

MEMORANDUM

To: County of Riverside

From: Iteris, Inc.

Date: June 2, 2025

RE: Cajalco Road Widening and Safety Enhancement Project – **Draft** Traffic Operations Validation

INTRODUCTION

This memorandum describes a traffic operations validation analysis in relation to the Cajalco Road Widening and Safety Enhancement project in the County of Riverside. The Draft Environmental Impact Report/Environmental Impact Statement/Section 4(f) (DEIR/EIS) for the Cajalco Road Widening and Safety Enhancement project (herein referred to as the "Cajalco Road Widening Project") was completed in 2021. The project team presented the project to the SCAG Transportation Conformity Working Group (TCWG) in April 2025. During the meeting, the TCWG requested further detailed analysis of traffic operations at a sub-set of intersections along Cajalco Road, to investigate whether more recent results would still be consistent with the results in the 2021 DEIR/EIS.

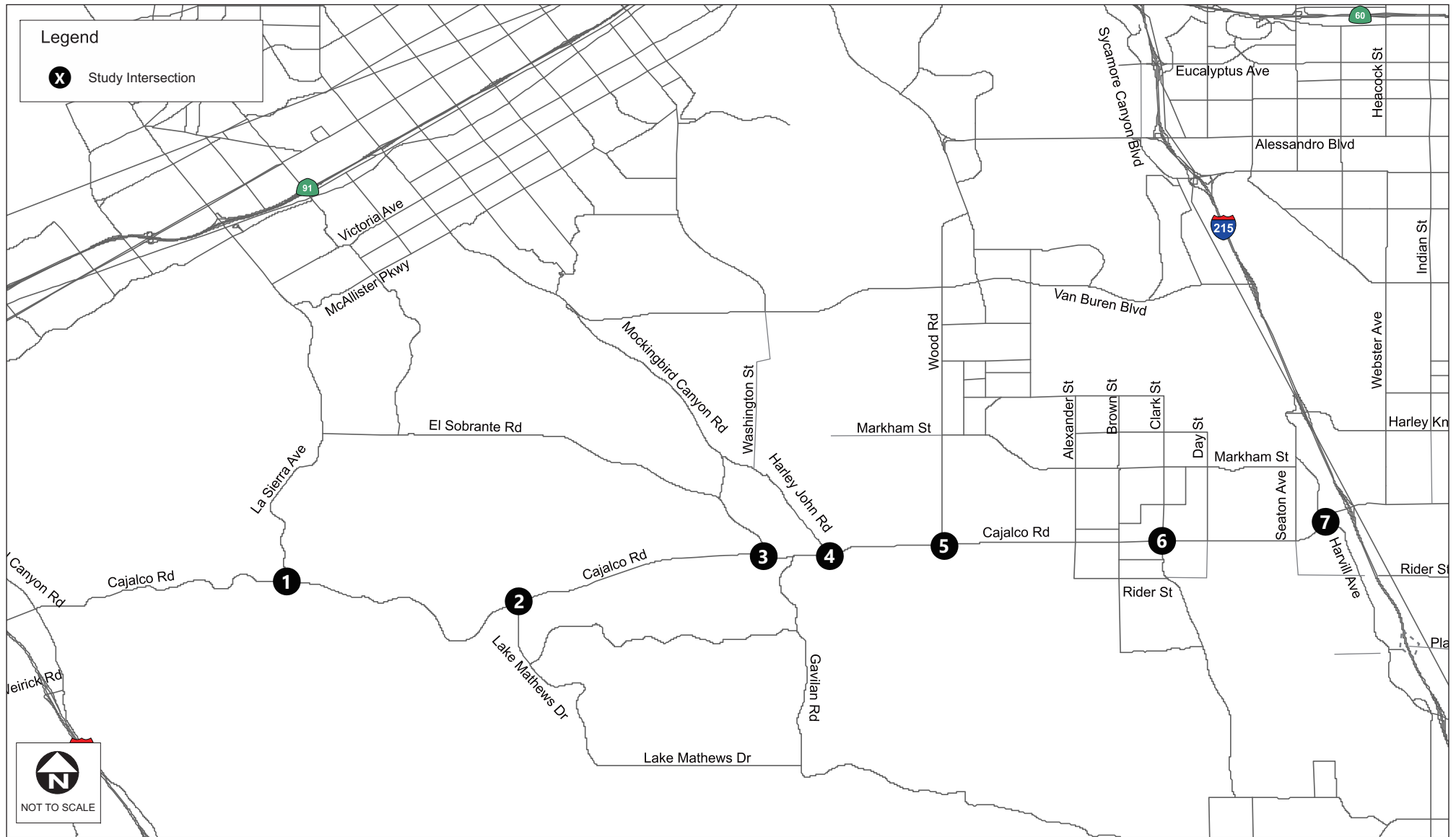
Thus, the purpose of this assessment is to address the TCWG comments by providing a comparison of the 2021 DEIR/EIS' Traffic Operations Analysis Report's intersection levels of service to levels of service utilizing 2025 traffic counts and more recently updated travel-demand models used in Riverside County, in order to assess whether the 2021 DEIR/EIS results can still be considered reasonable.

DATA COLLECTION

In order to establish baseline conditions, new traffic counts were collected at a sub-set of intersections along Cajalco Road. Traffic counts were collected in April 2025, on a typical weekday, at seven (7) intersections along the Cajalco Road Widening Project corridor. The selected locations are as follows:

1. La Sierra Avenue/Cajalco Road;
2. Lake Mathews Drive/Cajalco Road;
3. El Sobrante Road/Cajalco Road;
4. Harley John Road/Cajalco Road;
5. Wood Road/Cajalco Road;
6. Clark Street/Cajalco Road; and
7. Harvill Avenue/Cajalco Road.

Detailed traffic count data sheets are provided in **Appendix A** and **Figure 1** shows the locations of the intersections.



TRAFFIC OPERATIONS ANALYSIS

This section presents a discussion of the methodology used for the traffic operations analysis, as well as the existing and future year with project traffic operations results at the study intersections.

Analysis Methodology

This section discusses the methodology used in the intersection operational analysis. The quality of traffic operations is characterized using the concept of level of service (LOS). Level of service is defined by a range of grades from A (best) to F (worst). At intersections, LOS "A" represents relatively free flow operating conditions with little or no delay. LOS "F" is characterized by extremely unstable flow conditions, severe congestion and delays with traffic volumes at or near the intersection's design capacity. This typically results in long vehicular queues extending from all approaches of an intersection.

LOS analysis is performed using the Highway Capacity Manual (HCM) methodology, which uses vehicular delay criteria to determine LOS. The LOS was calculated by utilizing Synchro software. **Table 1** presents a brief description of each level of service letter grade.

Table 1: Intersection Level of Service Definitions – HCM Methodology

Level Of Service	Description	Signalized Intersection Delay (seconds per vehicle)	Unsignalized Intersection Delay (seconds per vehicle)
A	Excellent operation. All approaches to the intersection appear quite open, turning movements are easily made, and nearly all drivers find freedom of operation.	≤ 10	≤ 10
B	Very good operation. Many drivers begin to feel somewhat restricted within platoons of vehicles. This represents stable flow. An approach to an intersection may occasionally be fully utilized and traffic queues start to form.	$>10-20$	>10 and ≤ 15
C	Good operation. Occasionally drivers may have to wait more than 60 seconds, and back-ups may develop behind turning vehicles. Most drivers feel somewhat restricted.	$>20-35$	>15 and ≤ 25
D	Fair operation. Cars are sometimes required to wait more than 60 seconds during short peaks. There are no long-standing traffic queues.	$>35-55$	>25 and ≤ 35
E	Poor operation. Some long-standing vehicular queues develop on critical approaches to intersections. Delays may be up to several minutes.	$>55-80$	>35 and ≤ 50
F	Forced flow. Represents jammed conditions. Backups from locations downstream or on the cross street may restrict or prevent movement of vehicles out of the intersection approach lanes; therefore, volumes carried are not predictable. Potential for stop and go type traffic flow.	>80	> 50

Existing Conditions

Existing intersection operations were evaluated during the a.m. and p.m. peak hours at the study intersections. **Figure 2** presents the a.m. and p.m. peak hour volumes at the study intersections. **Table 2** summarizes the existing LOS at the study intersections. LOS calculation sheets are provided in **Appendix B**.

Table 2: Existing Intersection Peak Hour Level of Service

Intersection		Control Type	AM Peak Hour		PM Peak Hour	
			Delay (s)	LOS	Delay (s)	LOS
1	La Sierra Ave/Cajalco Rd	Signalized	25.3	C	39.4	D
2	Lake Mathews Dr/Cajalco Rd	TWSC*	128.2	F	15.8	C
3	El Sobrante Rd/Cajalco Rd	Signalized	14.6	B	26.0	C
4	Harley John Rd/Cajalco Rd	Signalized	45.0	D	46.9	D
5	Wood Rd/Cajalco Rd	Signalized	24.7	C	20.0	B
6	Clark St/Cajalco Rd	Signalized	32.2	C	29.5	C
7	Harvill Ave/Cajalco Rd	Signalized	34.9	C	26.2	C

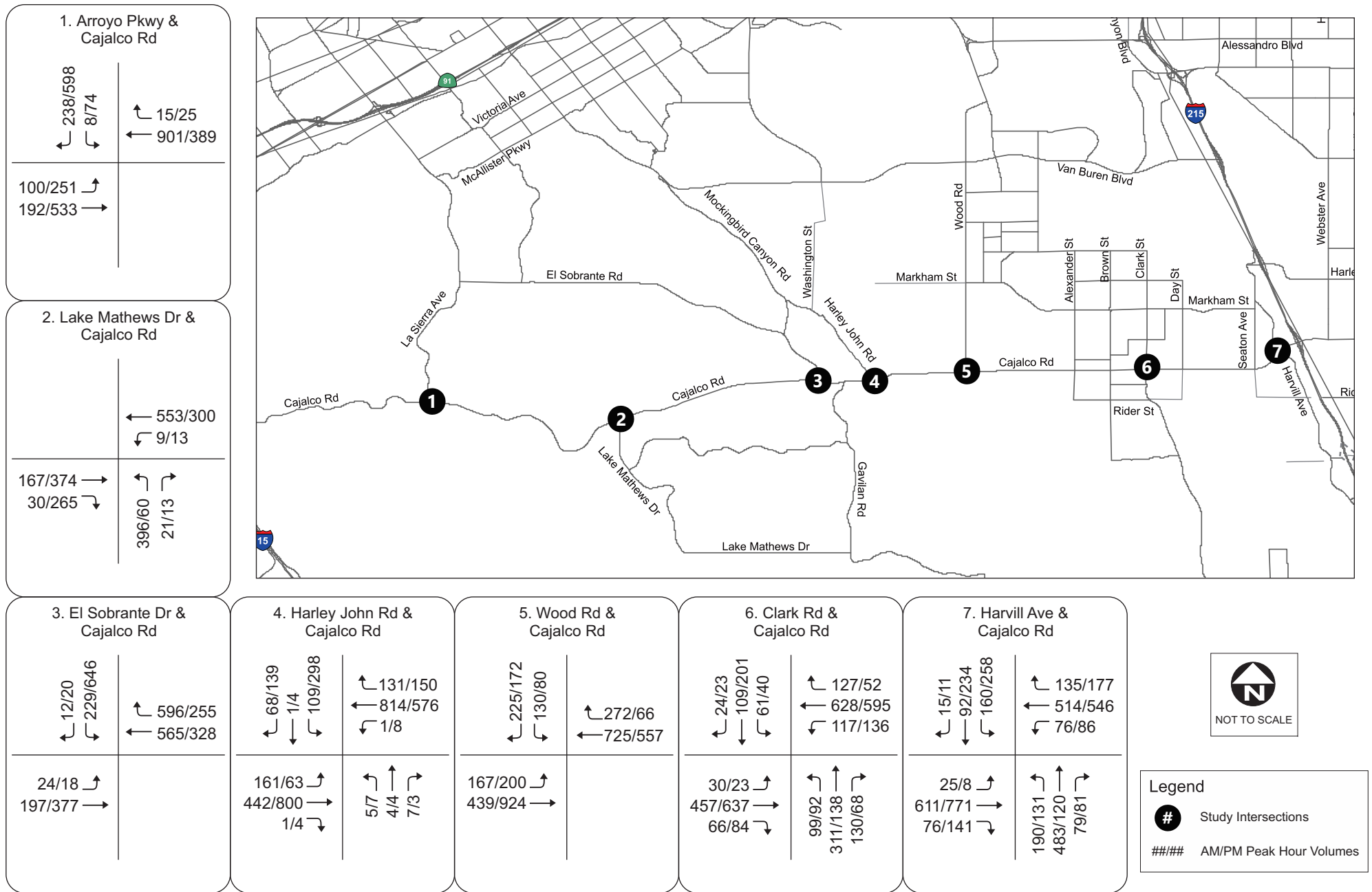
Notes:

s = seconds, LOS = Level of Service

* Two-way stop controlled intersection: worst operating approach is reported.

As shown in **Table 2**, all signalized intersections operate at LOS D or better during both the a.m. and p.m. peak hours. The Harley John Road/Cajalco Road intersection is the busiest intersection, operating at LOS D during both peak hours.

The Lake Matthews Drive/Cajalco Road intersection is unsignalized, with the northbound approach controlled by a stop sign. This approach operates at LOS F with a delay of 128.2 seconds during the a.m. peak hour. The high delay is due to the a.m. peak hour volume exceeding 400 vehicles per hour, which exceeds the capacity of a one-lane stop-controlled approach.



Future Year 2048 Conditions

Future year 2048 conditions were evaluated assuming the Cajalco Road Widening and Safety Project's Alternative 1 conditions (as described in the 2021 DEIR/EIS). This scenario assumes widening of Cajalco Road from a current two-lane roadway to a four-lane roadway. Future year traffic volumes were derived using the latest version of the RIVCOM model. This model is currently the most up-to-date travel-demand model in the region, utilizing a base year of 2018 and future/horizon year of 2045.

The RIVCOM was used to generate link-level peak hour volumes (for existing and future scenarios), which were then "post-processed" to derive future year turning movement volumes, using existing (2025) turning movements as a pivot point. The future year 2048 with project peak hour intersection volumes are provided in **Appendix C**. Note that the RIVCOM modeling used in this analysis does not include the Community Environmental Transportation Acceptability Process (CETAP) western transportation corridor project (between I-15 and I-215) in the future year scenario. The CETAP project is not considered realistic to be built at the moment, and assuming completion of the project would result in large shifts in vehicle traffic off of Cajalco Road. Thus, the traffic forecasting as part of this analysis is considered conservative in terms of vehicle volume growth along Cajalco Road. If the CETAP project was assumed to be completed in the RIVCOM future year scenario, future year traffic volumes and intersection LOS would be lower than the values described in this section.

