



TECHNICAL MEMORANDUM

TO: For applicant submittal to the TOWN OF APPLE VALLEY

FROM: Perrie Ilercil, Senior Engineer | GANDDINI GROUP, INC.

DATE: April 2, 2025

SUBJECT: Apple Valley Truck and Trailer Facility Project Trip Generation Analysis
GGI Project No. 19763

Ganddini Group, Inc. is pleased to provide this Trip Generation Analysis for the proposed Apple Valley Truck and Trailer Facility project in the Town of Apple Valley. The purpose of this memorandum is to supplement the Air Quality Impact Study with a more detailed project description and trip generation information for the truck-trailer parking facility included in the Apple Valley Truck and Trailer Facility project. We trust the findings of this analysis will aid the Town of Apple Valley in assessing the project.

PROJECT DESCRIPTION

The 14.86-acre project site (APN: 0440-014-11) is located on the southside of Waalew Road between Ramona Street and Navajo Road in the Town of Apple Valley, California. The project site is currently vacant and zoned Planned Industrial (I-P).

The proposed project involves the development of truck and trailer parking lot with 426 truck/trailer parking spaces (12' by 55') and three standard parking spaces (9' x 19'). The proposed project will serve as overflow parking for trailers and semi-trucks associated with other industrial developments in the project vicinity. Vehicle access for the project site is proposed via gated access to Waalew Road. The proposed site plan is shown in Attachment A.

TRIP GENERATION

Since the Institute of Transportation Engineers (ITE) *Trip Generation Manual* (11th Edition, 2021) does not include trip generation data for truck trailer parking facilities, trip generation rates for the proposed project were obtained from trip counts conducted at comparable facilities.

Observed Counts

The 24-hour, bi-directional trip counts were conducted at five (5) existing truck-trailer parking facilities which serve as overflow parking lots for trailers and semi-trucks similar to the proposed parking facility. The driveway count is provided in Attachment B.

Truck Trips

The project trip generation was also calculated in terms of Passenger Car Equivalent (PCE) trips. Truck trips were converted to PCE trips based on the PCE factors as recommended in the *County of San Bernardino Congestion Management Program*: 1.5 for 2-axle light-duty trucks, 2.0 for 3-axle medium-duty trucks, and 3.0

for 4+-axle heavy-duty trucks.

Truck-Trailer Parking Facility

The trip generation analysis derived trip generation rates from counts of the existing truck trailer parking facilities which are for overflow truck-trailer storage. Based on the observed trip counts, trip generation rates were calculated per acre for the passenger car and truck vehicle classifications. Table 1 identifies the five (5) sites counted, the peak hour and daily trips at each site and the daily, AM and PM peak hour trip generation for each vehicle classification at each site. The rates for the sites are then used to determine an average trip generation rate for this type of facility.

Project Trips

Table 2 shows the proposed project trip generation forecast is based on average rates developed from trip count surveys of similar facilities. As shown in Table 1, the project is estimated to generate approximately 465 daily vehicle trips, including 30 vehicle trips during the AM peak hour and 36 vehicle trips during the PM peak hour, which equates to approximately 867 daily PCE trips, including 58 PCE trips during the AM peak hour and 63 PCE trips during the PM peak hour.

TRIP GENERATION COMPARISON

The original project trip generation provided in the *Apple Valley Truck and Trailer Facility Traffic Impact Analysis*, October 14, 2024 ["Project TIA"] report is included in Attachment C. The original trips were determined from counts for active truck-trailer yards which have trucks picked up daily or several times a week.

The proposed site is an overflow parking lot which will store trucks and trailers and will not have the vehicle turn over which occurs in an active truck-trailer yard. Therefore, new counts were conducted for overflow truck-trailer facilities to reflect the anticipated vehicle trips more closely at the proposed project.

Table 3 shows the difference in project trip generation between the original projection and the revised forecast based on the overflow truck-trailer facility trip generation. As shown in Table 3, the revised project is forecast to generate approximately 201 fewer daily trips compared to the Project TIA trip generation, including 3 fewer trips during the AM peak hour and 7 fewer trips during the PM peak hour of which there are 131 fewer daily trucks trips including 2 fewer trips during the AM during the AM peak hour and 5 fewer trips during the PM peak hour.

CONCLUSION

New counts at similar facilities are used to revise the trip generation for overflow truck facilities. The proposed project trip generation is forecast to generate a total of approximately 201 fewer daily trips compared to the original project, of which there are 131 fewer daily trucks trips than previously reported in the Project TIA.

It has been a pleasure to assist you with this project. Should you have any questions or comments, please contact Perrie Ilcercil at (714) 795-3100 ext. 103 or perrie@ganddini.com.

Table 1 (Page 1/2)

Summary of Trip Generation Surveys Conducted at Overflow Trailer Storage Facilities

Vehicle Type	Quantity ¹	Observed Trip Generation ²						
		AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Survey Site 1 (1691 Auto Center) ^a	14.56 AC							
Trips:								
Passenger Cars		4	1	5	5	12	17	185
2-Axle Trucks		-	-	-	-	-	-	-
3-Axle Trucks		0	5	5	11	3	14	172
4+ Axle Trucks		3	3	6	2	0	2	146
Total		7	9	16	18	15	33	503
Rates:	per AC							
Passenger Cars		0.275	0.069	0.344	0.343	0.824	1.167	12.706
2-Axle Trucks		-	-	-	-	-	-	-
3-Axle Trucks		0.000	0.343	0.343	0.755	0.206	0.961	11.813
4+ Axle Trucks		0.206	0.206	0.412	0.137	0.000	0.137	10.027
Total		0.481	0.618	1.099	1.235	1.030	2.265	34.546
Survey Site 2 (11215 Riverside Dr) ^b	14.70 AC							
Trips:								
Passenger Cars		12	7	19	10	16	26	353
2-Axle Trucks		3	4	7	3	0	3	59
3-Axle Trucks		2	2	4	3	5	8	105
4+ Axle Trucks		4	5	9	5	5	10	135
Total		21	18	39	21	26	47	652
Rates:	per AC							
Passenger Cars		0.816	0.476	1.292	0.680	1.088	1.768	24.014
2-Axle Trucks		0.204	0.272	0.476	0.204	0.000	0.204	4.014
3-Axle Trucks		0.136	0.136	0.272	0.204	0.340	0.544	7.143
4+ Axle Trucks		0.272	0.340	0.612	0.340	0.340	0.680	9.184
Total		1.428	1.224	2.652	1.428	1.768	3.196	44.355
Survey Site 3 (19437 Kendall Drive) ^c	7.05 AC							
Trips:								
Passenger Cars		7	3	10	7	11	18	146
2-Axle Trucks		0	0	0	0	0	0	3
3-Axle Trucks		6	4	10	6	3	9	95
4+ Axle Trucks		1	10	11	4	1	5	77
Total		14	17	31	17	15	32	321
Rates:	per AC							
Passenger Cars		0.993	0.426	1.419	0.993	1.560	2.553	20.709
2-Axle Trucks		0.000	0.000	0.000	0.000	0.000	0.000	0.426
3-Axle Trucks		0.851	0.567	1.418	0.851	0.426	1.277	13.475
4+ Axle Trucks		0.142	1.418	1.560	0.567	0.142	0.709	10.922
Total		1.986	2.411	4.397	2.411	2.128	4.539	45.532

Table 1 (Page 2/2)

Summary of Trip Generation Surveys Conducted at Overflow Trailer Storage Facilities

Vehicle Type	Quantity ¹	Observed Trip Generation ²						
		AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Survey Site 4 (310 N North Rancho Avenue) ^d	13.20 AC							
Trips:								
Passenger Cars		4	3	7	1	3	4	49
2-Axle Trucks		0	0	-	0	0	-	0
3-Axle Trucks		9	0	9	3	3	6	121
4+ Axle Trucks		0	4	4	3	2	5	122
Total		13	7	20	7	8	15	292
Rates:	per AC							
Passenger Cars		0.303	0.227	0.530	0.076	0.227	0.303	3.712
2-Axle Trucks		0.000	0.000	0.000	0.000	0.000	0.000	0.000
3-Axle Trucks		0.682	0.000	0.682	0.227	0.227	0.454	9.167
4+ Axle Trucks		0.000	0.303	0.303	0.227	0.152	0.379	9.242
Total		0.985	0.530	1.515	0.530	0.606	1.136	22.121
Survey Site 5 (1850 Glen Helen Drive) ^e	45.51 AC							
Trips:								
Passenger Cars		5	3	8	1	1	2	78
2-Axle Trucks		3	1	4	0	0	0	15
3-Axle Trucks		1	1	2	2	6	8	89
4+ Axle Trucks		2	3	5	12	13	25	230
Total		11	8	19	15	20	35	412
Rates:	per AC							
Passenger Cars		0.110	0.066	0.176	0.022	0.022	0.044	1.714
2-Axle Trucks		0.066	0.022	0.088	0.000	0.000	0.000	0.330
3-Axle Trucks		0.022	0.022	0.044	0.044	0.132	0.176	1.956
4+ Axle Trucks		0.044	0.066	0.110	0.264	0.286	0.550	5.054
Total		0.242	0.176	0.418	0.330	0.440	0.770	9.054
AVERAGE RATES	per AC							
Passenger Cars		0.499	0.253	0.752	0.423	0.744	1.167	12.571
2-Axle Trucks		0.068	0.074	0.141	0.051	0.000	0.051	1.193
3-Axle Trucks		0.338	0.214	0.552	0.416	0.266	0.682	8.711
4+ Axle Trucks		0.133	0.467	0.599	0.307	0.184	0.491	8.886
Total		1.038	1.007	2.044	1.197	1.194	2.391	31.360

