Percent		43.2%	56.8%			30.4%	69.6%			33.9%	66.1%
ADT		ADT 295		AADT 295							

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1610 Artesia Boulevard
Driveway 3

Start Time	25-May-23 Thu	Ingress Morning	Ingress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Egress Morning	Egress Afternoon	Hour Totals Morning	Hour Totals Afternoon	Combined Totals Morning	Combined Totals Afternoon
12:00		0	3			1	4				
12:15		0	2			1	5				
12:30		0	0			1	2				
12:45		1	0	1	5	1	3	4	14	5	19
01:00		0	0			0	3				
01:15		0	0			0	4				
01:30		0	0			2	1				
01:45		0	1	0	1	0	3	2	11	2	12
02:00		0	0			0	1				
02:15		0	1			0	1				
02:30		0	0			0	2				
02:45		0	0	0	1	0	3	0	7	0	8
03:00		0	2			0	2				
03:15		0	0			0	0				
03:30		0	0			0	1				
03:45		0	0	0	2	0	3	0	6	0	8
04:00		0	2			0	1				
04:15		0	1			0	2				
04:30		0	0			0	3				
04:45		0	1	0	4	0	3	0	9	0	13
05:00		0	0			0	3				
05:15		0	0			0	2				
05:30		0	1			0	1				
05:45		0	1	0	2	0	3	0	9	0	11
06:00		0	0			0	0				
06:15		0	1			0	1				
06:30		0	0			0	0				
06:45		1	0	1	1	0	1	0	2	1	3
07:00		1	0			0	2				
07:15		1	0			2	2				
07:30		0	0			1	1				
07:45		1	2	3	2	0	5	3	10	6	12
08:00		0	1			3	5				
08:15		0	0			1	0				
08:30		0	0			1	2				
08:45		0	0	0	1	1	1	6	8	6	9
09:00		2	1			2	1				
09:15		1	0			0	1				
09:30		0	0			1	0				
09:45		1	1	4	2	1	0	4	2	8	4
10:00		0	0			3	1				
10:15		3	1			1	3				
10:30		1	0			2	1				
10:45		1	0	5	1	4	3	10	8	15	9
11:00		0	1			0	3				
11:15		0	0			3	1				
11:30		0	3			0	2				
11:45		1	0	1	4	3	1	6	7	7	11
Total		15	26			35	93			50	119
Percent		36.6%	63.4%			27.3%	72.7%			29.6%	70.4%
Grand Total		15	26			35	93			50	119
Percent		36.6%	63.4%			27.3%	72.7%			29.6%	70.4%
ADT		ADT 169		AADT 169							