Utilizing the future year traffic volumes and the improved/widened lane configurations and traffic control included as part of the project's Alternative 1 scenario, future year 2048 intersection operations were evaluated during the a.m. and p.m. peak hours. **Table 3** summarizes the future year 2048 with project LOS at the study intersections. LOS calculation sheets are provided in **Appendix B**.

Table 3: Future Year 2048 With Project (Alternative 1) Intersection Peak Hour Level of Service

Intersection		Control Type	AM Peak Hour		PM Peak Hour	
			Delay (s)	LOS	Delay (s)	LOS
1	La Sierra Ave/Cajalco Rd	Signalized	33.2	C	64.2	E
2	Lake Mathews Dr/Cajalco Rd	Signalized	41.6	D	6.6	A
3	El Sobrante Rd/Cajalco Rd	Signalized	16.0	B	17.4	B
4	Harley John Rd/Cajalco Rd	Signalized	58.7	E	35.1	D
5	Wood Rd/Cajalco Rd	Signalized	17.7	B	14.9	B
6	Clark St/Cajalco Rd	Signalized	46.2	D	38.9	D
7	Harvill Ave/Cajalco Rd	Signalized	54.8	D	46.2	D

Notes:

s = seconds, LOS = Level of Service

As shown in **Table 3**, all but two signalized intersections operate at LOS D or better during both the a.m. and p.m. peak hours. While volumes are anticipated to increase from 2025 to 2048, the widening of Cajalco Road from two lanes to four lanes would help increase capacity and maintain the same LOS as the existing conditions in 2025. The La Sierra Avenue/Cajalco Road intersection is forecast to operate at LOS E during the p.m. peak hour due to increased delays in the westbound and southbound approaches. The

Harley John Road/Cajalco Road intersection is forecast to operate at LOS E during the a.m. peak hour primarily due to increased volumes and delays in the westbound approach.

Table 4 shows the comparison of intersection LOS results from the 2044 with Alternative 1 scenario in the 2021 DEIR/EIS and the current LOS forecast shown in Table 3.

Table 4: LOS Comparison – 2044 Alternative 1 vs 2048 Alternative 1

Intersection		AM Peak Hour		PM Peak Hour	
		2044 Alt 1 Delay – LOS	2048 Alt 1 Delay – LOS	2044 Alt 1 Delay – LOS	2048 Alt 1 Delay – LOS
1	La Sierra Ave/Cajalco Rd	25.0 – C	33.2 – C	95.0 – F	64.2 – E
2	Lake Mathews Dr/Cajalco Rd	18.7 – B	41.6 – D	15.3 – B	6.6 – A
3	El Sobrante Rd/Cajalco Rd	9.3 – A	16.0 – B	11.1 – B	17.4 – B
4	Harley John Rd/Cajalco Rd	158.5 – F	58.7 – E	186.1 – F	35.1 – D
5	Wood Rd/Cajalco Rd	23.4 – C	17.7 – B	26.2 – C	14.9 – B
6	Clark St/Cajalco Rd	49.3 – D	46.2 – D	128.7 – F	38.9 – D
7	Harvill Ave/Cajalco Rd	26.8 – C	54.8 – D	30.8 – C	46.2 – D

Notes:

s = seconds, LOS = Level of Service

As shown in **Table 4**, the new future year 2048 with project traffic operations are generally consistent with the level of service results projected in the 2021 DEIR/EIS's future year 2044 with project scenario, with overall vehicle delay lower than those presented in the 2021 DEIR/EIS.

CONCLUSIONS

This memorandum presented a traffic operations validation analysis, in relation to the Cajalco Road Widening and Safety Enhancement Project in the County of Riverside. The following are the results of the analysis:

- The Cajalco Road intersections evaluated as part of this analysis currently operate at LOS D or better during both a.m. and p.m. peak hours (using 2025 traffic count data), with the exception of the Lake Mathews Drive intersection which is unsignalized. Thus, only the delay associated with the stop-controlled movement (northbound Lake Mathews Drive) is presented, as opposed to the average delay of all vehicles proceeding through the intersection.
- In the future year 2048 with project scenario, all but two signalized intersections operate at LOS D or better during both the a.m. and p.m. peak hours. The La Sierra Avenue/Cajalco Road intersection is forecast to operate at LOS E during the p.m. peak hour and the Harley John Road/Cajalco Road intersection is forecast to operate at LOS E during the a.m. peak hour.
- The new future year 2048 with project traffic operations are generally consistent with the level of service results projected in the 2021 DEIR/EIS's future year 2044 with project scenario, with

overall vehicle delay lower than those presented in the 2021 DEIR/EIS.

This analysis shows that the use of more up-to-date traffic data (2025 traffic counts) and traffic forecast modeling (RIVCOM) methods are not forecast to result in new traffic impacts at intersections along Cajalco Road, as compared to the findings in the 2021 DEIR/EIS. Thus, it can be concluded that the traffic operations findings in the 2021 DEIR/EIS would still be valid.

APPENDIX A – Intersection Traffic Counts

County of Riverside
N/S: La Sierra Avenue
E/W: Cajalco Road
Weather: Clear

File Name : 01_CRV_LS_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

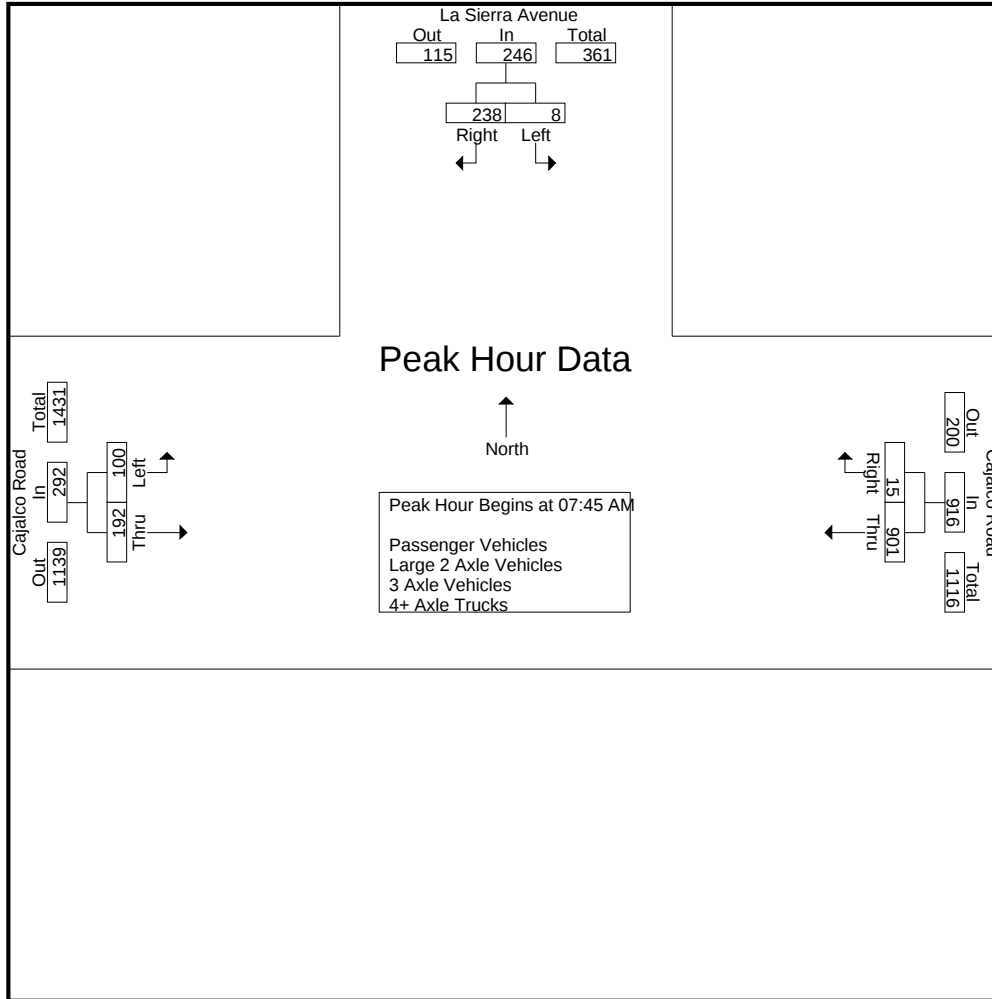
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	1	36	37	234	7	241	18	39	57	335
07:15 AM	5	33	38	260	7	267	20	44	64	369
07:30 AM	3	55	58	201	10	211	22	58	80	349
07:45 AM	2	43	45	229	3	232	25	52	77	354
Total	11	167	178	924	27	951	85	193	278	1407
08:00 AM	2	83	85	223	2	225	21	42	63	373
08:15 AM	2	65	67	229	5	234	23	49	72	373
08:30 AM	2	47	49	220	5	225	31	49	80	354
08:45 AM	2	32	34	182	4	186	32	45	77	297
Total	8	227	235	854	16	870	107	185	292	1397
Grand Total	19	394	413	1778	43	1821	192	378	570	2804
Apprch %	4.6	95.4		97.6	2.4		33.7	66.3		
Total %	0.7	14.1	14.7	63.4	1.5	64.9	6.8	13.5	20.3	
Passenger Vehicles	19	382	401	1685	43	1728	191	344	535	2664
% Passenger Vehicles	100	97	97.1	94.8	100	94.9	99.5	91	93.9	95
Large 2 Axle Vehicles	0	7	7	31	0	31	1	6	7	45
% Large 2 Axle Vehicles	0	1.8	1.7	1.7	0	1.7	0.5	1.6	1.2	1.6
3 Axle Vehicles	0	3	3	22	0	22	0	7	7	32
% 3 Axle Vehicles	0	0.8	0.7	1.2	0	1.2	0	1.9	1.2	1.1
4+ Axle Trucks	0	2	2	40	0	40	0	21	21	63
% 4+ Axle Trucks	0	0.5	0.5	2.2	0	2.2	0	5.6	3.7	2.2

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	2	43	45	229	3	232	25	52	77	354
08:00 AM	2	83	85	223	2	225	21	42	63	373
08:15 AM	2	65	67	229	5	234	23	49	72	373
08:30 AM	2	47	49	220	5	225	31	49	80	354
Total Volume	8	238	246	901	15	916	100	192	292	1454
% App. Total	3.3	96.7		98.4	1.6		34.2	65.8		
PHF	1.00	.717	.724	.984	.750	.979	.806	.923	.913	.975

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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:30 AM			07:00 AM			07:30 AM		
+0 mins.	3	55	58	234	7	241	22	58	80
+15 mins.	2	43	45	260	7	267	25	52	77
+30 mins.	2	83	85	201	10	211	21	42	63
+45 mins.	2	65	67	229	3	232	23	49	72
Total Volume	9	246	255	924	27	951	91	201	292
% App. Total	3.5	96.5		97.2	2.8		31.2	68.8	
PHF	.750	.741	.750	.888	.675	.890	.910	.866	.913

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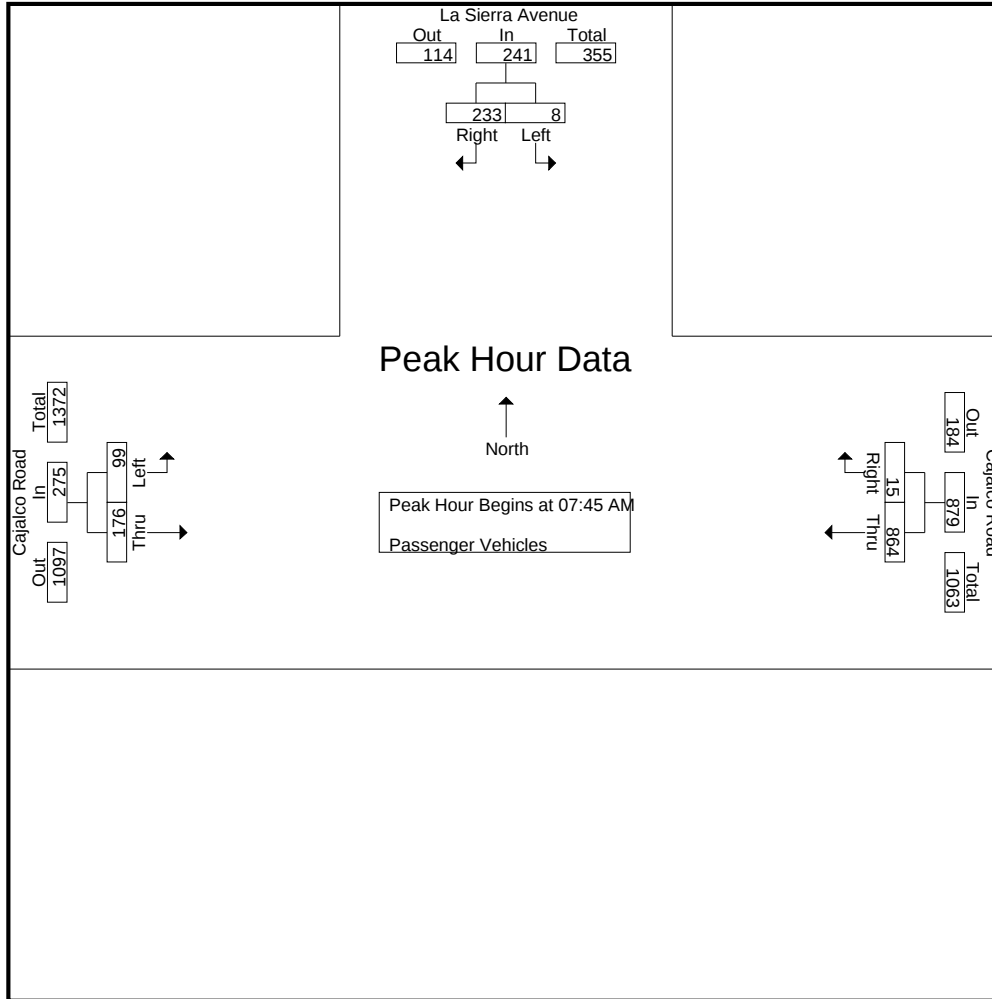
Groups Printed- Passenger Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	1	32	33	217	7	224	18	36	54	311
07:15 AM	5	32	37	247	7	254	20	37	57	348
07:30 AM	3	53	56	192	10	202	22	55	77	335
07:45 AM	2	42	44	217	3	220	25	48	73	337
Total	11	159	170	873	27	900	85	176	261	1331
08:00 AM	2	80	82	216	2	218	21	36	57	357
08:15 AM	2	65	67	217	5	222	23	44	67	356
08:30 AM	2	46	48	214	5	219	30	48	78	345
08:45 AM	2	32	34	165	4	169	32	40	72	275
Total	8	223	231	812	16	828	106	168	274	1333
Grand Total	19	382	401	1685	43	1728	191	344	535	2664
Apprch %	4.7	95.3		97.5	2.5		35.7	64.3		
Total %	0.7	14.3	15.1	63.3	1.6	64.9	7.2	12.9	20.1	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	2	42	44	217	3	220	25	48	73	337
08:00 AM	2	80	82	216	2	218	21	36	57	357
08:15 AM	2	65	67	217	5	222	23	44	67	356
08:30 AM	2	46	48	214	5	219	30	48	78	345
Total Volume	8	233	241	864	15	879	99	176	275	1395
% App. Total	3.3	96.7		98.3	1.7		36	64		
PHF	1.00	.728	.735	.995	.750	.990	.825	.917	.881	.977