Notes:

1 AC = Acre(s)

2 Source: Trip counts conducted at the following existing trailer storage facilities in Southern California:

- a. 1691 South Auto Center Road, San Bernardino, CA (November 30, 2016)
- b. 11215 Riverside Drive, Jurupa Valley, CA (March 30, 2021)
- c. 19437 Kendall Drive, San Bernardino, CA (March 20, 2025)
- d. 310 N North Rancho Avenue, San Bernardino, CA (March 20, 2025)
- e. 1850 Glen Helen Drive, San Bernardino, CA (March 20, 2025)

Table 2
Project Trip Generation

Vehicle Type	Quantity ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Trip Generation Rates²	per AC							
Passenger Cars		0.499	0.253	0.752	0.423	0.744	1.167	12.571
2-Axle Trucks		0.068	0.074	0.141	0.051	0.000	0.051	1.193
3-Axle Trucks		0.338	0.214	0.552	0.416	0.266	0.682	8.711
4+ Axle Trucks		0.133	0.467	0.599	0.307	0.184	0.491	8.886
Total		1.038	1.007	2.044	1.197	1.194	2.391	31.360
Vehicle Trips Generated	14.81 AC							
Passenger Cars		7	4	11	6	11	17	186
2-Axle Trucks		1	1	2	1	0	1	18
3-Axle Trucks		5	3	8	6	4	10	129
4+ Axle Trucks		2	7	9	5	3	8	132
Total		15	15	30	18	18	36	465
PCE Trips Generated	PCE Factors³							
Passenger Cars	1.0 PCE	7	4	11	6	11	17	186
2-Axle Trucks	1.5 PCE	2	2	4	2	0	2	27
3-Axle Trucks	2.0 PCE	10	6	16	12	8	20	258
4+ Axle Trucks	3.0 PCE	6	21	27	15	9	24	396
Total		25	33	58	35	28	63	867

Notes:

- 1 AC = Acre(s)
- 2 Source: Trip generation surveys conducted at five existing trailer storage facilities in Southern California; see Attachment A.
- 3 PCE = Passenger Car Equivalent.

Table 3
Comparison of Trailer Storage Facilities

Vehicle Type	Quantity ¹	Observed Trip Generation ²						
		AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Revised Overflow Truck Trailers Facility ²	14.81 AC							
Vehicle Trips Generated:								
Passenger Cars		7	4	11	6	11	17	186
2-Axle Trucks		1	1	2	1	0	1	18
3-Axle Trucks		5	3	8	6	4	10	129
4+ Axle Trucks		2	7	9	5	3	8	132
Total		15	15	30	18	18	36	465
PCE Trips Generated:	PCE Factors ¹							
Passenger Cars	1.0 PCE	7	4	11	6	11	17	186
2-Axle Trucks	1.5 PCE	2	2	4	2	0	2	27
3-Axle Trucks	2.0 PCE	10	6	16	12	8	20	258
4+ Axle Trucks	3.0 PCE	6	21	27	15	9	24	396
Total		25	33	58	35	28	63	867
Truck Trailers Facility	14.81 AC							
Vehicle Trips Generated:								
Passenger Cars		7	5	12	8	11	19	256
2-Axle Trucks		2	2	4	4	0	4	58
3-Axle Trucks		2	7	9	6	4	10	159
4+ Axle Trucks		3	5	8	6	4	10	193
Total		14	19	33	24	19	43	666
PCE Trips Generated:	PCE Factors ²							
Passenger Cars	1.0 PCE	7	5	12	8	11	19	256
2-Axle Trucks	1.5 PCE	3	3	6	6	0	6	87
3-Axle Trucks	2.0 PCE	4	14	18	12	8	20	318
4+ Axle Trucks	3.0 PCE	9	15	24	18	12	30	579
Total		23	37	60	44	31	75	1,240
Difference								
Vehicle Trips Generated:								
Passenger Cars		-	- 1	- 1	- 2	-	- 2	- 70
2-Axle Trucks		- 1	- 1	- 2	- 3	-	- 3	- 40
3-Axle Trucks		+ 3	- 4	- 1	-	-	-	- 30
4+ Axle Trucks		- 1	+ 2	+ 1	- 1	- 1	- 2	- 61
Total		+ 1	- 4	- 3	- 6	- 1	- 7	- 201
PCE Trips Generated:								
Passenger Cars		-	- 1	- 1	- 2	-	- 2	- 70
2-Axle Trucks		- 1	- 1	- 2	- 4	-	- 4	- 60
3-Axle Trucks		+ 6	- 8	- 2	-	-	-	- 60
4+ Axle Trucks		- 3	+ 6	+ 3	- 3	- 3	- 6	- 183
Total		+ 2	- 4	- 2	- 9	- 3	- 12	- 373

Notes:

1 AC = Acre(s), PCE = Passenger Car Equivalent.

2 See Table 2 Trip Generation Table for Overflow Truck-Trailer Storage Facilities.

3 See Attachment C for Trip Generation Table from the Traffic Impact Analysis, October 14, 2024.

ATTACHMENT A

SITE PLAN

TOWN OF APPLE VALLEY, COUNTY OF SAN BERNARDINO, CA
APN: 0440-014-11

APN:	0440-014-11
<u>GROSS AREA:</u>	647,297 SQ. FT./14.86 ACRES
<u>ZONING:</u>	I-P (PLANNED INDUSTRIAL)
<u>EXISTING USE:</u>	VACANT
<u>OWNER(S):</u>	HIMLE JARED
<u>PROPERTY ADDRESS:</u>	WAALEW ROAD, APPLE VALLEY, CA

THE LAND REFERRED TO HEREIN IS SITUATED IN THE CITY OF ALPINE VALLEY, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND DESCRIBED AS FOLLOWS:

PARCEL NO. 1:

THE EAST 1/2 OF THE EAST 1/2 OF THE FOLLOWING DESCRIBED PROPERTY:

GOVERNMENT LOT 2 NORTH, RANGE 17 42E AREAS OF GOVERNMENT LOT 1 OF THE NORTHEAST 1/4 OF SECTION 4, TOWNSHIP 5 NORTH, RANGE 3 WEST, SAN BERNARDINO BEAS AND MERIDIAN, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF S&D LAND ON FILE IN THE DISTRICT LAND OFFICE.

PARCEL NO. 2:

AN EASEMENT FOR INGRESS AND EGRESS OVER THE NORTH 15 FEET OF GOVERNMENT LOT 1 OF THE NORTHEAST 1/4 OF SECTION 4, TOWNSHIP 5 NORTH, RANGE 3 WEST, SAN BERNARDINO BEAS AND MERIDIAN, IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT OF S&D LAND ON FILE IN THE DISTRICT LAND OFFICE.

EXCEPTING THEREFROM THE NORTH 17.42 ACRES.

APH:0440-014-11

① EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS RESERVED IN A DOCUMENT:

RESERVED BY: PAUL A. BACHER, ET AL.
PURPOSE: INGRESS AND EGRESS
RECORDING DATE: NOVEMBER 13, 1951
RECORDING NO.: 10, BOOK 2850, PAGE 445, OFFICIAL RECORDS
AFFECTS: THE WEST 20 FEET AND THE SOUTH 15 FEET

② EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO: CALIFORNIA ELECTRIC POWER COMPANY AND INTERSTATE TELEGRAPH COMPANY
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: APRIL 2, 1953
RECORDING NO.: 388, BOOK 3140, PAGE 62, OFFICIAL RECORDS
AFFECTS: AS DESCRIBED THEREIN

③ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:

GRANTED TO: COUNTY OF SAN BERNARDINO
PURPOSE: HIGHWAY AND ROAD PURPOSES
RECORDING DATE: SEPTEMBER 29, 1987
RECORDING NO.: 87-30019, OFFICIAL RECORDS
AFFECTS: THE NORTH 40 FEET OF GOVERNMENT LOT 2

TOPOGRAPHIC SURVEY SOURCE: DIGITAL MAPPING, INC.
21062 BROOKHURST ST #101
HUNINGTON BEACH, CA 92646
(714) 968-5459

DATE SURVEYED: NOVEMBER 01, 2023

CONTOUR INFORMATION:

MINOR CONTOURS

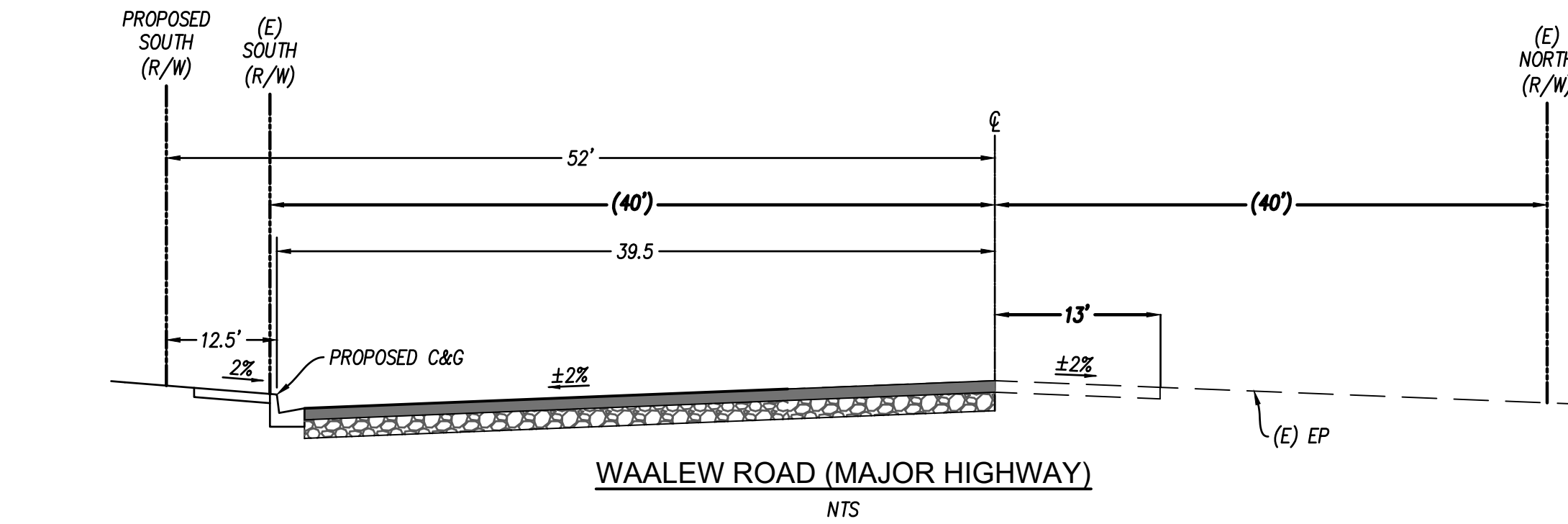
ALL PROPERTY WITHIN FEMA ZONE "X": "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN"

PER FLOOD INSURANCE RATE MAP NO. 06071C5840H

REVISED DATE: AUGUST 28, 2008.

TRAILER STALLS (12'x55')	426
STANDARD (9'x19')	2
HANDICAP (9'x19')	1
TOTAL	429

CABLE:	FRONTIER COMMUNICATIONS (800) 921-8101
WATER PURVEYOR:	WESTERN MUNICIPAL WATER DISTRICT (951) 571-7100
SEWER PURVEYOR:	SEPTIC
GAS PURVEYOR:	SOUTHERN CALIFORNIA GAS CO. (800) 427-2200
ELECTRICITY PURVEYOR:	SOUTHERN CALIFORNIA EDISON (800) 655-4555
TELEPHONE PURVEYOR:	FRONTIER COMMUNICATIONS (800) 921-8101



N.T.S.

CORWIN RD

DALE EVANS PKWY

PAPAGO RD

PROJECT SITE

WAALEW RD

S RD

CHEYENNE RD

WAWAJO RD

OTOE RD

CENTRAL RD

TOWN OF APPLE VALLEY

N

<u>TOTAL GROSS AREA:</u>	655,269 S.F./15.04 AC	
<u>R/W DEDICATION/OFF-SITE IMPROVEMENTS:</u>	10,242 S.F.	
<u>NET PROJECT AREA:</u>	645,027 S.F./14.81 AC	100.00%
<u>BUILDING:</u>	52 S.F.	0.01%
<u>PROPOSED HARDSCAPE:</u>	110,632 S.F.	17.15%
<u>PROPOSED LANDSCAPE:</u>	143,295 S.F.	22.22%
<u>PROPOSED C.M.B.:</u>	391,048 S.F.	60.63%

<u>TOTAL CUT:</u>	16,077 CY
<u>TOTAL FILL:</u>	16,846 CY
<u>NET</u>	<u>769 CY (IMPORT)</u>

AC ASPHALTIC CONCRETE SURFACE		PROPOSED LANDSCAPING
AG AGGREGATE		PROPOSED C.M.B. (GRAVEL)
BVC BEGIN VERTICAL CURVE		PROPOSED CONCRETE SURFACE
C&G CURB & GUTTER		PROPOSED AC PAVEMENT
CL CENTER LINE		
DIVY DRIVEWAY		
EVC END OF VERTICAL CURVE		
FF FINISH FLOOR		RIGHT OF WAY
FG FINISH GRADE		PROPERTY LINE
FH FIRE HYDRANT		CENTERLINE
FL FLOWLINE		
FS FINISHED SURFACE		
GB GRADE BREAK		
GW CURY WIRE		EXISTING BLOCK OR STONE WALL
INV INVERT OF PIPE		
MH MANHOLE		FLOWLINE
NTS NOT TO SCALE		FILL SLOPE
PP POWER POLE		INDICATES DIRECTION OF FLOW
TC TOP OF CURB		CONTOUR ELEVATION (FEET)
TF TOP OF FOOTING		PROPOSED 50' TALL SITE LIGHT
TW TOP OF WALL		
TYP TYPICAL		PATH OF TRAVEL
W WROUGHT IRON		
(XXX) EXISTING ELEVATION		

WAALEW TRUCK & TRAILER FACILITY
APN: 0440-014-11
TOWN OF APPLE VALLEY, COUNTY OF SAN BERNARDINO, CA

REVISIONS

NO	DESCRIPTION	BY	APPROVED	DATE

PREPARED FOR: WEKA INC

DRAWN BY:	K.B.O.	SCALE:	1" = 50'
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CHECKED BY: E.J.B.	JOB NO: 235114
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DISREGARD PRINTS BEARING	07-26-202
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SHEET: 1 OF 1

ATTACHMENT B

**TRUCK TRAILER FACILITY
COUNTS**

Totals

Truck-Trailer Parking Lot Traffic Count Data

Prepared by NDS/ATD

(1 of 4)

VOLUME

1691 S Auto Center Rd & Dwy

Day: Wednesday

City: San Bernardino

Date: 11/30/2016

Project #: CA16_6181_001e

DAILY TOTALS						IN		OUT		Total	
						249		254		503	
AM Period	NB	SB	EB	WB	TOTAL	PM Period	NB	SB	EB	WB	TOTAL
00:00			1	1	2	12:00			1	1	2
00:15			3	0	3	12:15			2	3	5
00:30			1	2	3	12:30			7	4	11
00:45			2	7	9	12:45			4	14	18
01:00			2	4	6	13:00			7	3	10
01:15			5	2	7	13:15			4	4	8
01:30			0	4	4	13:30			3	6	9
01:45			5	12	17	13:45			5	19	24
02:00			3	2	5	14:00			7	7	14
02:15			2	5	7	14:15			4	1	5
02:30			0	1	1	14:30			5	6	11
02:45			2	7	9	14:45			5	21	26
03:00			4	2	6	15:00			4	5	9
03:15			0	3	3	15:15			3	7	10
03:30			2	1	3	15:30			2	5	7
03:45			4	10	14	15:45			4	13	17
04:00			2	3	5	16:00			3	5	8
04:15			2	4	6	16:15			5	5	10
04:30			1	2	3	16:30			2	5	7
04:45			3	8	11	16:45			0	10	10
05:00			1	1	2	17:00			9	4	13
05:15			1	5	6	17:15			2	5	7
05:30			5	1	6	17:30			3	4	7
05:45			6	13	19	17:45			4	18	22
06:00			5	4	9	18:00			1	3	4
06:15			0	4	4	18:15			2	5	7
06:30			3	2	5	18:30			2	1	3
06:45			3	11	14	18:45			1	6	7
07:00			3	1	4	19:00			3	3	6
07:15			2	1	3	19:15			2	6	8
07:30			2	3	5	19:30			3	0	3
07:45			0	7	7	19:45			0	8	8
08:00			2	1	3	20:00			2	1	3
08:15			2	1	3	20:15			2	2	4
08:30			1	1	2	20:30			3	0	3
08:45			1	6	7	20:45			1	8	9
09:00			9	2	11	21:00			0	2	2
09:15			2	2	4	21:15			2	1	3
09:30			0	1	1	21:30			3	1	4
09:45			6	17	23	21:45			0	5	5
10:00			4	7	11	22:00			3	0	3
10:15			3	4	7	22:15			1	1	2
10:30			2	1	3	22:30			1	3	4
10:45			1	10	11	22:45			0	5	5
11:00			1	4	5	23:00			3	1	4
11:15			1	1	2	23:15			1	2	3
11:30			2	2	4	23:30			1	0	1
11:45			3	7	10	23:45			2	7	9
TOTALS			115	108	223	TOTALS			134	146	280
SPLIT %			51.6%	48.4%	44.3%	SPLIT %			47.9%	52.1%	55.7%