County of Riverside
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Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:45 AM			07:45 AM		
+0 mins.	2	42	44	217	3	220	25	48	73
+15 mins.	2	80	82	216	2	218	21	36	57
+30 mins.	2	65	67	217	5	222	23	44	67
+45 mins.	2	46	48	214	5	219	30	48	78
Total Volume	8	233	241	864	15	879	99	176	275
% App. Total	3.3	96.7		98.3	1.7		36	64	
PHF	1.000	.728	.735	.995	.750	.990	.825	.917	.881

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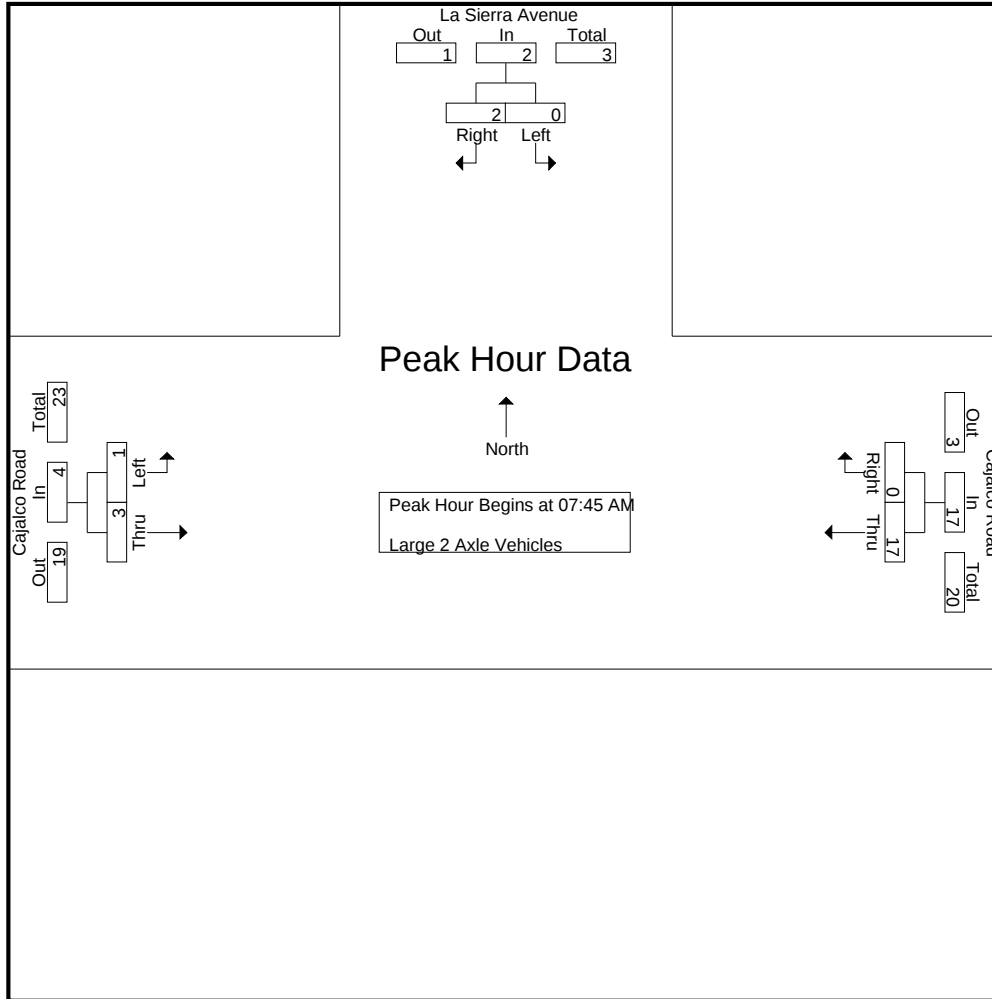
Groups Printed- Large 2 Axle Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	3	3	5	0	5	0	0	0	8
07:15 AM	0	1	1	2	0	2	0	1	1	4
07:30 AM	0	1	1	4	0	4	0	0	0	5
07:45 AM	0	0	0	5	0	5	0	1	1	6
Total	0	5	5	16	0	16	0	2	2	23
08:00 AM	0	2	2	5	0	5	0	1	1	8
08:15 AM	0	0	0	4	0	4	0	1	1	5
08:30 AM	0	0	0	3	0	3	1	0	1	4
08:45 AM	0	0	0	3	0	3	0	2	2	5
Total	0	2	2	15	0	15	1	4	5	22
Grand Total	0	7	7	31	0	31	1	6	7	45
Apprch %	0	100		100	0		14.3	85.7		
Total %	0	15.6	15.6	68.9	0	68.9	2.2	13.3	15.6	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	0	0	5	0	5	0	1	1	6
08:00 AM	0	2	2	5	0	5	0	1	1	8
08:15 AM	0	0	0	4	0	4	0	1	1	5
08:30 AM	0	0	0	3	0	3	1	0	1	4
Total Volume	0	2	2	17	0	17	1	3	4	23
% App. Total	0	100		100	0		25	75		
PHF	.000	.250	.250	.850	.000	.850	.250	.750	1.00	.719

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Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:45 AM			07:45 AM		
+0 mins.	0	0	0	5	0	5	0	1	1
+15 mins.	0	2	2	5	0	5	0	1	1
+30 mins.	0	0	0	4	0	4	0	1	1
+45 mins.	0	0	0	3	0	3	1	0	1
Total Volume	0	2	2	17	0	17	1	3	4
% App. Total	0	100		100	0		25	75	
PHF	.000	.250	.250	.850	.000	.850	.250	.750	1.000

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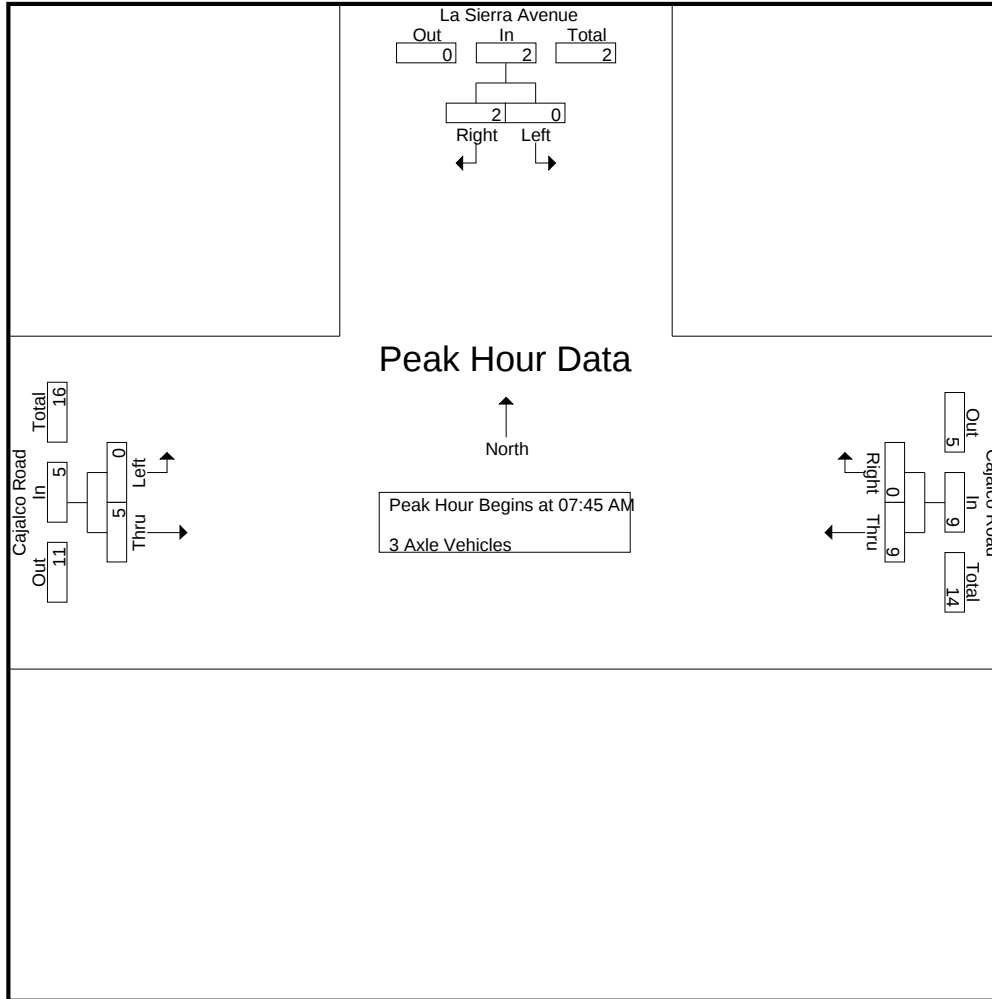
Groups Printed- 3 Axle Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	1	1	2	0	2	0	0	0	3
07:15 AM	0	0	0	4	0	4	0	1	1	5
07:30 AM	0	0	0	2	0	2	0	1	1	3
07:45 AM	0	1	1	3	0	3	0	1	1	5
Total	0	2	2	11	0	11	0	3	3	16
08:00 AM	0	0	0	1	0	1	0	2	2	3
08:15 AM	0	0	0	3	0	3	0	2	2	5
08:30 AM	0	1	1	2	0	2	0	0	0	3
08:45 AM	0	0	0	5	0	5	0	0	0	5
Total	0	1	1	11	0	11	0	4	4	16
Grand Total	0	3	3	22	0	22	0	7	7	32
Apprch %	0	100		100	0		0	100		
Total %	0	9.4	9.4	68.8	0	68.8	0	21.9	21.9	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	1	1	3	0	3	0	1	1	5
08:00 AM	0	0	0	1	0	1	0	2	2	3
08:15 AM	0	0	0	3	0	3	0	2	2	5
08:30 AM	0	1	1	2	0	2	0	0	0	3
Total Volume	0	2	2	9	0	9	0	5	5	16
% App. Total	0	100		100	0		0	100		
PHF	.000	.500	.500	.750	.000	.750	.000	.625	.625	.800

County of Riverside
N/S: La Sierra Avenue
E/W: Cajalco Road
Weather: Clear

File Name : 01_CRV_LS_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:45 AM			07:45 AM		
+0 mins.	0	1	1	3	0	3	0	1	1
+15 mins.	0	0	0	1	0	1	0	2	2
+30 mins.	0	0	0	3	0	3	0	2	2
+45 mins.	0	1	1	2	0	2	0	0	0
Total Volume	0	2	2	9	0	9	0	5	5
% App. Total	0	100		100	0		0	100	
PHF	.000	.500	.500	.750	.000	.750	.000	.625	.625

County of Riverside
N/S: La Sierra Avenue
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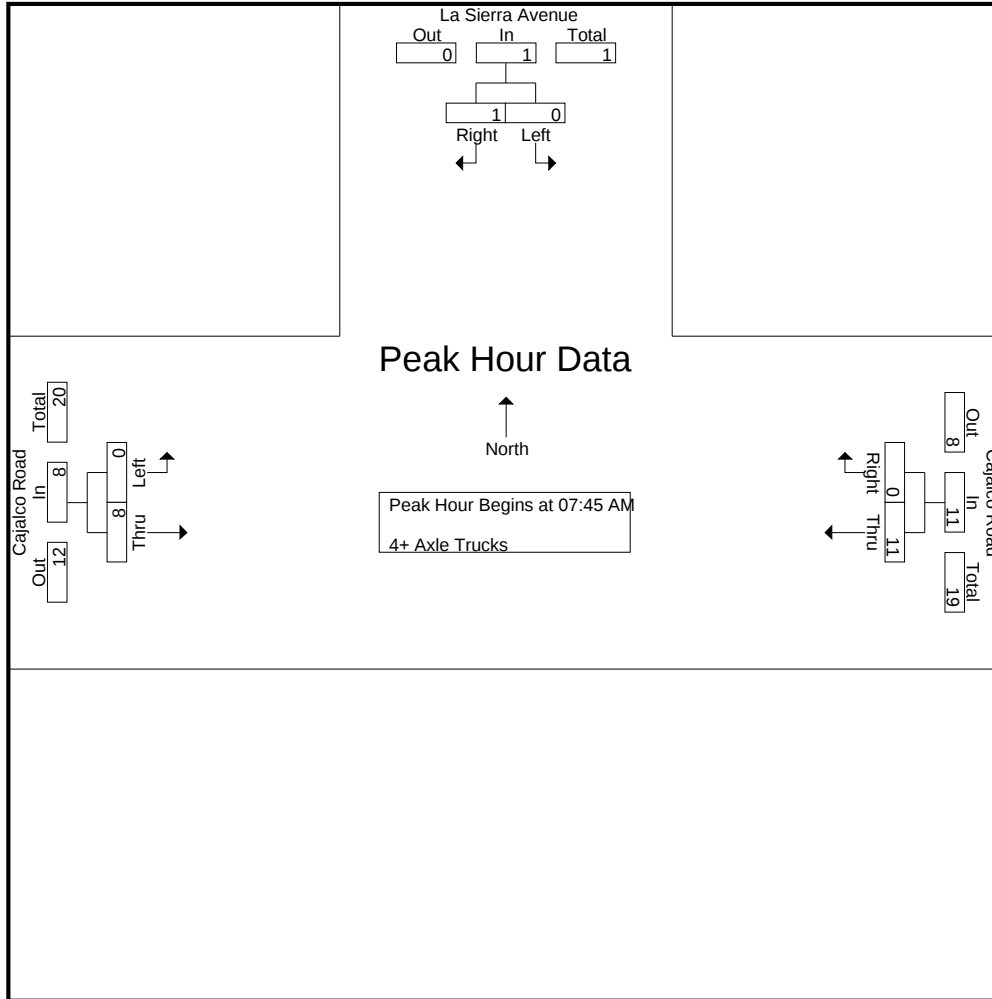
Groups Printed- 4+ Axle Trucks