DAILY TOTALS					IN		OUT		Total		
					249		254		503		
AM Peak Hour		05:15		09:30		09:45		PM Peak Hour		12:30 13:15 13:15	
AM Pk Volume		17		15		30		PM Pk Volume		22 24 43	
Pk Hr Factor		0.708		0.536		0.682		Pk Hr Factor		0.786 0.857 0.768	
7 - 9 Volume		0 0		13 14		27		4 - 6 Volume		0 0 28 31 59	
7 - 9 Peak Hour		07:00		07:00		07:00		4 - 6 Peak Hour		17:00 16:00 17:00	
7 - 9 Pk Volume		0 0		7 9		16		4 - 6 Pk Volume		0 0 18 16 33	
Pk Hr Factor		0.000 0.000		0.583 0.563		0.800		Pk Hr Factor		0.000 0.000 0.500 0.800 0.635	

Cars

Truck-Trailer Parking Lot Traffic Count Data

Prepared by NDS/ATD

(2 of 4)

VOLUME

1691 S Auto Center Rd & Dwy

Day: Wednesday

City: San Bernardino

Date: 11/30/2016

Project #: CA16_6181_001e

DAILY TOTALS				IN				OUT				Total	
				92				93				185	
AM Period	IN		OUT		TOTAL		PM Period	IN		OUT		TOTAL	
00:00	0		1		1		12:00	0		0		0	
00:15	1		0		1		12:15	2		1		3	
00:30	0		1		1		12:30	1		2		3	
00:45	0		1	0	2	3	12:45	0		3	3	6	9
01:00	0		1		1		13:00	2		1		3	
01:15	1		1		2		13:15	1		0		1	
01:30	0		3		3		13:30	0		1		1	
01:45	2		3	0	5	8	13:45	0		3	1	3	6
02:00	2		1		3		14:00	2		2		4	
02:15	1		2		3		14:15	1		1		2	
02:30	0		0		0		14:30	2		2		4	
02:45	0		3	0	3	6	14:45	2		7	2	7	14
03:00	4		1		5		15:00	0		3		3	
03:15	0		0		0		15:15	2		2		4	
03:30	2		0		2		15:30	0		2		2	
03:45	1		7	0	1	8	15:45	0		2	2	9	11
04:00	1		2		3		16:00	0		3		3	
04:15	0		1		1		16:15	1		4		5	
04:30	1		0		1		16:30	1		3		4	
04:45	3		5	0	3	8	16:45	0		2	0	10	12
05:00	1		1		2		17:00	4		3		7	
05:15	1		0		1		17:15	0		4		4	
05:30	5		0		5		17:30	1		3		4	
05:45	6		13	0	1	14	17:45	0		5	2	12	17
06:00	4		1		5		18:00	0		3		3	
06:15	0		0		0		18:15	0		2		2	
06:30	3		0		3		18:30	1		1		2	
06:45	3		10	0	1	11	18:45	0		1	1	7	8
07:00	2		0		2		19:00	0		3		3	
07:15	0		0		0		19:15	0		2		2	
07:30	2		0		2		19:30	1		0		1	
07:45	0		4	1	1	5	19:45	0		1	2	7	8
08:00	2		1		3		20:00	0		1		1	
08:15	1		0		1		20:15	0		1		1	
08:30	1		0		1		20:30	0		0		0	
08:45	1		5	0	1	6	20:45	0		0	0	2	2
09:00	9		1		10		21:00	0		1		1	
09:15	1		0		1		21:15	0		0		0	
09:30	0		0		0		21:30	1		0		1	
09:45	2		12	0	1	13	21:45	0		1	1	2	3
10:00	0		1		1		22:00	0		0		0	
10:15	1		1		2		22:15	0		0		0	
10:30	1		0		1		22:30	0		2		2	
10:45	0		2	0	2	4	22:45	0		0		2	2
11:00	0		2		2		23:00	0		0		0	
11:15	1		0		1		23:15	0		1		1	
11:30	0		1		1		23:30	0		0		0	
11:45	1		2	0	3	5	23:45	0		1		2	2
TOTALS	67		24		91		TOTALS	25		69		94	
SPLIT %	73.6%		26.4%		49.2%		SPLIT %	26.6%		73.4%		50.8%	

DAILY TOTALS				IN				OUT				Total	
				92				93				185	
AM Peak Hour				05:15	01:30	05:15	PM Peak Hour				14:00	15:45	17:00
AM Pk Volume				16	6	17	PM Pk Volume				7	12	17
Pk Hr Factor				0.667	0.500	0.708	Pk Hr Factor				0.875	0.750	0.607
7 - 9 Volume				0	0	9	4 - 6 Volume				0	0	7
7 - 9 Peak Hour				07:30	07:15	07:30	4 - 6 Peak Hour				16:15	17:00	17:00
7 - 9 Pk Volume				0	0	5	4 - 6 Pk Volume				0	0	6
Pk Hr Factor				0.000	0.000	0.625	Pk Hr Factor				0.000	0.000	0.375

VOLUME

1691 S Auto Center Rd & Dwy

Day: Wednesday

City: San Bernardino

Date: 11/30/2016

Project #: CA16_6181_001e

DAILY TOTALS				IN OUT				Total	
				97 75				172	
AM Period	IN		OUT	TOTAL	PM Period	IN		OUT	TOTAL
00:00	0		0	0	12:00	0		0	0
00:15	1		0	1	12:15	0		0	0
00:30	1		0	1	12:30	4		1	5
00:45	1	3	0	1 3	12:45	4	8	0 1	4 9
01:00	1		1	2	13:00	4		1	5
01:15	3		0	3	13:15	1		1	2
01:30	0		0	0	13:30	3		2	5
01:45	0		4 2 3	2 7	13:45	4	12	1 5	5 17
02:00	1		1	2	14:00	2		0	2
02:15	0		3	3	14:15	1		0	1
02:30	0		0	0	14:30	3		1	4
02:45	1	2	0 4	1 6	14:45	2	8	1 2	3 10
03:00	0		0	0	15:00	3		1	4
03:15	0		2	2	15:15	0		3	3
03:30	0		1	1	15:30	1		2	3
03:45	2	2	1 4	3 6	15:45	4	8	1 7	5 15
04:00	1		1	2	16:00	2		2	4
04:15	2		1	3	16:15	1		1	2
04:30	0		0	0	16:30	0		2	2
04:45	0		3 1 3	1 6	16:45	0	3	1 6	1 9
05:00	0		0	0	17:00	4		1	5
05:15	0		4	4	17:15	2		1	3
05:30	0		0	0	17:30	2		1	3
05:45	0		1 5	1 5	17:45	3	11	0 3	3 14
06:00	1		2	3	18:00	1		0	1
06:15	0		3	3	18:15	1		1	2
06:30	0		1	1	18:30	0		0	0
06:45	0		1 3 9	3 10	18:45	1	3	0 1	1 4
07:00	0		1	1	19:00	3		0	3
07:15	0		1	1	19:15	2		2	4
07:30	0		2	2	19:30	1		0	1
07:45	0		1 5	1 5	19:45	0	6	0 2	0 8
08:00	0		0	0	20:00	2		0	2
08:15	0		0	0	20:15	1		0	1
08:30	0		0	0	20:30	1		0	1
08:45	0		1 1	1 1	20:45	0	4	1 1	1 5
09:00	0		0	0	21:00	0		0	0
09:15	1		2	3	21:15	1		0	1
09:30	0		0	0	21:30	2		0	2
09:45	2	3	0 2	2 5	21:45	0	3	2 2	2 5
10:00	3		1	4	22:00	1		0	1
10:15	0		2	2	22:15	1		1	2
10:30	1		0	1	22:30	0		0	0
10:45	0		4 0 3	0 7	22:45	0	2	2 3	2 5
11:00	0		1	1	23:00	1		0	1
11:15	0		0	0	23:15	0		1	1
11:30	2		0	2	23:30	1		0	1
11:45	2	4	0 1	2 5	23:45	1	3	1 2	2 5
TOTALS	26		40	66	TOTALS	71		35	106
SPLIT %	39.4%		60.6%	38.4%	SPLIT %	67.0%		33.0%	61.6%