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	10	0	10	0	3	3	13
07:15 AM	0	0	0	7	0	7	0	5	5	12
07:30 AM	0	1	1	3	0	3	0	2	2	6
07:45 AM	0	0	0	4	0	4	0	2	2	6
Total	0	1	1	24	0	24	0	12	12	37
08:00 AM	0	1	1	1	0	1	0	3	3	5
08:15 AM	0	0	0	5	0	5	0	2	2	7
08:30 AM	0	0	0	1	0	1	0	1	1	2
08:45 AM	0	0	0	9	0	9	0	3	3	12
Total	0	1	1	16	0	16	0	9	9	26
Grand Total	0	2	2	40	0	40	0	21	21	63
Apprch %	0	100		100	0		0	100		
Total %	0	3.2	3.2	63.5	0	63.5	0	33.3	33.3	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:45 AM										
07:45 AM	0	0	0	4	0	4	0	2	2	6
08:00 AM	0	1	1	1	0	1	0	3	3	5
08:15 AM	0	0	0	5	0	5	0	2	2	7
08:30 AM	0	0	0	1	0	1	0	1	1	2
Total Volume	0	1	1	11	0	11	0	8	8	20
% App. Total	0	100		100	0		0	100		
PHF	.000	.250	.250	.550	.000	.550	.000	.667	.667	.714

County of Riverside
N/S: La Sierra Avenue
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File Name : 01_CRV_LS_Caj AM
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Peak Hour Analysis From 07:45 AM to 08:30 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:45 AM			07:45 AM		
+0 mins.	0	0	0	4	0	4	0	2	2
+15 mins.	0	1	1	1	0	1	0	3	3
+30 mins.	0	0	0	5	0	5	0	2	2
+45 mins.	0	0	0	1	0	1	0	1	1
Total Volume	0	1	1	11	0	11	0	8	8
% App. Total	0	100		100	0		0	100	
PHF	.000	.250	.250	.550	.000	.550	.000	.667	.667

County of Riverside
N/S: La Sierra Avenue
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File Name : 01_CRV_LS_Caj PM
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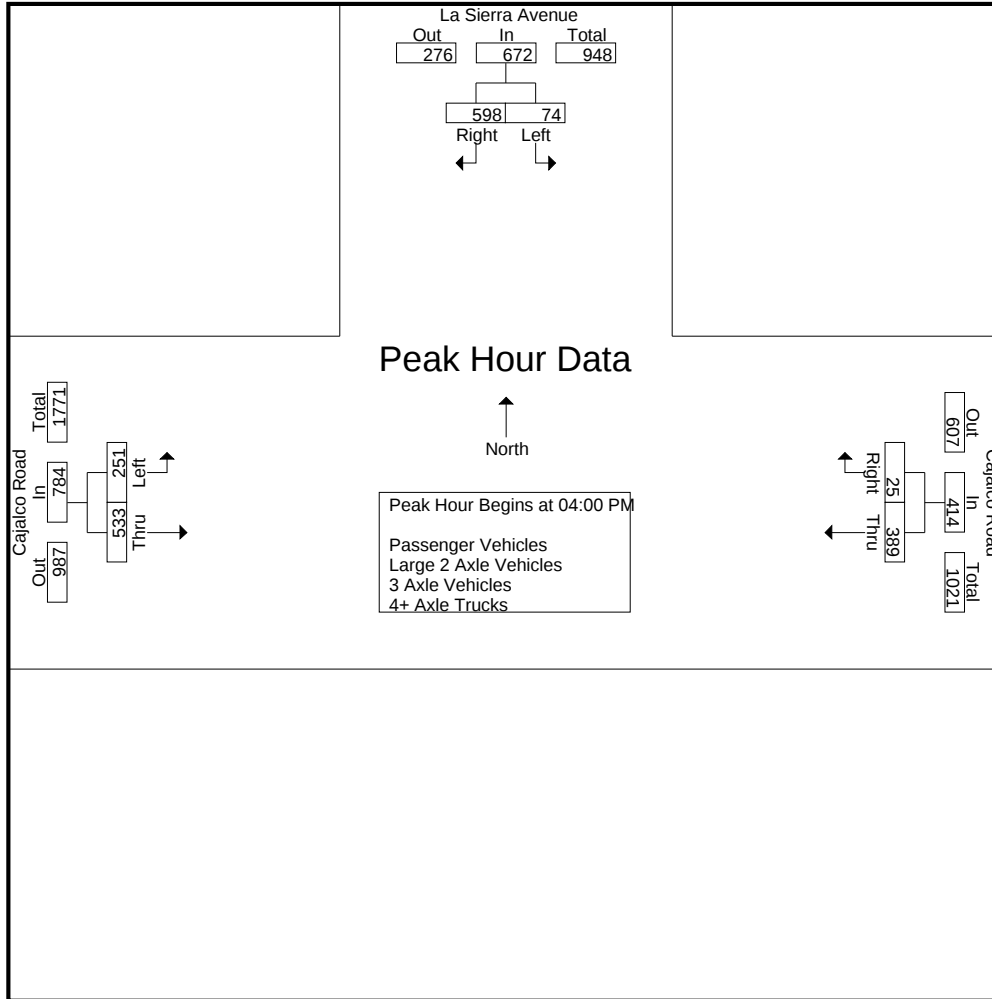
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	11	143	154	117	7	124	72	135	207	485
04:15 PM	18	148	166	90	3	93	63	150	213	472
04:30 PM	25	150	175	91	11	102	53	132	185	462
04:45 PM	20	157	177	91	4	95	63	116	179	451
Total	74	598	672	389	25	414	251	533	784	1870
05:00 PM	10	169	179	83	2	85	57	148	205	469
05:15 PM	17	156	173	85	3	88	56	151	207	468
05:30 PM	23	166	189	87	6	93	49	129	178	460
05:45 PM	23	118	141	64	4	68	62	109	171	380
Total	73	609	682	319	15	334	224	537	761	1777
Grand Total	147	1207	1354	708	40	748	475	1070	1545	3647
Apprch %	10.9	89.1		94.7	5.3		30.7	69.3		
Total %	4	33.1	37.1	19.4	1.1	20.5	13	29.3	42.4	
Passenger Vehicles	144	1206	1350	670	38	708	472	1031	1503	3561
% Passenger Vehicles	98	99.9	99.7	94.6	95	94.7	99.4	96.4	97.3	97.6
Large 2 Axle Vehicles	2	0	2	8	2	10	3	13	16	28
% Large 2 Axle Vehicles	1.4	0	0.1	1.1	5	1.3	0.6	1.2	1	0.8
3 Axle Vehicles	1	1	2	11	0	11	0	10	10	23
% 3 Axle Vehicles	0.7	0.1	0.1	1.6	0	1.5	0	0.9	0.6	0.6
4+ Axle Trucks	0	0	0	19	0	19	0	16	16	35
% 4+ Axle Trucks	0	0	0	2.7	0	2.5	0	1.5	1	1

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	11	143	154	117	7	124	72	135	207	485
04:15 PM	18	148	166	90	3	93	63	150	213	472
04:30 PM	25	150	175	91	11	102	53	132	185	462
04:45 PM	20	157	177	91	4	95	63	116	179	451
Total Volume	74	598	672	389	25	414	251	533	784	1870
% App. Total	11	89		94	6		32	68		
PHF	.740	.952	.949	.831	.568	.835	.872	.888	.920	.964

County of Riverside
N/S: La Sierra Avenue
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Weather: Clear

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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM			04:00 PM			04:00 PM		
+0 mins.	20	157	177	117	7	124	72	135	207
+15 mins.	10	169	179	90	3	93	63	150	213
+30 mins.	17	156	173	91	11	102	53	132	185
+45 mins.	23	166	189	91	4	95	63	116	179
Total Volume	70	648	718	389	25	414	251	533	784
% App. Total	9.7	90.3		94	6		32	68	
PHF	.761	.959	.950	.831	.568	.835	.872	.888	.920

County of Riverside
N/S: La Sierra Avenue
E/W: Cajalco Road
Weather: Clear

File Name : 01_CRV_LS_Caj PM
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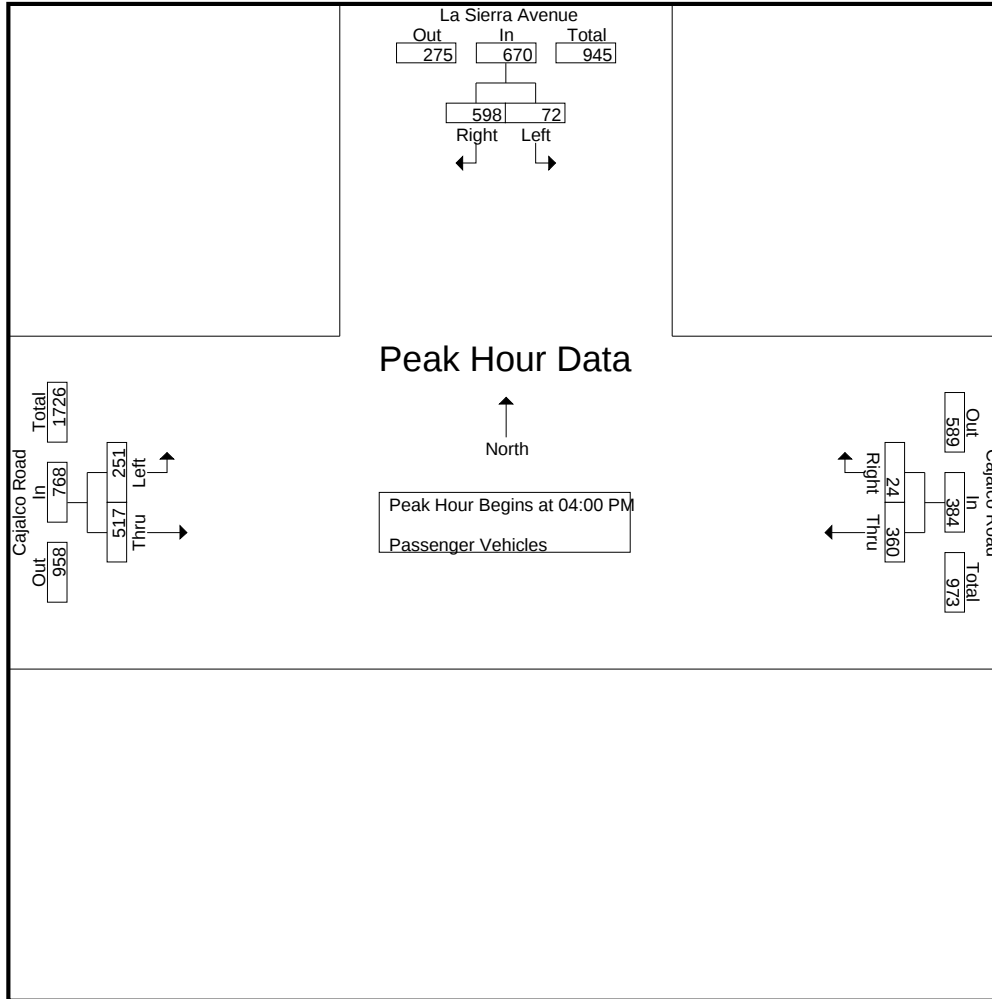
Groups Printed- Passenger Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	11	143	154	103	7	110	72	129	201	465
04:15 PM	16	148	164	83	3	86	63	147	210	460
04:30 PM	25	150	175	89	11	100	53	127	180	455
04:45 PM	20	157	177	85	3	88	63	114	177	442
Total	72	598	670	360	24	384	251	517	768	1822
05:00 PM	10	169	179	81	2	83	55	143	198	460
05:15 PM	16	156	172	85	3	88	56	145	201	461
05:30 PM	23	165	188	82	6	88	48	122	170	446
05:45 PM	23	118	141	62	3	65	62	104	166	372
Total	72	608	680	310	14	324	221	514	735	1739
Grand Total	144	1206	1350	670	38	708	472	1031	1503	3561
Apprch %	10.7	89.3		94.6	5.4		31.4	68.6		
Total %	4	33.9	37.9	18.8	1.1	19.9	13.3	29	42.2	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	11	143	154	103	7	110	72	129	201	465
04:15 PM	16	148	164	83	3	86	63	147	210	460
04:30 PM	25	150	175	89	11	100	53	127	180	455
04:45 PM	20	157	177	85	3	88	63	114	177	442
Total Volume	72	598	670	360	24	384	251	517	768	1822
% App. Total	10.7	89.3		93.8	6.2		32.7	67.3		
PHF	.720	.952	.946	.874	.545	.873	.872	.879	.914	.980

County of Riverside
N/S: La Sierra Avenue
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Weather: Clear

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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	11	143	154	103	7	110	72	129	201
+15 mins.	16	148	164	83	3	86	63	147	210
+30 mins.	25	150	175	89	11	100	53	127	180
+45 mins.	20	157	177	85	3	88	63	114	177
Total Volume	72	598	670	360	24	384	251	517	768
% App. Total	10.7	89.3		93.8	6.2		32.7	67.3	
PHF	.720	.952	.946	.874	.545	.873	.872	.879	.914