DAILY TOTALS						IN		OUT		Total			
						97		75		172			
AM Peak Hour						00:30	06:00	06:00	PM Peak Hour		12:30	15:15	13:00
AM Pk Volume						6	9	10	PM Pk Volume		13	8	17
Pk Hr Factor						0.500	0.750	0.833	Pk Hr Factor		0.813	0.667	0.850
7 - 9 Volume						0	0	6	4 - 6 Volume		0	0	23
7 - 9 Peak Hour							07:00	07:00	4 - 6 Peak Hour			17:00	17:00
7 - 9 Pk Volume						0	5	5	4 - 6 Pk Volume		0	0	14
Pk Hr Factor						0.000	0.000	0.625	Pk Hr Factor		0.000	0.000	0.750

VOLUME

1691 S Auto Center Rd & Dwy

Day: Wednesday

Date: 11/30/2016

City: San Bernardino

Project #: CA16_6181_001e

DAILY TOTALS				IN OUT				Total	
				60 86				146	
AM Period	IN		OUT	TOTAL	PM Period	IN		OUT	TOTAL
00:00	1		0	1	12:00	1		1	2
00:15	1		0	1	12:15	0		2	2
00:30	0		1	1	12:30	2		1	3
00:45	1	3	0	1	12:45	0	3	0	4
01:00	1		2	3	13:00	1		1	2
01:15	1		1	2	13:15	2		3	5
01:30	0		1	1	13:30	0		3	3
01:45	3	5	0	4	13:45	1	4	5	12
02:00	0		0	0	14:00	3		5	8
02:15	1		0	1	14:15	2		0	2
02:30	0		1	1	14:30	0		3	3
02:45	1	2	0	1	14:45	1	6	1	9
03:00	0		1	1	15:00	1		1	2
03:15	0		1	1	15:15	1		2	3
03:30	0		0	0	15:30	1		1	2
03:45	1	1	1	3	15:45	0	3	0	4
04:00	0		0	0	16:00	1		0	1
04:15	0		2	2	16:15	3		0	3
04:30	0		2	2	16:30	1		0	1
04:45	0		0	4	16:45	0	5	0	5
05:00	0		0	0	17:00	1		0	1
05:15	0		1	1	17:15	0		0	0
05:30	0		1	1	17:30	0		0	0
05:45	0		1	3	17:45	1	2	0	1
06:00	0		1	1	18:00	0		0	0
06:15	0		1	1	18:15	1		2	3
06:30	0		1	1	18:30	1		0	1
06:45	0		0	3	18:45	0	2	1	3
07:00	1		0	1	19:00	0		0	0
07:15	2		0	2	19:15	0		2	2
07:30	0		1	1	19:30	1		0	1
07:45	0	3	2	3	19:45	0	1	1	3
08:00	0		0	0	20:00	0		0	0
08:15	1		1	2	20:15	1		1	2
08:30	0		1	1	20:30	2		0	2
08:45	0	1	1	3	20:45	1	4	0	1
09:00	0		1	1	21:00	0		1	1
09:15	0		0	0	21:15	1		1	2
09:30	0		1	1	21:30	0		1	1
09:45	2	2	3	5	21:45	0	1	1	4
10:00	1		5	6	22:00	2		0	2
10:15	2		1	3	22:15	0		0	0
10:30	0		1	1	22:30	1		1	2
10:45	1	4	2	9	22:45	0	3	0	1
11:00	1		1	2	23:00	2		1	3
11:15	0		1	1	23:15	1		0	1
11:30	0		1	1	23:30	0		0	0
11:45	0	1	2	5	23:45	1	4	0	1
TOTALS	22		44	66	TOTALS	38		42	80
SPLIT %	33.3%		66.7%	45.2%	SPLIT %	47.5%		52.5%	54.8%

DAILY TOTALS				IN	OUT	Total
				60	86	146
AM Peak Hour	01:00	09:30	09:30	PM Peak Hour	13:15	13:15
AM Pk Volume	5	10	15	PM Pk Volume	6	16
Pk Hr Factor	0.417	0.500	0.625	Pk Hr Factor	0.500	0.800
7 - 9 Volume	0	4	10	4 - 6 Volume	0	7
7 - 9 Peak Hour	07:00	07:30	07:00	4 - 6 Peak Hour	16:00	16:00
7 - 9 Pk Volume	0	3	6	4 - 6 Pk Volume	0	5
Pk Hr Factor	0.000	0.375	0.750	Pk Hr Factor	0.000	0.417

City: Jurupa Valley
 Location: 11215 Riverside Drive - CFL Trucking
 Date: 3/30/2021
 Count Type: 24 Hour Driveway Count



Truck-Trailer Parking Lot Traffic Count Data
 (1 of 2)

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	0	0	0	0	0
0:15	0	0	0	0	0
0:30	1	0	1	1	3
0:45	1	0	1	0	2
1:00	0	0	0	0	0
1:15	1	0	0	1	2
1:30	0	0	0	0	0
1:45	1	0	0	0	1
2:00	0	0	0	0	0
2:15	0	0	1	0	1
2:30	1	0	0	0	1
2:45	4	0	2	1	7
3:00	0	0	0	1	1
3:15	0	0	0	1	1
3:30	2	0	0	0	2
3:45	2	0	0	0	2
4:00	0	0	0	0	0
4:15	2	0	0	0	2
4:30	1	1	0	0	2
4:45	3	0	0	0	3
5:00	4	0	0	0	4
5:15	0	1	0	0	1
5:30	2	0	0	0	2
5:45	5	0	0	1	6
6:00	2	0	0	0	2
6:15	3	0	0	0	3
6:30	5	1	0	0	6
6:45	2	0	0	0	2
7:00	2	0	1	0	3
7:15	4	0	1	0	5
7:30	1	0	1	2	4
7:45	1	0	0	0	1
8:00	1	0	0	1	2
8:15	3	0	0	1	4
8:30	6	1	1	1	9
8:45	2	2	1	1	6
9:00	1	1	0	0	2
9:15	4	0	0	1	5
9:30	2	0	0	0	2
9:45	2	1	0	0	3
10:00	2	1	0	2	5
10:15	2	0	2	0	4
10:30	3	0	1	0	4
10:45	3	0	3	0	6
11:00	3	0	0	0	3
11:15	1	1	2	0	4
11:30	2	0	0	1	3
11:45	2	0	1	0	3
12:00	4	0	1	0	5
12:15	3	0	0	0	3
12:30	4	0	0	2	6
12:45	3	0	1	0	4
13:00	5	0	0	1	6
13:15	4	0	2	3	9
13:30	3	1	1	2	7
13:45	3	0	0	2	5

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	0	1	0	0	1
0:15	0	0	0	0	0
0:30	0	0	0	0	0
0:45	2	1	0	0	3
1:00	1	1	0	0	2
1:15	1	1	0	0	2
1:30	0	0	0	0	0
1:45	0	0	0	0	0
2:00	0	1	0	0	1
2:15	0	0	0	0	0
2:30	2	0	0	0	2
2:45	0	0	1	1	2
3:00	2	0	0	0	2
3:15	1	0	0	1	2
3:30	0	1	0	1	2
3:45	0	0	0	0	0
4:00	1	1	0	1	3
4:15	0	0	0	0	0
4:30	2	0	0	0	2
4:45	0	0	1	0	1
5:00	1	0	3	1	5
5:15	0	0	0	1	1
5:30	0	0	1	0	1
5:45	0	0	4	1	5
6:00	0	0	3	3	6
6:15	0	0	0	0	0
6:30	3	0	3	2	8
6:45	2	1	1	0	4
7:00	0	0	2	1	3
7:15	1	1	1	1	4
7:30	0	0	1	5	6
7:45	2	2	0	1	5
8:00	2	1	0	1	4
8:15	1	1	0	0	2
8:30	2	0	1	2	5
8:45	2	2	1	2	7
9:00	2	0	0	1	3
9:15	1	0	0	0	1
9:30	0	0	1	0	1
9:45	1	0	1	0	2
10:00	3	0	0	0	3
10:15	3	4	0	2	9
10:30	1	0	0	0	1
10:45	1	0	1	0	2
11:00	4	0	2	3	9
11:15	3	0	0	0	3
11:30	2	0	1	1	4
11:45	2	0	0	1	3
12:00	4	0	0	0	4
12:15	3	0	0	1	4
12:30	6	0	1	0	7
12:45	2	0	0	2	4
13:00	1	0	0	0	1
13:15	4	1	0	0	5
13:30	3	1	3	2	9
13:45	2	0	0	0	2

City: Jurupa Valley
 Location: 11215 Riverside Drive - CFL Trucking
 Date: 3/30/2021
 Count Type: 24 Hour Driveway Count



Truck-Trailer Parking Lot Traffic Count Data
 (2 of 2)