County of Riverside
N/S: La Sierra Avenue
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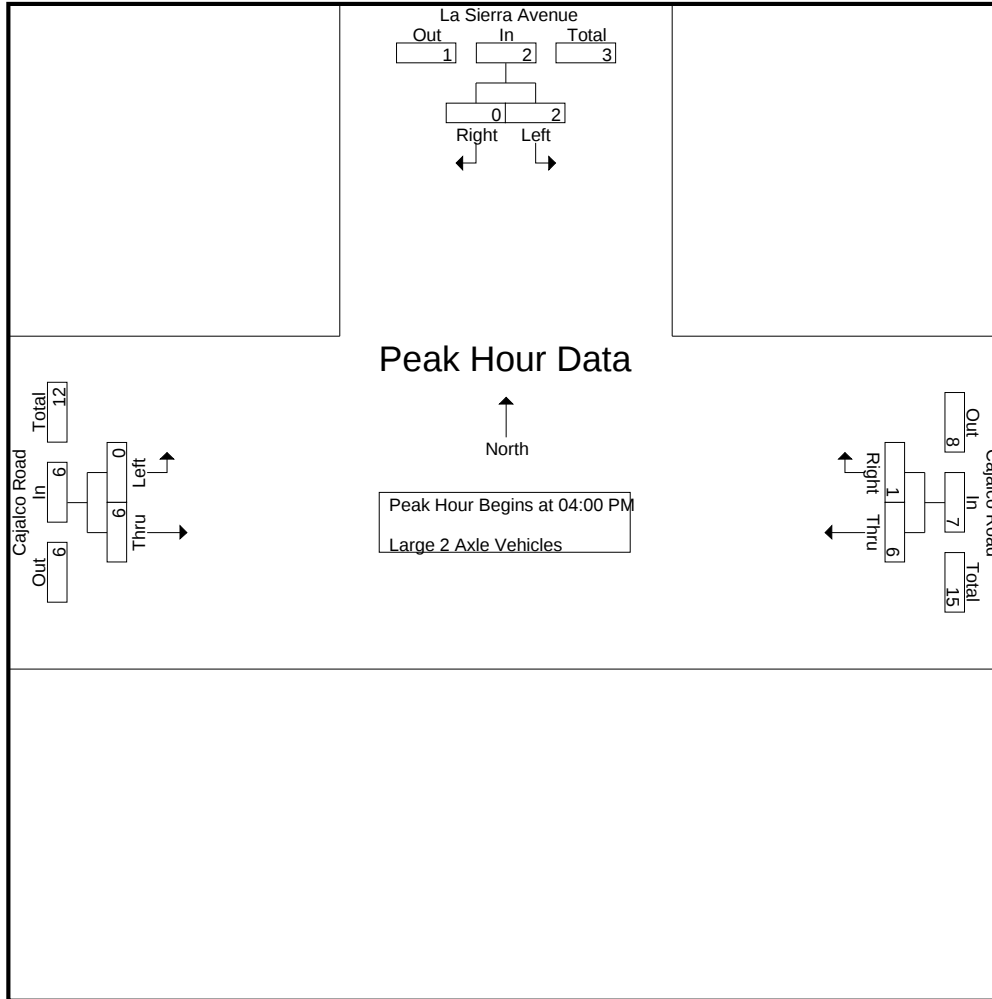
Groups Printed- Large 2 Axle Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	2	0	2	0	3	3	5
04:15 PM	2	0	2	3	0	3	0	2	2	7
04:30 PM	0	0	0	0	0	0	0	1	1	1
04:45 PM	0	0	0	1	1	2	0	0	0	2
Total	2	0	2	6	1	7	0	6	6	15
05:00 PM	0	0	0	0	0	0	2	0	2	2
05:15 PM	0	0	0	0	0	0	0	2	2	2
05:30 PM	0	0	0	2	0	2	1	2	3	5
05:45 PM	0	0	0	0	1	1	0	3	3	4
Total	0	0	0	2	1	3	3	7	10	13
Grand Total	2	0	2	8	2	10	3	13	16	28
Apprch %	100	0		80	20		18.8	81.2		
Total %	7.1	0	7.1	28.6	7.1	35.7	10.7	46.4	57.1	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	0	0	2	0	2	0	3	3	5
04:15 PM	2	0	2	3	0	3	0	2	2	7
04:30 PM	0	0	0	0	0	0	0	1	1	1
04:45 PM	0	0	0	1	1	2	0	0	0	2
Total Volume	2	0	2	6	1	7	0	6	6	15
% App. Total	100	0		85.7	14.3		0	100		
PHF	.250	.000	.250	.500	.250	.583	.000	.500	.500	.536

County of Riverside
N/S: La Sierra Avenue
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	0	0	2	0	2	0	3	3
+15 mins.	2	0	2	3	0	3	0	2	2
+30 mins.	0	0	0	0	0	0	0	1	1
+45 mins.	0	0	0	1	1	2	0	0	0
Total Volume	2	0	2	6	1	7	0	6	6
% App. Total	100	0		85.7	14.3		0	100	
PHF	.250	.000	.250	.500	.250	.583	.000	.500	.500

County of Riverside
N/S: La Sierra Avenue
E/W: Cajalco Road
Weather: Clear

File Name : 01_CRV_LS_Caj PM
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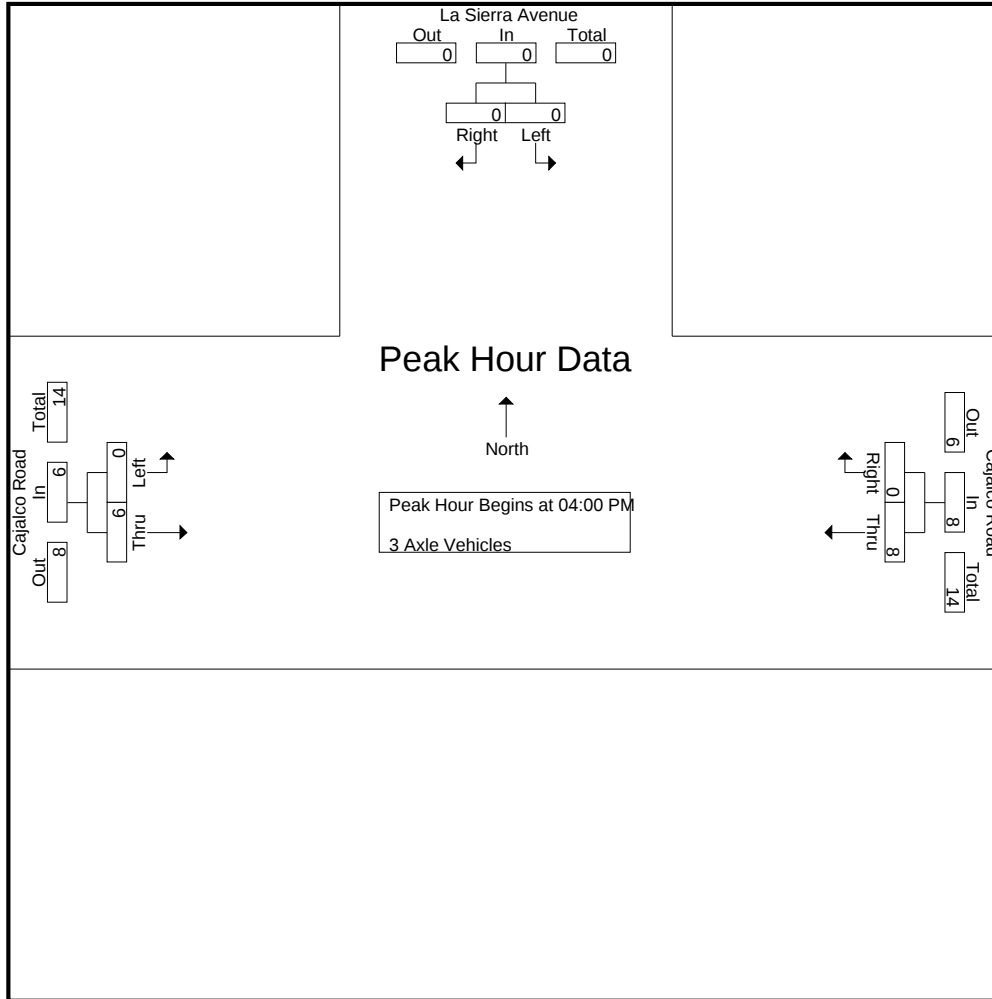
Groups Printed- 3 Axle Vehicles

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	2	0	2	0	2	2	4
04:15 PM	0	0	0	3	0	3	0	1	1	4
04:30 PM	0	0	0	1	0	1	0	1	1	2
04:45 PM	0	0	0	2	0	2	0	2	2	4
Total	0	0	0	8	0	8	0	6	6	14
05:00 PM	0	0	0	1	0	1	0	1	1	2
05:15 PM	1	0	1	0	0	0	0	1	1	2
05:30 PM	0	1	1	2	0	2	0	2	2	5
05:45 PM	0	0	0	0	0	0	0	0	0	0
Total	1	1	2	3	0	3	0	4	4	9
Grand Total	1	1	2	11	0	11	0	10	10	23
Apprch %	50	50		100	0		0	100		
Total %	4.3	4.3	8.7	47.8	0	47.8	0	43.5	43.5	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	0	0	2	0	2	0	2	2	4
04:15 PM	0	0	0	3	0	3	0	1	1	4
04:30 PM	0	0	0	1	0	1	0	1	1	2
04:45 PM	0	0	0	2	0	2	0	2	2	4
Total Volume	0	0	0	8	0	8	0	6	6	14
% App. Total	0	0		100	0		0	100		
PHF	.000	.000	.000	.667	.000	.667	.000	.750	.750	.875

County of Riverside
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Weather: Clear

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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	0	0	2	0	2	0	2	2
+15 mins.	0	0	0	3	0	3	0	1	1
+30 mins.	0	0	0	1	0	1	0	1	1
+45 mins.	0	0	0	2	0	2	0	2	2
Total Volume	0	0	0	8	0	8	0	6	6
% App. Total	0	0	0	100	0	100	0	100	100
PHF	.000	.000	.000	.667	.000	.667	.000	.750	.750

County of Riverside
N/S: La Sierra Avenue
E/W: Cajalco Road
Weather: Clear

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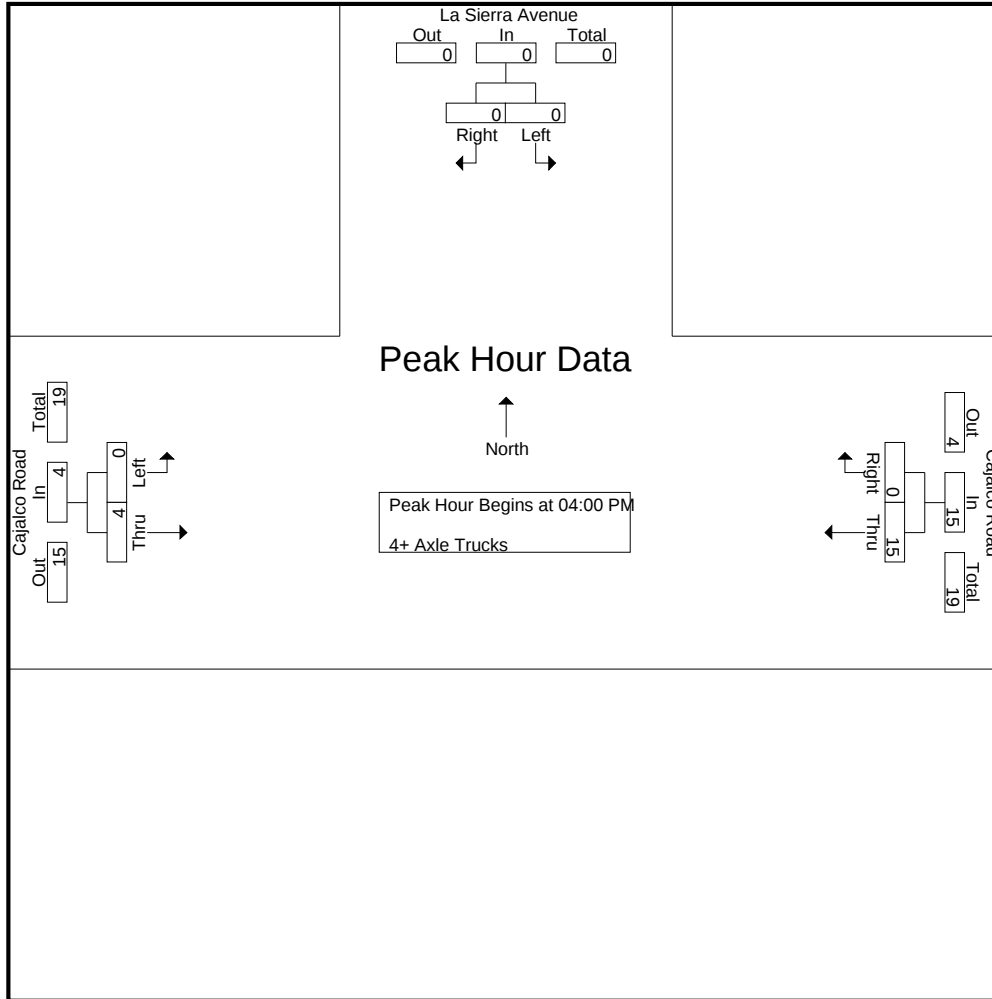
Groups Printed- 4+ Axle Trucks

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	10	0	10	0	1	1	11
04:15 PM	0	0	0	1	0	1	0	0	0	1
04:30 PM	0	0	0	1	0	1	0	3	3	4
04:45 PM	0	0	0	3	0	3	0	0	0	3
Total	0	0	0	15	0	15	0	4	4	19
05:00 PM	0	0	0	1	0	1	0	4	4	5
05:15 PM	0	0	0	0	0	0	0	3	3	3
05:30 PM	0	0	0	1	0	1	0	3	3	4
05:45 PM	0	0	0	2	0	2	0	2	2	4
Total	0	0	0	4	0	4	0	12	12	16
Grand Total	0	0	0	19	0	19	0	16	16	35
Apprch %	0	0		100	0		0	100		
Total %	0	0	0	54.3	0	54.3	0	45.7	45.7	

	La Sierra Avenue Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	0	0	10	0	10	0	1	1	11
04:15 PM	0	0	0	1	0	1	0	0	0	1
04:30 PM	0	0	0	1	0	1	0	3	3	4
04:45 PM	0	0	0	3	0	3	0	0	0	3
Total Volume	0	0	0	15	0	15	0	4	4	19
% App. Total	0	0		100	0		0	100		
PHF	.000	.000	.000	.375	.000	.375	.000	.333	.333	.432

County of Riverside
N/S: La Sierra Avenue
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	0	0	10	0	10	0	1	1
+15 mins.	0	0	0	1	0	1	0	0	0
+30 mins.	0	0	0	1	0	1	0	3	3
+45 mins.	0	0	0	3	0	3	0	0	0
Total Volume	0	0	0	15	0	15	0	4	4
% App. Total	0	0	0	100	0	100	0	100	100
PHF	.000	.000	.000	.375	.000	.375	.000	.333	.333

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

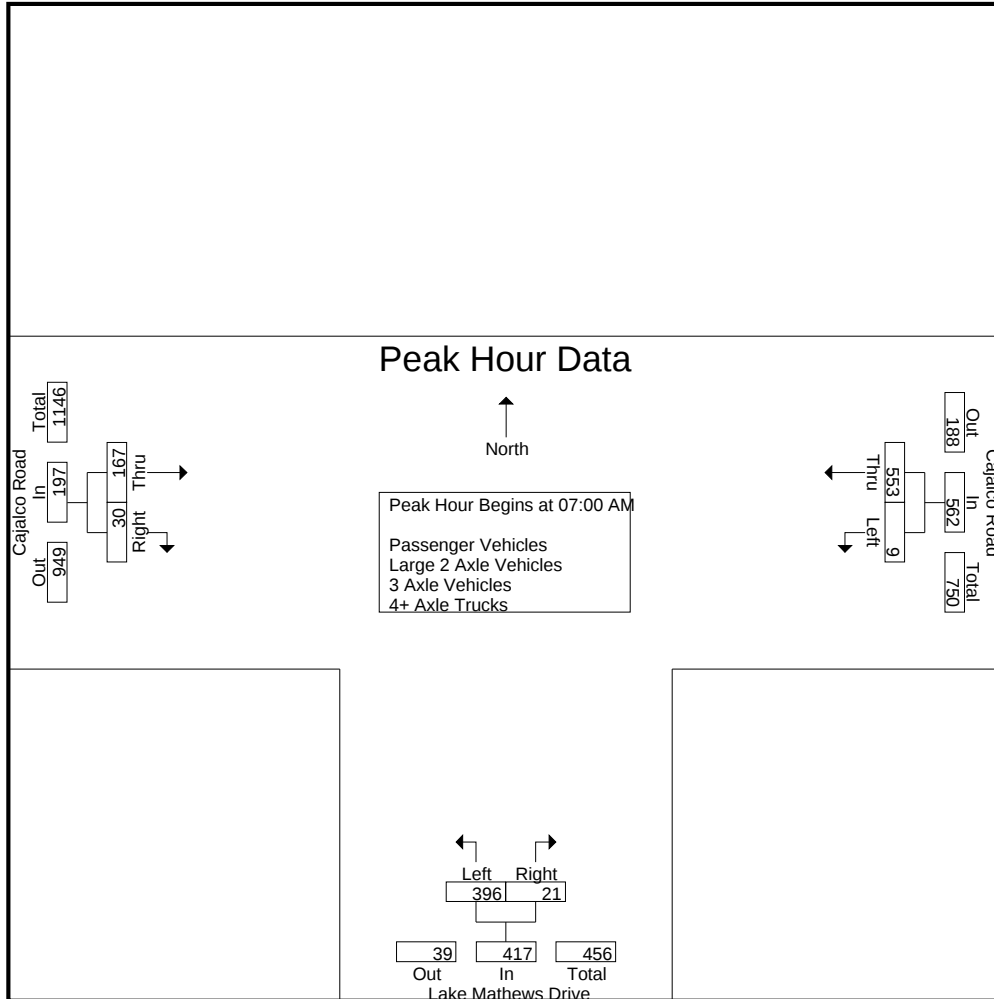
	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	1	154	155	104	6	110	32	9	41	306
07:15 AM	3	123	126	115	3	118	36	5	41	285
07:30 AM	3	126	129	85	4	89	56	8	64	282
07:45 AM	2	150	152	92	8	100	43	8	51	303
Total	9	553	562	396	21	417	167	30	197	1176
08:00 AM	3	154	157	83	5	88	37	9	46	291
08:15 AM	2	135	137	102	2	104	34	15	49	290
08:30 AM	1	145	146	49	7	56	25	17	42	244
08:45 AM	1	123	124	58	3	61	38	17	55	240
Total	7	557	564	292	17	309	134	58	192	1065
Grand Total	16	1110	1126	688	38	726	301	88	389	2241
Apprch %	1.4	98.6		94.8	5.2		77.4	22.6		
Total %	0.7	49.5	50.2	30.7	1.7	32.4	13.4	3.9	17.4	
Passenger Vehicles	15	1031	1046	666	38	704	277	78	355	2105
% Passenger Vehicles	93.8	92.9	92.9	96.8	100	97	92	88.6	91.3	93.9
Large 2 Axle Vehicles	0	24	24	13	0	13	5	4	9	46
% Large 2 Axle Vehicles	0	2.2	2.1	1.9	0	1.8	1.7	4.5	2.3	2.1
3 Axle Vehicles	0	20	20	6	0	6	0	2	2	28
% 3 Axle Vehicles	0	1.8	1.8	0.9	0	0.8	0	2.3	0.5	1.2
4+ Axle Trucks	1	35	36	3	0	3	19	4	23	62
% 4+ Axle Trucks	6.2	3.2	3.2	0.4	0	0.4	6.3	4.5	5.9	2.8

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	1	154	155	104	6	110	32	9	41	306
07:15 AM	3	123	126	115	3	118	36	5	41	285
07:30 AM	3	126	129	85	4	89	56	8	64	282
07:45 AM	2	150	152	92	8	100	43	8	51	303
Total Volume	9	553	562	396	21	417	167	30	197	1176
% App. Total	1.6	98.4		95	5		84.8	15.2		
PHF	.750	.898	.906	.861	.656	.883	.746	.833	.770	.961

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 07:00 AM

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:00 AM			07:30 AM		
+0 mins.	2	150	152	104	6	110	56	8	64
+15 mins.	3	154	157	115	3	118	43	8	51
+30 mins.	2	135	137	85	4	89	37	9	46
+45 mins.	1	145	146	92	8	100	34	15	49
Total Volume	8	584	592	396	21	417	170	40	210
% App. Total	1.4	98.6		95	5		81	19	
PHF	.667	.948	.943	.861	.656	.883	.759	.667	.820

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj AM
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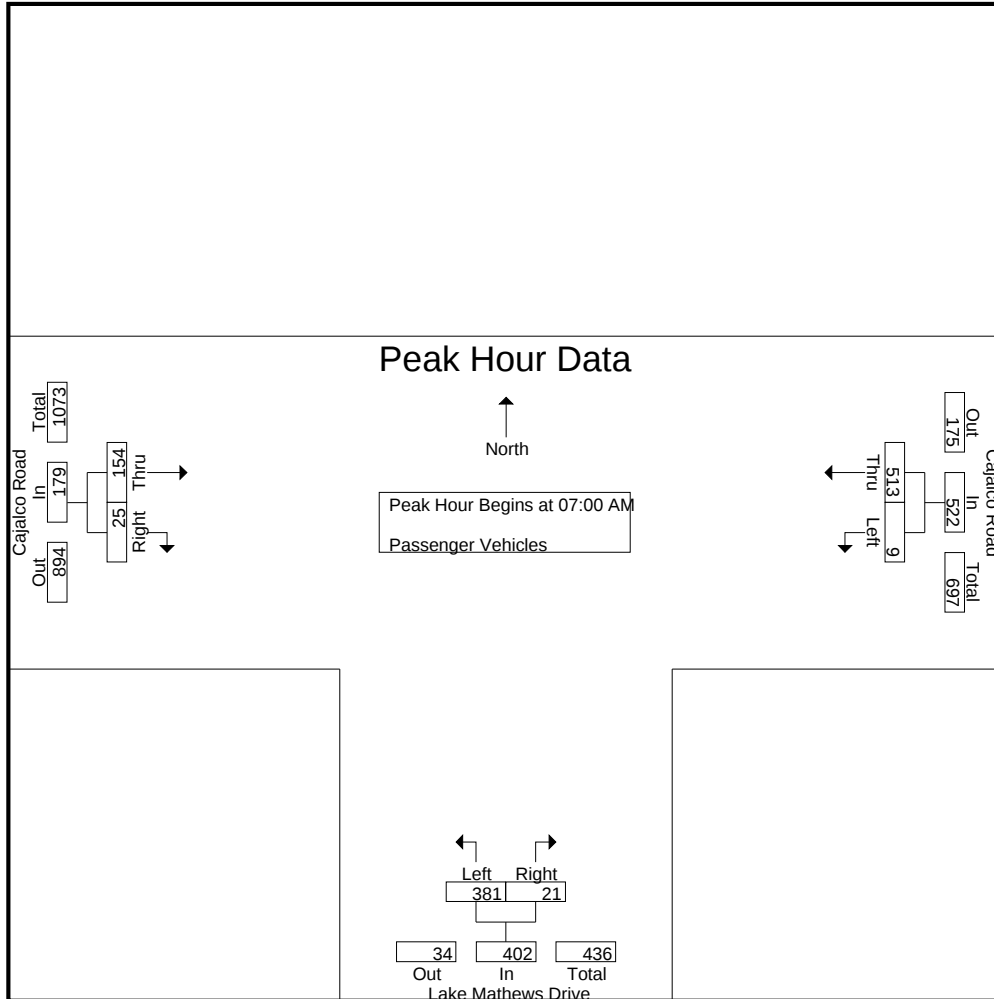
Groups Printed- Passenger Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	1	137	138	101	6	107	30	8	38	283
07:15 AM	3	116	119	111	3	114	31	3	34	267
07:30 AM	3	119	122	80	4	84	55	6	61	267
07:45 AM	2	141	143	89	8	97	38	8	46	286
Total	9	513	522	381	21	402	154	25	179	1103
08:00 AM	2	143	145	80	5	85	33	7	40	270
08:15 AM	2	132	134	100	2	102	31	12	43	279
08:30 AM	1	138	139	47	7	54	25	17	42	235
08:45 AM	1	105	106	58	3	61	34	17	51	218
Total	6	518	524	285	17	302	123	53	176	1002
Grand Total	15	1031	1046	666	38	704	277	78	355	2105
Apprch %	1.4	98.6		94.6	5.4		78	22		
Total %	0.7	49	49.7	31.6	1.8	33.4	13.2	3.7	16.9	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	1	137	138	101	6	107	30	8	38	283
07:15 AM	3	116	119	111	3	114	31	3	34	267
07:30 AM	3	119	122	80	4	84	55	6	61	267
07:45 AM	2	141	143	89	8	97	38	8	46	286
Total Volume	9	513	522	381	21	402	154	25	179	1103
% App. Total	1.7	98.3		94.8	5.2		86	14		
PHF	.750	.910	.913	.858	.656	.882	.700	.781	.734	.964

County of Riverside
 N/S: Lake Mathews Drive
 E/W: Cajalco Road
 Weather: Clear

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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:00 AM		
+0 mins.	1	137	138	101	6	107	30	8	38
+15 mins.	3	116	119	111	3	114	31	3	34
+30 mins.	3	119	122	80	4	84	55	6	61
+45 mins.	2	141	143	89	8	97	38	8	46
Total Volume	9	513	522	381	21	402	154	25	179
% App. Total	1.7	98.3		94.8	5.2		86	14	
PHF	.750	.910	.913	.858	.656	.882	.700	.781	.734

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj AM
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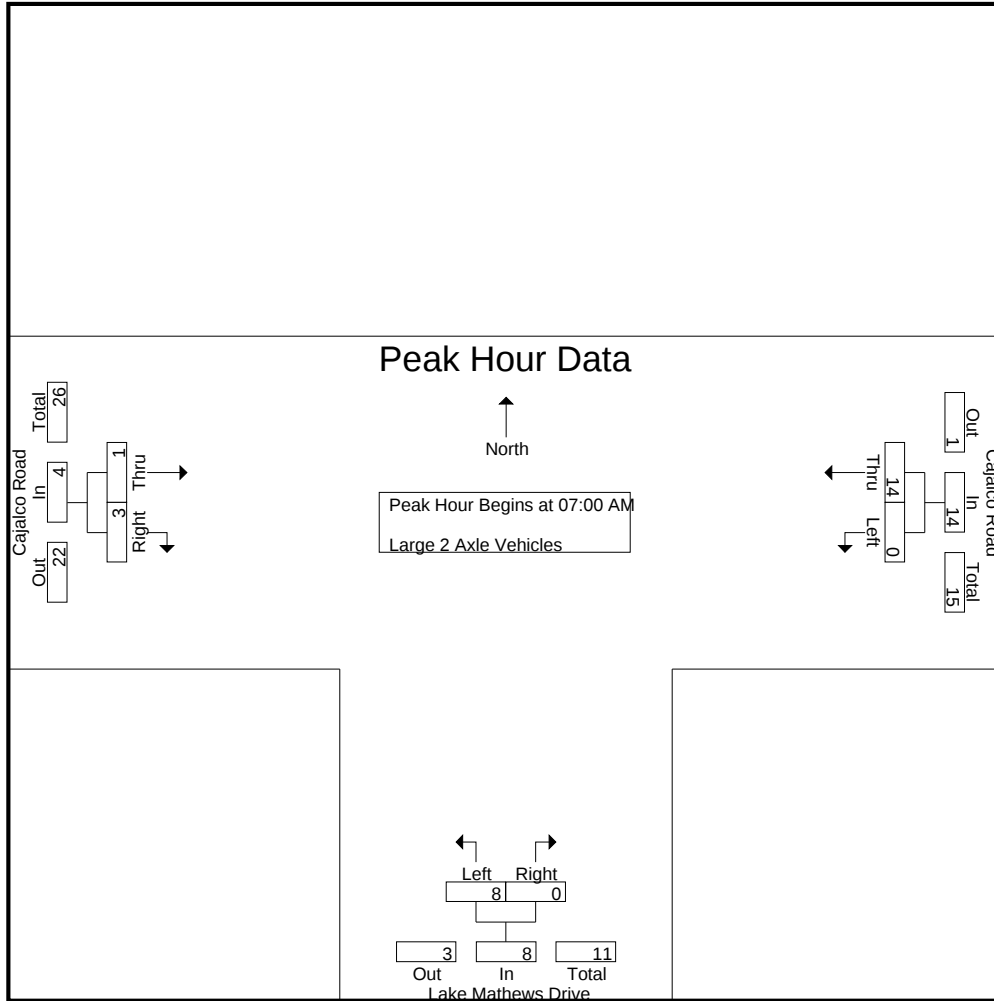
Groups Printed- Large 2 Axle Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	0	3	3	1	0	1	0	1	1	5
07:15 AM	0	2	2	1	0	1	0	1	1	4
07:30 AM	0	3	3	3	0	3	0	1	1	7
07:45 AM	0	6	6	3	0	3	1	0	1	10
Total	0	14	14	8	0	8	1	3	4	26
08:00 AM	0	4	4	3	0	3	2	0	2	9
08:15 AM	0	0	0	0	0	0	0	1	1	1
08:30 AM	0	5	5	2	0	2	0	0	0	7
08:45 AM	0	1	1	0	0	0	2	0	2	3
Total	0	10	10	5	0	5	4	1	5	20
Grand Total	0	24	24	13	0	13	5	4	9	46
Apprch %	0	100		100	0		55.6	44.4		
Total %	0	52.2	52.2	28.3	0	28.3	10.9	8.7	19.6	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	0	3	3	1	0	1	0	1	1	5
07:15 AM	0	2	2	1	0	1	0	1	1	4
07:30 AM	0	3	3	3	0	3	0	1	1	7
07:45 AM	0	6	6	3	0	3	1	0	1	10
Total Volume	0	14	14	8	0	8	1	3	4	26
% App. Total	0	100		100	0		25	75		
PHF	.000	.583	.583	.667	.000	.667	.250	.750	1.00	.650

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:00 AM		
+0 mins.	0	3	3	1	0	1	0	1	1
+15 mins.	0	2	2	1	0	1	0	1	1
+30 mins.	0	3	3	3	0	3	0	1	1
+45 mins.	0	6	6	3	0	3	1	0	1
Total Volume	0	14	14	8	0	8	1	3	4
% App. Total	0	100		100	0		25	75	
PHF	.000	.583	.583	.667	.000	.667	.250	.750	1.000