Entering					
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
14:00	3	0	2	2	7
14:15	2	2	0	1	5
14:30	3	0	0	2	5
14:45	1	0	5	2	8
15:00	3	0	2	0	5
15:15	3	2	1	1	7
15:30	0	1	3	2	6
15:45	2	0	1	1	4
16:00	1	0	1	1	3
16:15	2	0	2	2	6
16:30	4	1	1	1	7
16:45	3	1	1	1	6
17:00	0	1	0	3	4
17:15	3	0	1	0	4
17:30	1	1	1	0	3
17:45	0	0	1	1	2
18:00	2	3	0	0	5
18:15	1	1	0	3	5
18:30	2	0	0	1	3
18:45	0	0	1	1	2
19:00	3	0	0	1	4
19:15	1	0	0	2	3
19:30	1	0	1	0	2
19:45	1	2	0	3	6
20:00	0	0	0	3	3
20:15	0	0	0	2	2
20:30	3	0	1	1	5
20:45	2	0	0	0	2
21:00	2	0	0	1	3
21:15	1	1	1	3	6
21:30	1	0	0	1	2
21:45	1	0	0	0	1
22:00	0	1	0	0	1
22:15	1	1	0	0	2
22:30	1	0	0	1	2
22:45	1	0	0	2	3
23:00	0	0	0	1	1
23:15	0	0	0	1	1
23:30	0	0	0	0	0
23:45	2	0	0	1	3
	175	29	50	74	328

Exiting					
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
14:00	1	0	1	0	2
14:15	5	0	0	2	7
14:30	3	0	0	1	4
14:45	4	1	0	1	6
15:00	7	0	0	2	9
15:15	1	1	2	0	4
15:30	4	0	1	0	5
15:45	4	0	1	0	5
16:00	7	0	0	0	7
16:15	2	0	1	0	3
16:30	2	0	1	1	4
16:45	6	0	0	3	9
17:00	2	0	3	0	5
17:15	6	0	1	1	8
17:30	1	0	0	1	2
17:45	4	0	1	0	5
18:00	2	0	0	0	2
18:15	5	0	0	0	5
18:30	2	0	1	2	5
18:45	4	1	0	1	6
19:00	2	0	0	0	2
19:15	1	0	1	1	3
19:30	0	1	0	0	1
19:45	3	0	0	1	4
20:00	0	0	0	1	1
20:15	3	0	1	0	4
20:30	5	1	0	1	7
20:45	0	0	0	0	0
21:00	0	0	1	1	2
21:15	0	1	3	1	5
21:30	4	0	1	1	6
21:45	1	0	1	0	2
22:00	1	0	0	0	1
22:15	3	2	0	0	5
22:30	1	1	0	0	2
22:45	2	0	0	1	3
23:00	1	0	0	0	1
23:15	1	0	0	0	1
23:30	0	0	1	0	1
23:45	2	0	0	0	2
	178	30	55	61	324

24 Hour Driveway Counts

LOCATION: Truck Yard 3
Kendall Drive
COUNTY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	1	0	0	0	1
0:15	0	0	1	0	1
0:30	0	0	1	0	1
0:45	0	0	1	1	2
1:00	0	0	0	0	0
1:15	1	0	0	0	1
1:30	1	0	0	0	1
1:45	1	0	0	0	1
2:00	0	0	0	1	1
2:15	0	0	1	1	2
2:30	2	0	1	1	4
2:45	2	0	0	0	2
3:00	2	0	0	0	2
3:15	0	0	0	0	0
3:30	1	0	2	0	3
3:45	3	0	3	0	6
4:00	3	0	1	1	5
4:15	4	0	1	1	6
4:30	1	0	1	3	5
4:45	1	0	0	0	1
5:00	1	0	1	0	2
5:15	0	0	0	0	0
5:30	2	0	0	0	2
5:45	2	0	0	0	2
6:00	1	0	0	0	1
6:15	1	0	0	0	1
6:30	1	0	0	0	1
6:45	2	0	1	0	3
7:00	3	0	0	0	3
7:15	1	0	0	0	1
7:30	0	0	2	0	2
7:45	0	0	1	1	2
8:00	2	0	0	0	2
8:15	1	0	2	0	3
8:30	0	0	1	0	1
8:45	0	0	0	0	0
9:00	0	0	1	2	3
9:15	0	0	1	1	2
9:30	0	0	0	0	0
9:45	1	0	1	0	2
10:00	0	0	0	0	0
10:15	0	0	0	0	0
10:30	0	0	0	0	0
10:45	0	0	0	0	0
11:00	1	0	0	1	2
11:15	1	0	1	0	2
11:30	0	0	0	0	0
11:45	0	0	1	0	1
12:00	0	0	1	0	1
12:15	1	1	0	0	2
12:30	0	1	0	0	1
12:45	0	0	0	0	0
13:00	0	0	0	0	0
13:15	0	0	0	0	0
13:30	0	0	2	1	3
13:45	0	0	3	0	3
14:00	1	0	0	1	2
14:15	1	0	0	0	1
14:30	0	0	2	0	2
14:45	3	0	0	4	7
15:00	0	0	1	0	1
15:15	2	0	0	0	2
15:30	1	0	0	0	1
15:45	2	0	0	0	2
16:00	1	0	0	0	1
16:15	0	0	0	1	1
16:30	0	0	0	0	0
16:45	1	0	0	1	2
17:00	1	0	3	1	5

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	2	0	1	0	3
0:15	0	0	0	0	0
0:30	1	0	0	0	1
0:45	0	0	0	1	1
1:00	1	0	0	0	1
1:15	0	0	0	1	1
1:30	0	0	1	1	2
1:45	0	0	0	0	0
2:00	0	0	1	0	1
2:15	0	0	0	0	0
2:30	2	0	0	0	2
2:45	2	0	0	0	2
3:00	1	0	0	1	2
3:15	0	0	1	1	2
3:30	1	0	1	0	2
3:45	2	0	0	1	3
4:00	1	0	1	0	2
4:15	2	0	0	0	2
4:30	0	0	4	2	6
4:45	2	0	0	3	5
5:00	1	0	2	1	4
5:15	0	0	0	1	1
5:30	1	0	0	3	4
5:45	0	0	0	2	2
6:00	1	0	1	0	2
6:15	0	0	0	3	3
6:30	1	0	0	1	2
6:45	0	0	0	1	1
7:00	1	0	1	0	2
7:15	1	0	0	2	3
7:30	0	0	0	1	1
7:45	0	0	0	1	1
8:00	1	0	1	3	5
8:15	0	0	1	1	2
8:30	0	0	1	1	2
8:45	0	0	0	1	1
9:00	0	0	0	1	1
9:15	2	0	0	1	3
9:30	1	0	0	0	1
9:45	1	0	1	0	2
10:00	1	0	0	1	2
10:15	0	0	0	0	0
10:30	0	0	0	1	1
10:45	0	0	1	0	1
11:00	0	0	0	0	0
11:15	1	0	0	0	1
11:30	0	0	0	0	0
11:45	0	0	1	0	1
12:00	0	0	0	0	0
12:15	0	0	0	0	0
12:30	0	0	0	1	1
12:45	1	0	1	0	2
13:00	0	0	0	2	2
13:15	0	0	0	0	0
13:30	0	0	0	0	0
13:45	0	0	0	0	0
14:00	4	0	0	0	4
14:15	0	1	1	1	3
14:30	1	0	0	0	1
14:45	3	0	0	0	3
15:00	2	0	0	0	2
15:15	2	0	1	0	3
15:30	2	0	1	1	4
15:45	2	0	0	0	2
16:00	1	0	1	0	2
16:15	0	0	1	0	1
16:30	0	0	0	0	0
16:45	1	0	0	1	2
17:00	1	0	0	0	1

24 Hour Driveway Counts

LOCATION: Truck Yard 3
Kendall Drive
COUNTY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	3	0	0	1	4
17:30	1	0	2	0	3
17:45	0	0	1	0	1
18:00	1	0	1	0	2
18:15	1	0	2	0	3
18:30	1	0	1	0	2
18:45	1	0	2	0	3
19:00	1	0	1	0	2
19:15	1	0	1	0	2
19:30	1	0	1	0	2
19:45	0	0	1	0	1
20:00	0	0	1	1	2
20:15	0	0	0	0	0
20:30	0	0	1	0	1
20:45	0	0	1	1	2
21:00	0	0	0	0	0
21:15	1	0	0	0	1
21:30	1	0	1	0	2
21:45	0	0	0	0	0
22:00	0	0	0	0	0
22:15	0	0	0	0	0
22:30	0	0	0	1	1
22:45	1	0	1	0	2
23:00	0	0	0	1	1
23:15	0	0	1	0	1
23:30	0	0	1	1	2
23:45	0	0	0	0	0

AM TOTAL	43	0	26	14	83
PM TOTAL	28	2	32	15	77

AM PEAK 7:00-9:00	7	0	6	1	14
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PM PEAK 16:00-18:0	7	0	6	4	17
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24 HOUR TOTAL	71	2	58	29	160
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
44.4%	1.3%	36.3%	18.1%