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj AM
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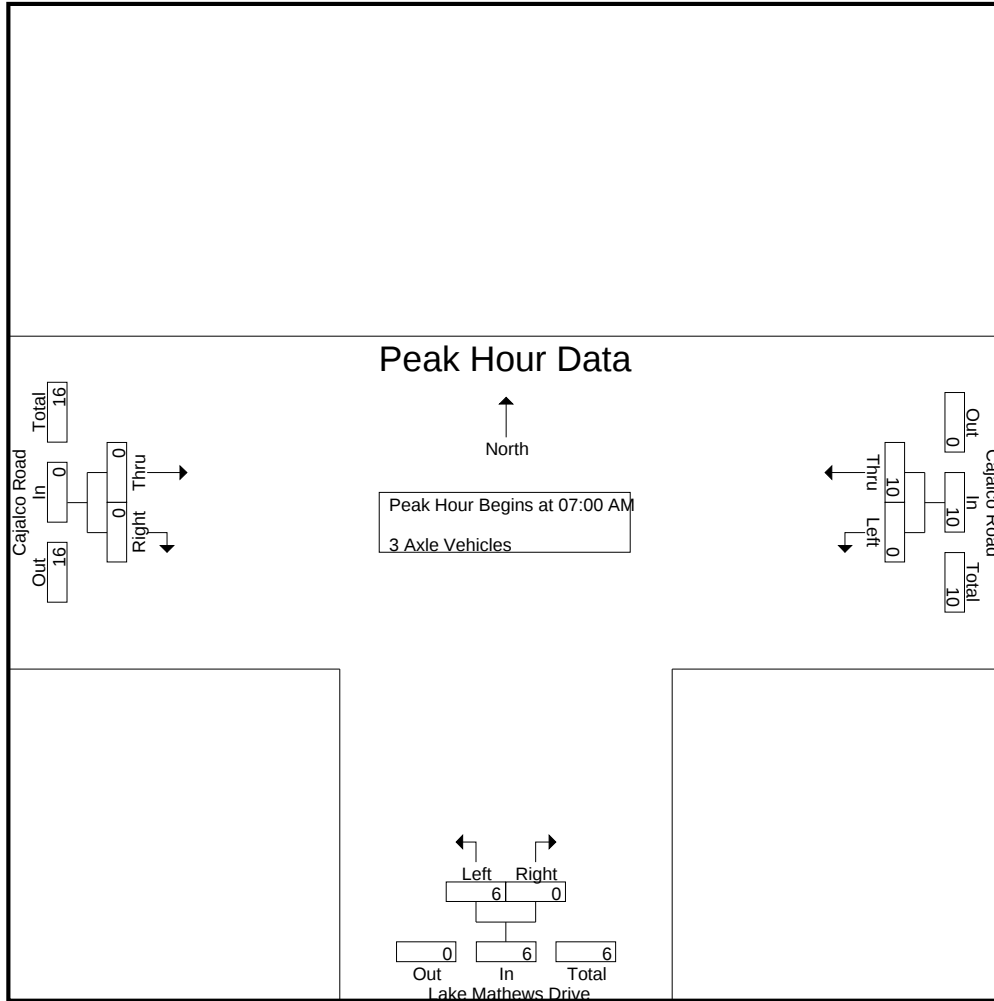
Groups Printed- 3 Axle Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	0	6	6	2	0	2	0	0	0	8
07:15 AM	0	2	2	2	0	2	0	0	0	4
07:30 AM	0	2	2	2	0	2	0	0	0	4
07:45 AM	0	0	0	0	0	0	0	0	0	0
Total	0	10	10	6	0	6	0	0	0	16
08:00 AM	0	3	3	0	0	0	0	1	1	4
08:15 AM	0	3	3	0	0	0	0	1	1	4
08:30 AM	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	4	4	0	0	0	0	0	0	4
Total	0	10	10	0	0	0	0	2	2	12
Grand Total	0	20	20	6	0	6	0	2	2	28
Apprch %	0	100		100	0		0	100		
Total %	0	71.4	71.4	21.4	0	21.4	0	7.1	7.1	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	0	6	6	2	0	2	0	0	0	8
07:15 AM	0	2	2	2	0	2	0	0	0	4
07:30 AM	0	2	2	2	0	2	0	0	0	4
07:45 AM	0	0	0	0	0	0	0	0	0	0
Total Volume	0	10	10	6	0	6	0	0	0	16
% App. Total	0	100		100	0		0	0		
PHF	.000	.417	.417	.750	.000	.750	.000	.000	.000	.500

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:00 AM		
+0 mins.	0	6	6	2	0	2	0	0	0
+15 mins.	0	2	2	2	0	2	0	0	0
+30 mins.	0	2	2	2	0	2	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0
Total Volume	0	10	10	6	0	6	0	0	0
% App. Total	0	100		100	0		0	0	
PHF	.000	.417	.417	.750	.000	.750	.000	.000	.000

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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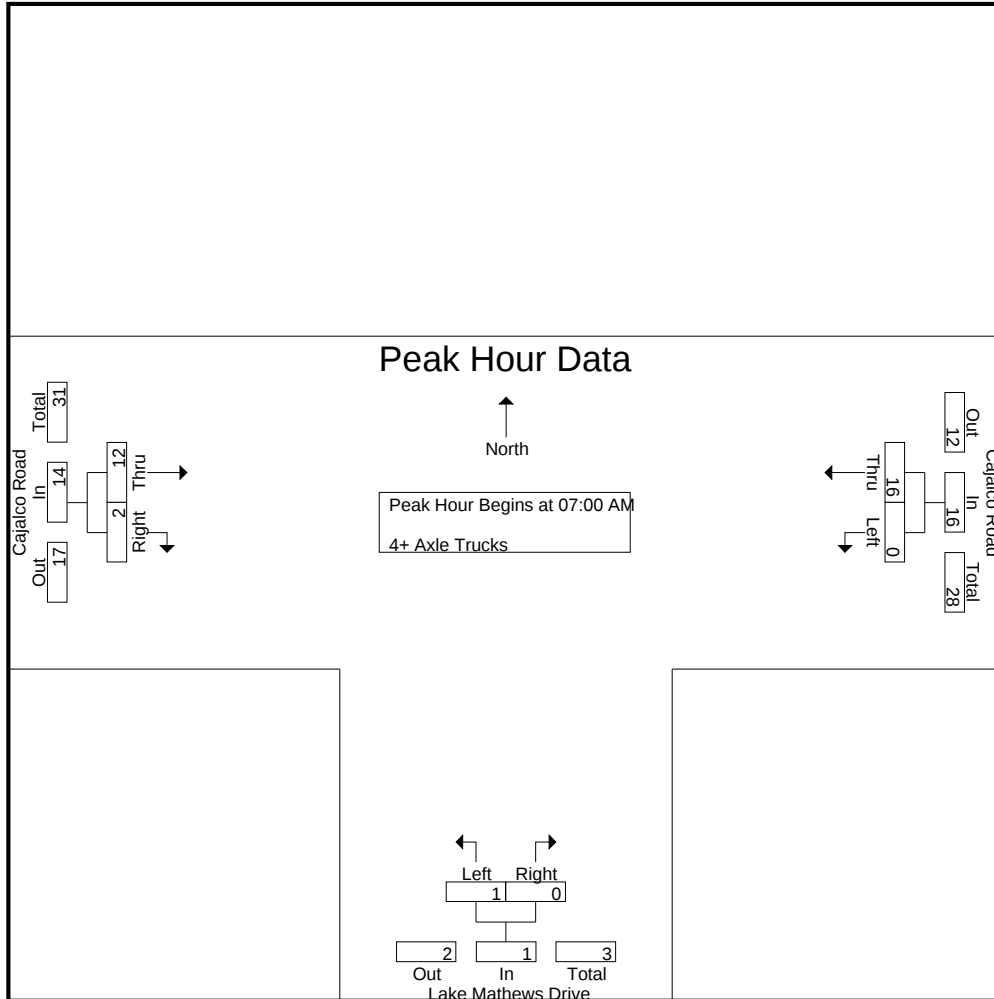
Groups Printed- 4+ Axle Trucks

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
07:00 AM	0	8	8	0	0	0	2	0	2	10
07:15 AM	0	3	3	1	0	1	5	1	6	10
07:30 AM	0	2	2	0	0	0	1	1	2	4
07:45 AM	0	3	3	0	0	0	4	0	4	7
Total	0	16	16	1	0	1	12	2	14	31
08:00 AM	1	4	5	0	0	0	2	1	3	8
08:15 AM	0	0	0	2	0	2	3	1	4	6
08:30 AM	0	2	2	0	0	0	0	0	0	2
08:45 AM	0	13	13	0	0	0	2	0	2	15
Total	1	19	20	2	0	2	7	2	9	31
Grand Total	1	35	36	3	0	3	19	4	23	62
Apprch %	2.8	97.2		100	0		82.6	17.4		
Total %	1.6	56.5	58.1	4.8	0	4.8	30.6	6.5	37.1	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 07:00 AM										
07:00 AM	0	8	8	0	0	0	2	0	2	10
07:15 AM	0	3	3	1	0	1	5	1	6	10
07:30 AM	0	2	2	0	0	0	1	1	2	4
07:45 AM	0	3	3	0	0	0	4	0	4	7
Total Volume	0	16	16	1	0	1	12	2	14	31
% App. Total	0	100		100	0		85.7	14.3		
PHF	.000	.500	.500	.250	.000	.250	.600	.500	.583	.775

County of Riverside
 N/S: Lake Mathews Drive
 E/W: Cajalco Road
 Weather: Clear

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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	07:00 AM			07:00 AM			07:00 AM		
+0 mins.	0	8	8	0	0	0	2	0	2
+15 mins.	0	3	3	1	0	1	5	1	6
+30 mins.	0	2	2	0	0	0	1	1	2
+45 mins.	0	3	3	0	0	0	4	0	4
Total Volume	0	16	16	1	0	1	12	2	14
% App. Total	0	100		100	0		85.7	14.3	
PHF	.000	.500	.500	.250	.000	.250	.600	.500	.583

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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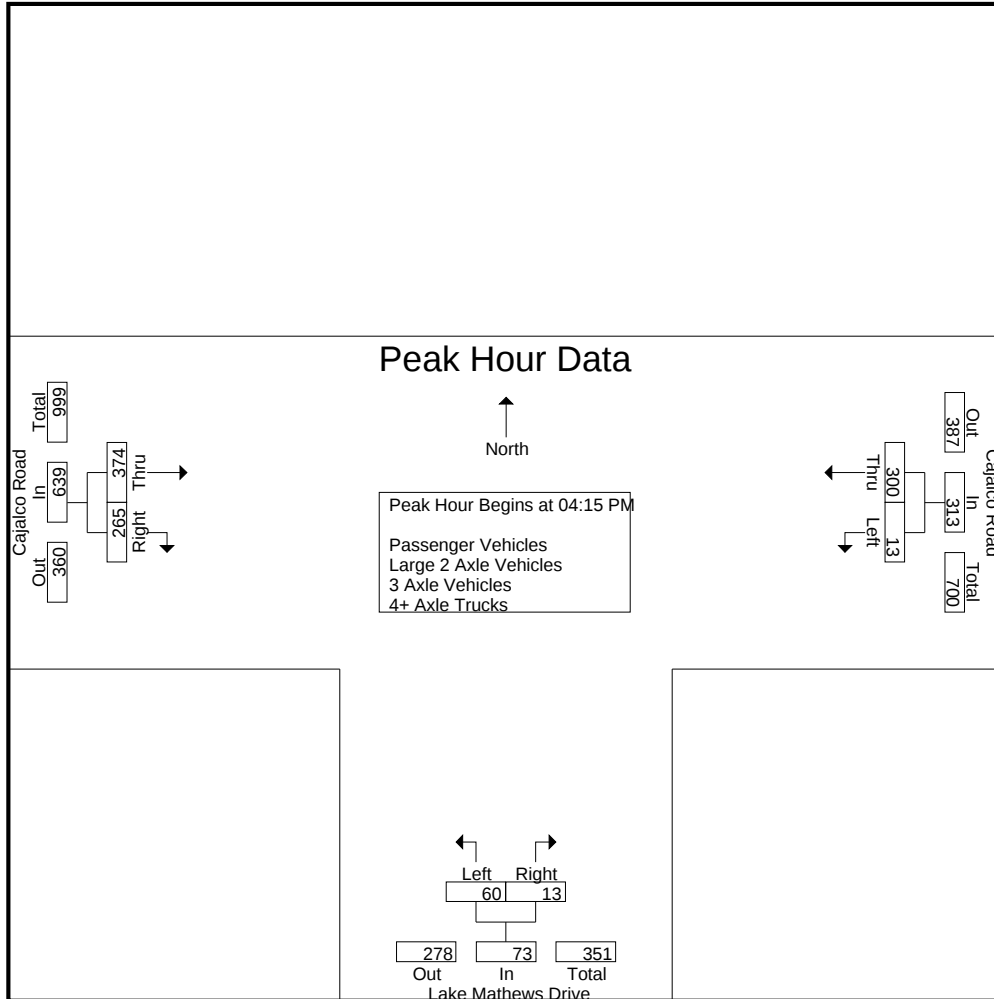
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
04:00 PM	0	97	97	18	5	23	80	38	118	238
04:15 PM	4	68	72	16	3	19	91	82	173	264
04:30 PM	2	80	82	15	3	18	102	58	160	260
04:45 PM	4	79	83	14	2	16	89	60	149	248
Total	10	324	334	63	13	76	362	238	600	1010
05:00 PM	3	73	76	15	5	20	92	65	157	253
05:15 PM	5	66	71	18	3	21	101	50	151	243
05:30 PM	2	77	79	13	0	13	97	71	168	260
05:45 PM	3	47	50	17	4	21	94	48	142	213
Total	13	263	276	63	12	75	384	234	618	969
Grand Total	23	587	610	126	25	151	746	472	1218	1979
Apprch %	3.8	96.2		83.4	16.6		61.2	38.8		
Total %	1.2	29.7	30.8	6.4	1.3	7.6	37.7	23.9	61.5	
Passenger Vehicles	22	562	584	115	23	138	716	462	1178	1900
% Passenger Vehicles	95.7	95.7	95.7	91.3	92	91.4	96	97.9	96.7	96
Large 2 Axle Vehicles	0	5	5	6	0	6	7	5	12	23
% Large 2 Axle Vehicles	0	0.9	0.8	4.8	0	4	0.9	1.1	1	1.2
3 Axle Vehicles	1	6	7	5	1	6	9	1	10	23
% 3 Axle Vehicles	4.3	1	1.1	4	4	4	1.2	0.2	0.8	1.2
4+ Axle Trucks	0	14	14	0	1	1	14	4	18	33
% 4+ Axle Trucks	0	2.4	2.3	0	4	0.7	1.9	0.8	1.5	1.7

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	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 04:15 PM										
04:15 PM	4	68	72	16	3	19	91	82	173	264
04:30 PM	2	80	82	15	3	18	102	58	160	260
04:45 PM	4	79	83	14	2	16	89	60	149	248
05:00 PM	3	73	76	15	5	20	92	65	157	253
Total Volume	13	300	313	60	13	73	374	265	639	1025
% App. Total	4.2	95.8		82.2	17.8		58.5	41.5		
PHF	.813	.938	.943	.938	.650	.913	.917	.808	.923	.971