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	5	0	0	0	5
17:30	1	0	0	0	1
17:45	2	0	1	0	3
18:00	0	0	2	0	2
18:15	1	0	0	0	1
18:30	2	0	0	0	2
18:45	1	0	1	0	2
19:00	2	0	0	0	2
19:15	2	0	2	1	5
19:30	1	0	0	0	1
19:45	0	0	2	0	2
20:00	1	0	0	0	1
20:15	0	0	0	1	1
20:30	1	0	0	0	1
20:45	0	0	2	0	2
21:00	2	0	0	0	2
21:15	0	0	0	0	0
21:30	0	0	0	0	0
21:45	1	0	0	0	1
22:00	0	0	1	0	1
22:15	0	0	0	0	0
22:30	0	0	0	0	0
22:45	1	0	0	0	1
23:00	1	0	0	0	1
23:15	1	0	0	3	4
23:30	0	0	0	0	0
23:45	0	0	0	0	0

AM TOTAL	30	0	20	37	87
PM TOTAL	45	1	17	11	74

AM PEAK 7:00-9:00	3	0	4	10	17
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PM PEAK 16:00-18:0	11	0	3	1	15
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24 HOUR TOTAL	75	1	37	48	161
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
46.6%	0.6%	23.0%	29.8%

24 Hour Driveway Counts

LOCATION: Rancho Avenue
BNSF Overflow Yard
CITY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	1	0	2	1	4
0:15	1	0	3	1	5
0:30	0	0	0	0	0
0:45	0	0	0	2	2
1:00	0	0	1	3	4
1:15	0	0	1	4	5
1:30	0	0	0	1	1
1:45	1	0	0	0	1
2:00	1	0	1	1	3
2:15	0	0	2	5	7
2:30	0	0	1	1	2
2:45	0	0	1	0	1
3:00	0	0	1	2	3
3:15	0	0	0	0	0
3:30	0	0	0	0	0
3:45	0	0	0	2	2
4:00	0	0	3	0	3
4:15	0	0	3	0	3
4:30	1	0	2	0	3
4:45	0	0	2	0	2
5:00	0	0	2	0	2
5:15	0	0	2	1	3
5:30	1	0	1	0	2
5:45	0	0	2	0	2
6:00	0	0	1	0	1
6:15	1	0	0	0	1
6:30	0	0	0	0	0
6:45	0	0	0	0	0
7:00	0	0	0	0	0
7:15	1	0	1	0	2
7:30	1	0	1	0	2
7:45	2	0	1	0	3
8:00	0	0	1	0	1
8:15	0	0	0	0	0
8:30	0	0	0	0	0
8:45	0	0	5	0	5
9:00	0	0	3	0	3
9:15	0	0	2	0	2
9:30	0	0	4	0	4
9:45	0	0	2	0	2
10:00	0	0	1	0	1
10:15	0	0	2	0	2
10:30	0	0	0	0	0
10:45	0	0	1	0	1
11:00	2	0	2	1	5
11:15	1	0	0	0	1
11:30	1	0	0	0	1
11:45	0	0	2	0	2
12:00	0	0	2	0	2
12:15	0	0	1	2	3
12:30	0	0	0	0	0
12:45	0	0	0	0	0
13:00	0	0	2	0	2
13:15	0	0	1	1	2
13:30	0	0	0	1	1
13:45	0	0	0	0	0
14:00	0	0	0	0	0
14:15	0	0	0	0	0
14:30	0	0	1	0	1
14:45	0	0	1	0	1
15:00	0	0	0	1	1
15:15	0	0	0	1	1
15:30	1	0	0	0	1
15:45	0	0	0	0	0
16:00	1	0	0	1	2
16:15	0	0	0	2	2
16:30	0	0	0	0	0
16:45	0	0	0	0	0
17:00	0	0	0	0	0

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	1	0	1	0	2
0:15	1	0	0	1	2
0:30	0	0	1	4	5
0:45	0	0	1	0	1
1:00	0	0	3	0	3
1:15	0	0	3	1	4
1:30	0	0	3	1	4
1:45	2	0	0	0	2
2:00	0	0	1	0	1
2:15	0	0	5	1	6
2:30	0	0	2	0	2
2:45	0	0	1	1	2
3:00	0	0	0	1	1
3:15	0	0	2	1	3
3:30	0	0	0	0	0
3:45	0	0	1	0	1
4:00	0	0	1	0	1
4:15	0	0	0	3	3
4:30	0	0	0	3	3
4:45	0	0	0	1	1
5:00	1	0	0	2	3
5:15	0	0	0	3	3
5:30	0	0	0	2	2
5:45	1	0	0	2	3
6:00	0	0	0	1	1
6:15	0	0	0	0	0
6:30	0	0	0	1	1
6:45	0	0	0	0	0
7:00	1	0	0	0	1
7:15	0	0	0	0	0
7:30	0	0	0	1	1
7:45	1	0	0	0	1
8:00	1	0	0	2	3
8:15	0	0	0	1	1
8:30	0	0	0	0	0
8:45	0	0	0	0	0
9:00	0	0	0	1	1
9:15	0	0	0	6	6
9:30	0	0	0	3	3
9:45	0	0	0	2	2
10:00	0	0	0	4	4
10:15	0	0	1	1	2
10:30	0	0	0	0	0
10:45	0	0	0	0	0
11:00	1	0	0	1	2
11:15	0	0	0	4	4
11:30	3	0	0	0	3
11:45	0	0	0	1	1
12:00	0	0	0	2	2
12:15	0	0	0	0	0
12:30	0	0	1	2	3
12:45	0	0	0	1	1
13:00	0	0	0	0	0
13:15	0	0	0	2	2
13:30	0	0	1	1	2
13:45	0	0	1	0	1
14:00	1	0	0	0	1
14:15	0	0	0	0	0
14:30	0	0	0	0	0
14:45	1	0	0	1	2
15:00	0	0	0	1	1
15:15	0	0	2	0	2
15:30	0	0	0	0	0
15:45	0	0	0	0	0
16:00	1	0	0	0	1
16:15	1	0	1	0	2
16:30	0	0	2	0	2
16:45	0	0	0	0	0
17:00	0	0	0	0	0

24 Hour Driveway Counts

LOCATION: Rancho Avenue
BNSF Overflow Yard
CITY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	0	0	0	0	0
17:30	0	0	1	0	1
17:45	0	0	2	0	2
18:00	0	0	0	1	1
18:15	1	0	0	0	1
18:30	1	0	0	0	1
18:45	0	0	1	2	3
19:00	0	0	0	0	0
19:15	0	0	0	0	0
19:30	0	0	1	0	1
19:45	0	0	0	0	0
20:00	0	0	0	3	3
20:15	0	0	0	0	0
20:30	0	0	0	0	0
20:45	0	0	0	0	0
21:00	1	0	0	0	1
21:15	0	0	0	1	1
21:30	0	0	0	0	0
21:45	1	0	0	0	1
22:00	1	0	2	1	4
22:15	0	0	1	0	1
22:30	1	0	0	1	2
22:45	0	0	1	0	1
23:00	1	0	0	0	1
23:15	0	0	1	0	1
23:30	0	0	1	0	1
23:45	1	0	1	1	3

AM TOTAL	15	0	59	25	99
PM TOTAL	10	0	20	19	49

AM PEAK 7:00-9:00	4	0	9	0	13
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PM PEAK 16:00-18:00	1	0	3	3	7
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24 HOUR TOTAL	25	0	79	44	148
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
16.9%	0.0%	53.4%	29.7%

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	0	0	0	1	1
17:30	0	0	0	1	1
17:45	1	0	0	0	1
18:00	0	0	1	1	2
18:15	0	0	0	1	1
18:30	0	0	0	0	0
18:45	1	0	1	0	2
19:00	0	0	1	1	2
19:15	0	0	0	0	0
19:30	0	0	0	0	0
19:45	0	0	0	0	0
20:00	0	0	1	1	2
20:15	0	0	2	0	2
20:30	0	0	0	0	0
20:45	0	0	0	0	0
21:00	0	0	0	0	0
21:15	2	0	0	0	2
21:30	0	0	0	0	0
21:45	0	0	1	0	1
22:00	1	0	0	0	1
22:15	1	0	0	2	3
22:30	0	0	1	0	1
22:45	0	0	0	2	2
23:00	1	0	0	1	2
23:15	0	0	0	0	0
23:30	0	0	0	1	1
23:45	0	0	0	0	0

AM TOTAL	13	0	26	56	95
PM TOTAL	11	0	16	22	49

AM PEAK 7:00-9:00	3	0	0	4	7
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PM PEAK 16:00-18:00	3	0	3	2	8
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24 HOUR TOTAL	24	0	42	78	144
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
16.7%	0.0%	29.2%	54.2%

24 Hour Driveway Counts

LOCATION: Amazon Overflow Yard
Forest Lane
COUNTY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	0	0	0	0	0
0:15	0	0	0	0	0
0:30	0	0	1	2	3
0:45	0	0	0	1	1
1:00	0	0	0	0	0
1:15	0	0	0	2	2
1:30	0	0	0	1	1
1:45	0	0	0	0	0
2:00	0	0	0	0	0
2:15	1	0	0	1	2
2:30	1	0	0	0	1
2:45	0	0	0	3	3
3:00	0	0	0	0	0
3:15	0	0	0	1	1
3:30	0	0	0	1	1
3:45	0	0	2	1	3
4:00	0	0	2	2	4
4:15	0	0	0	1	1
4:30	1	0	0	0	1
4:45	1	0	0	0	1
5:00	0	0	0	1	1
5:15	0	0	0	1	1
5:30	0	0	0	3	3
5:45	1	0	0	2	3
6:00	1	0	1	1	3
6:15	1	0	1	0	2
6:30	0	1	0	0	1
6:45	0	0	0	0	0
7:00	1	0	0	0	1
7:15	1	0	0	1	2
7:30	1	1	0	0	2
7:45	0	1	0	0	1
8:00	0	0	0	0	0
8:15	0	0	0	0	0
8:30	2	0	1	1	4
8:45	0	1	0	0	1
9:00	1	1	0	0	2
9:15	0	0	2	1	3
9:30	1	0	2	1	4
9:45	0	0	0	0	0
10:00	0	0	0	1	1
10:15	1	0	1	5	7
10:30	2	0	0	2	4
10:45	0	0	1	0	1
11:00	1	0	0	3	4
11:15	0	1	1	1	3
11:30	0	0	1	1	2
11:45	0	0	1	4	5
12:00	1	0	0	1	2
12:15	4	0	1	3	8
12:30	0	0	1	3	4
12:45	0	0	0	1	1
13:00	0	0	1	3	4
13:15	2	0	0	4	6
13:30	1	0	0	0	1
13:45	0	0	0	0	0
14:00	3	0	0	0	3
14:15	0	0	0	2	2
14:30	1	1	0	2	4
14:45	0	0	0	3	3
15:00	0	0	1	0	1
15:15	0	0	0	4	4
15:30	0	0	1	0	1
15:45	0	0	2	2	4
16:00	0	0	0	2	2
16:15	0	0	0	2	2
16:30	0	0	0	3	3
16:45	1	0	2	1	4
17:00	0	0	0	0	0

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
0:00	0	0	0	3	3
0:15	0	0	0	1	1
0:30	0	0	0	3	3
0:45	0	0	0	1	1
1:00	0	0	0	1	1
1:15	1	0	0	0	1
1:30	0	0	1	1	2
1:45	0	0	0	0	0
2:00	0	0	0	1	1
2:15	0	0	1	0	1
2:30	1	0	0	0	1
2:45	0	0	0	0	0
3:00	0	0	0	3	3
3:15	0	0	0	1	1
3:30	0	0	0	1	1
3:45	0	0	0	0	0
4:00	0	0	0	3	3
4:15	0	0	0	3	3
4:30	0	0	0	1	1
4:45	1	0	0	0	1
5:00	2	0	0	0	2
5:15	0	0	1	0	1
5:30	0	0	2	0	2
5:45	2	0	0	2	4
6:00	1	0	1	0	2
6:15	0	0	1	0	1
6:30	0	0	2	0	2
6:45	0	0	0	0	0
7:00	0	0	0	1	1
7:15	2	0	0	0	2
7:30	0	0	0	0	0
7:45	0	0	1	0	1
8:00	0	1	0	0	1
8:15	0	0	0	0	0
8:30	0	0	0	0	0
8:45	1	0	0	2	3
9:00	4	1	0	0	5
9:15	0	0	0	0	0
9:30	0	0	0	4	4
9:45	1	1	0	2	4
10:00	0	0	0	0	0
10:15	0	1	0	1	2
10:30	1	0	2	2	5
10:45	2	0	2	1	5
11:00	0	0	0	2	2
11:15	1	0	1	2	4
11:30	0	0	0	0	0
11:45	0	1	3	2	6
12:00	0	0	0	2	2
12:15	0	1	1	0	2
12:30	0	0	3	3	6
12:45	2	0	1	1	4
13:00	3	0	2	1	6
13:15	0	0	0	3	3
13:30	1	0	1	2	4
13:45	0	0	0	1	1
14:00	4	0	0	0	4
14:15	0	0	1	0	1
14:30	2	0	0	1	3
14:45	0	0	1	0	1
15:00	0	1	2	0	3
15:15	1	0	2	3	6
15:30	0	0	0	1	1
15:45	0	0	0	1	1
16:00	0	0	1	2	3
16:15	0	0	1	3	4
16:30	0	0	1	2	3
16:45	0	0	2	2	4
17:00	0	0	1	1	2

24 Hour Driveway Counts

LOCATION: Amazon Overflow Yard
Forest Lane
COUNTY: San Bernardino

DATE: 3/20/2025
DAY: Thursday

ENTERING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	0	0	0	2	2
17:30	0	0	0	0	0
17:45	0	0	0	2	2
18:00	0	0	0	3	3
18:15	1	0	1	1	3
18:30	0	0	0	0	0
18:45	0	0	0	3	3
19:00	0	0	0	0	0
19:15	0	0	0	1	1
19:30	0	0	0	2	2
19:45	0	0	0	3	3
20:00	0	0	1	0	1
20:15	0	0	0	1	1
20:30	0	1	2	1	4
20:45	0	0	0	2	2
21:00	0	0	1	3	4
21:15	0	0	2	6	8
21:30	0	0	0	1	1
21:45	2	0	0	3	5
22:00	1	0	0	2	3
22:15	0	0	0	1	1
22:30	0	0	0	2	2
22:45	1	0	0	0	1
23:00	1	0	0	0	1
23:15	0	0	0	2	2
23:30	1	0	0	1	2
23:45	0	0	2	2	4

AM TOTAL	18	6	17	45	86
PM TOTAL	20	2	18	80	120

AM PEAK 7:00-9:00	5	3	1	2	11
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PM PEAK 16:00-18:00	1	0	2	12	15
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24 HOUR TOTAL	38	8	35	125	206
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
18.4%	3.9%	17.0%	60.7%

EXITING					
Time	Passenger Vehicles	Large 2 Axle Vehicles	3 Axle Vehicles	4+ Axle Trucks	TOTAL
17:15	1	0	0	0	1
17:30	0	0	0	1	1
17:45	0	0	0	2	2
18:00	0	0	1	0	1
18:15	0	0	0	3	3
18:30	0	0	1	1	2
18:45	1	0	0	0	1
19:00	0	0	1	2	3
19:15	0	0	0	0	0
19:30	0	0	1	1	2
19:45	0	0	1	1	2
20:00	0	0	0	1	1
20:15	0	0	0	1	1
20:30	0	0	1	0	1
20:45	1	0	0	2	3
21:00	0	0	0	4	4
21:15	0	0	4	2	6
21:30	0	0	2	1	3
21:45	0	0	0	1	1
22:00	1	0	2	2	5
22:15	0	0	1	0	1
22:30	1	0	1	2	4
22:45	0	0	0	2	2
23:00	2	0	0	0	2
23:15	0	0	0	0	0
23:30	0	0	0	2	2
23:45	0	0	0	1	1

AM TOTAL	20	5	18	44	87
PM TOTAL	20	2	36	61	119

AM PEAK 7:00-9:00	3	1	1	3	8
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PM PEAK 16:00-18:00	1	0	6	13	20
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24 HOUR TOTAL	40	7	54	105	206
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Passenger Vehicles %	Large 2 Axle Vehicles %	3 Axle Vehicles %	4+ Axle Trucks %
19.4%	3.4%	26.2%	51.0%

ATTACHMENT C

PROJECT TRAFFIC IMPACT ANALYSIS TRIP GENERATION

Table 2
Project Trip Generation

Vehicle Type	Quantity ¹	AM Peak Hour			PM Peak Hour			Daily
		In	Out	Total	In	Out	Total	
Trip Generation Rates ²	per AC							
Passenger Cars		0.486	0.313	0.799	0.509	0.733	1.243	17.272
2-Axle Trucks		0.136	0.124	0.260	0.260	0.000	0.260	3.947
3-Axle Trucks		0.129	0.454	0.582	0.395	0.275	0.670	10.749
4+ Axle Trucks		0.225	0.309	0.534	0.397	0.292	0.689	13.011
<i>Total</i>		0.976	1.200	2.176	1.561	1.300	2.861	44.979
Vehicle Trips Generated	14.81 AC							
Passenger Cars		7	5	12	8	11	19	256
2-Axle Trucks		2	2	4	4	0	4	58
3-Axle Trucks		2	7	9	6	4	10	159
4+ Axle Trucks		3	5	8	6	4	10	193
<i>Total</i>		14	19	33	24	19	43	666
PCE Trips Generated	PCE Factors ³							
Passenger Cars	1.0 PCE	7	5	12	8	11	19	256
2-Axle Trucks	1.5 PCE	3	3	6	6	0	6	87
3-Axle Trucks	2.0 PCE	4	14	18	12	8	20	318
4+ Axle Trucks	3.0 PCE	9	15	24	18	12	30	579
<i>Total</i>		23	37	60	44	31	75	1,240

Notes:

1. AC = Acre(s)
2. Source: Trip generation surveys conducted at five existing trailer storage facilities in Southern California; see Appendix B.
3. PCE = Passenger Car Equivalent.