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:15 PM			04:30 PM			04:45 PM		
+0 mins.	0	97	97	18	5	23	91	82	173	91	82	173
+15 mins.	4	68	72	16	3	19	102	58	160	102	58	160
+30 mins.	2	80	82	15	3	18	89	60	149	89	60	149
+45 mins.	4	79	83	14	2	16	92	65	157	92	65	157
Total Volume	10	324	334	63	13	76	374	265	639	374	265	639
% App. Total	3	97		82.9	17.1		58.5	41.5		58.5	41.5	
PHF	.625	.835	.861	.875	.650	.826	.917	.808	.923	.917	.808	.923

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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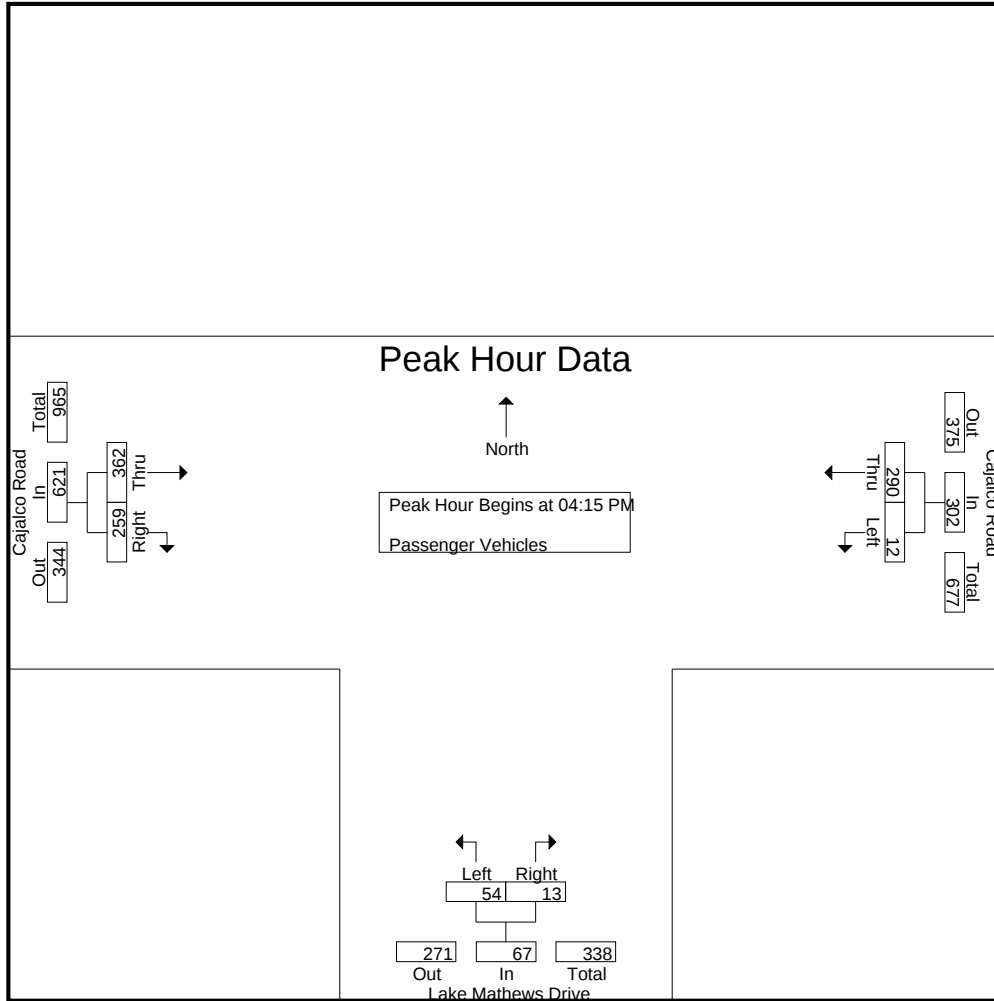
Groups Printed- Passenger Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
04:00 PM	0	87	87	16	4	20	76	37	113	220
04:15 PM	4	65	69	15	3	18	87	79	166	253
04:30 PM	2	77	79	13	3	16	99	56	155	250
04:45 PM	4	76	80	12	2	14	88	60	148	242
Total	10	305	315	56	12	68	350	232	582	965
05:00 PM	2	72	74	14	5	19	88	64	152	245
05:15 PM	5	64	69	17	2	19	96	49	145	233
05:30 PM	2	76	78	12	0	12	90	69	159	249
05:45 PM	3	45	48	16	4	20	92	48	140	208
Total	12	257	269	59	11	70	366	230	596	935
Grand Total	22	562	584	115	23	138	716	462	1178	1900
Apprch %	3.8	96.2		83.3	16.7		60.8	39.2		
Total %	1.2	29.6	30.7	6.1	1.2	7.3	37.7	24.3	62	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	4	65	69	15	3	18	87	79	166	253
04:30 PM	2	77	79	13	3	16	99	56	155	250
04:45 PM	4	76	80	12	2	14	88	60	148	242
05:00 PM	2	72	74	14	5	19	88	64	152	245
Total Volume	12	290	302	54	13	67	362	259	621	990
% App. Total	4	96		80.6	19.4		58.3	41.7		
PHF	.750	.942	.944	.900	.650	.882	.914	.820	.935	.978

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:15 PM			04:15 PM		
+0 mins.	4	65	69	15	3	18	87	79	166
+15 mins.	2	77	79	13	3	16	99	56	155
+30 mins.	4	76	80	12	2	14	88	60	148
+45 mins.	2	72	74	14	5	19	88	64	152
Total Volume	12	290	302	54	13	67	362	259	621
% App. Total	4	96		80.6	19.4		58.3	41.7	
PHF	.750	.942	.944	.900	.650	.882	.914	.820	.935

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

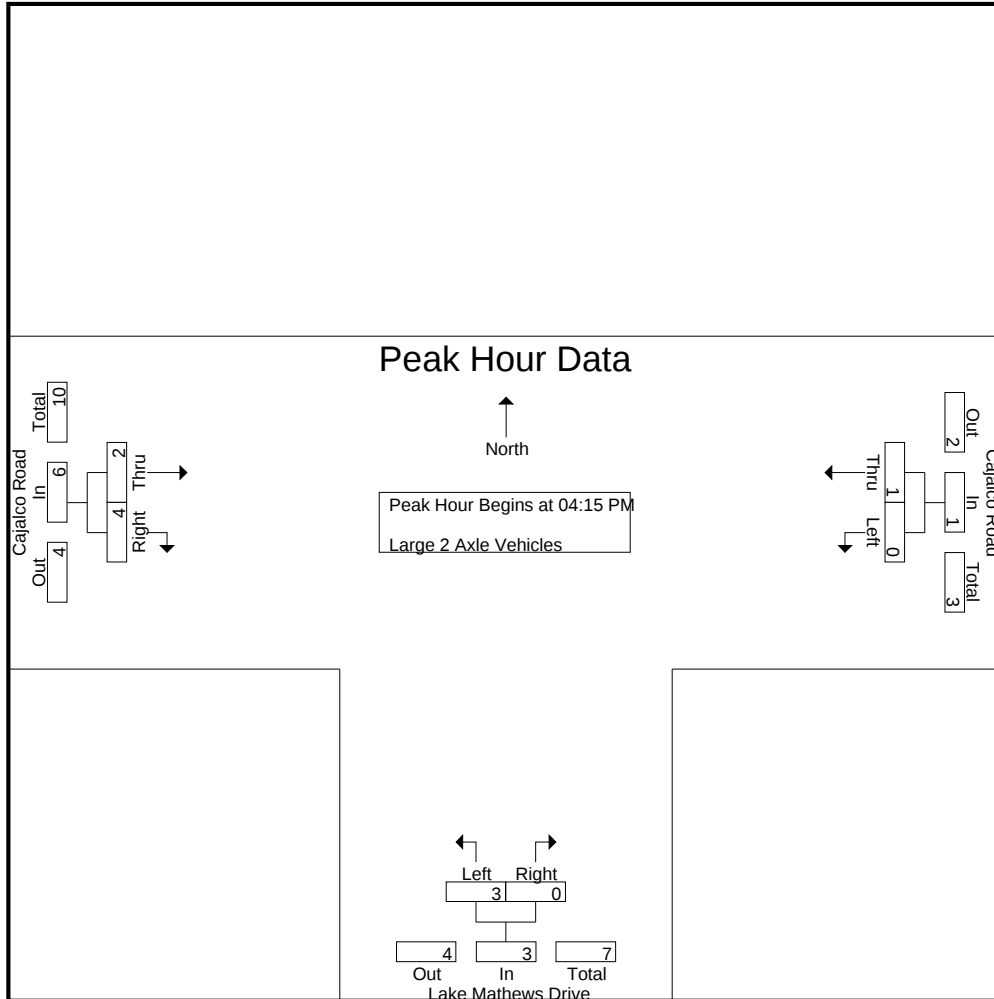
Groups Printed- Large 2 Axle Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
04:00 PM	0	3	3	1	0	1	2	0	2	6
04:15 PM	0	1	1	0	0	0	1	3	4	5
04:30 PM	0	0	0	0	0	0	1	1	2	2
04:45 PM	0	0	0	2	0	2	0	0	0	2
Total	0	4	4	3	0	3	4	4	8	15
05:00 PM	0	0	0	1	0	1	0	0	0	1
05:15 PM	0	1	1	0	0	0	1	1	2	3
05:30 PM	0	0	0	1	0	1	2	0	2	3
05:45 PM	0	0	0	1	0	1	0	0	0	1
Total	0	1	1	3	0	3	3	1	4	8
Grand Total	0	5	5	6	0	6	7	5	12	23
Apprch %	0	100		100	0		58.3	41.7		
Total %	0	21.7	21.7	26.1	0	26.1	30.4	21.7	52.2	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	1	1	0	0	0	1	3	4	5
04:30 PM	0	0	0	0	0	0	1	1	2	2
04:45 PM	0	0	0	2	0	2	0	0	0	2
05:00 PM	0	0	0	1	0	1	0	0	0	1
Total Volume	0	1	1	3	0	3	2	4	6	10
% App. Total	0	100		100	0		33.3	66.7		
PHF	.000	.250	.250	.375	.000	.375	.500	.333	.375	.500

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:15 PM			04:15 PM		
+0 mins.	0	1	1	0	0	0	1	3	4
+15 mins.	0	0	0	0	0	0	1	1	2
+30 mins.	0	0	0	2	0	2	0	0	0
+45 mins.	0	0	0	1	0	1	0	0	0
Total Volume	0	1	1	3	0	3	2	4	6
% App. Total	0	100		100	0		33.3	66.7	
PHF	.000	.250	.250	.375	.000	.375	.500	.333	.375

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

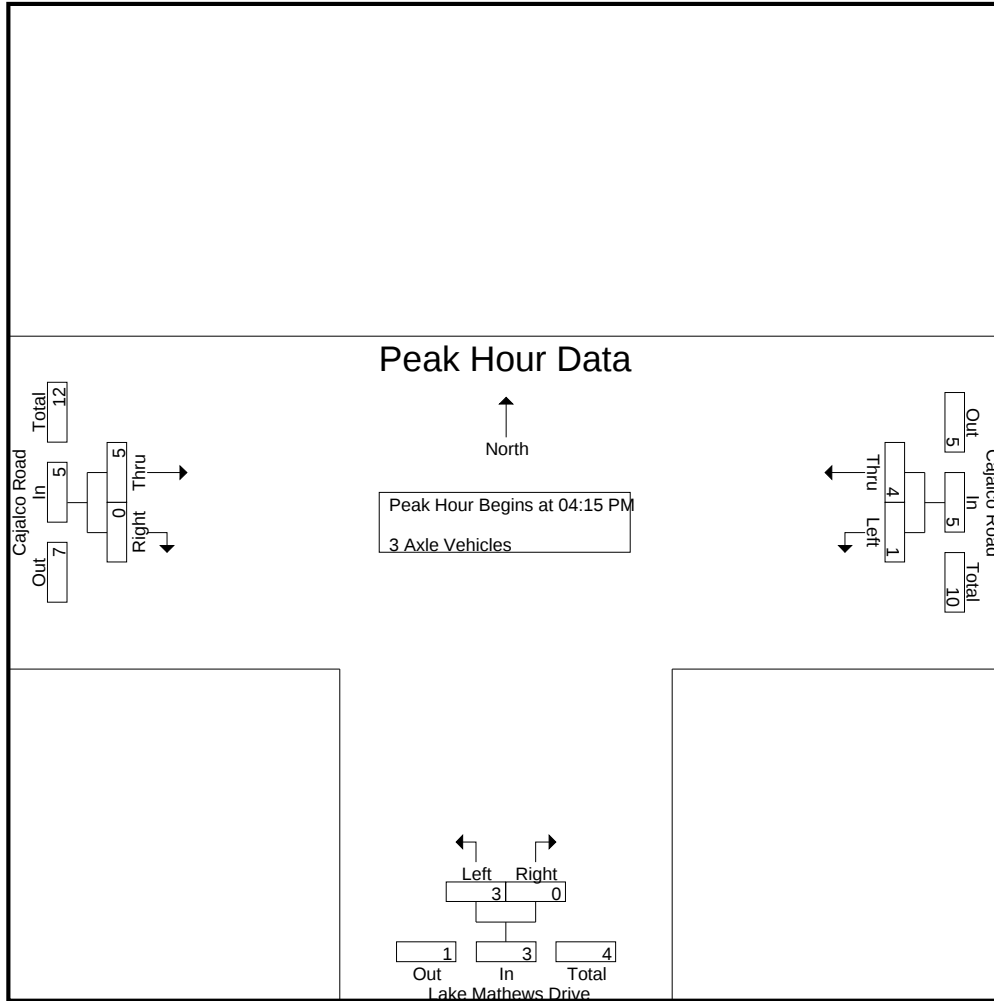
Groups Printed- 3 Axle Vehicles

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
04:00 PM	0	1	1	1	0	1	1	0	1	3
04:15 PM	0	1	1	1	0	1	2	0	2	4
04:30 PM	0	1	1	2	0	2	0	0	0	3
04:45 PM	0	1	1	0	0	0	1	0	1	2
Total	0	4	4	4	0	4	4	0	4	12
05:00 PM	1	1	2	0	0	0	2	0	2	4
05:15 PM	0	0	0	1	1	2	0	0	0	2
05:30 PM	0	1	1	0	0	0	3	1	4	5
05:45 PM	0	0	0	0	0	0	0	0	0	0
Total	1	2	3	1	1	2	5	1	6	11
Grand Total	1	6	7	5	1	6	9	1	10	23
Apprch %	14.3	85.7		83.3	16.7		90	10		
Total %	4.3	26.1	30.4	21.7	4.3	26.1	39.1	4.3	43.5	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	1	1	1	0	1	2	0	2	4
04:30 PM	0	1	1	2	0	2	0	0	0	3
04:45 PM	0	1	1	0	0	0	1	0	1	2
05:00 PM	1	1	2	0	0	0	2	0	2	4
Total Volume	1	4	5	3	0	3	5	0	5	13
% App. Total	20	80		100	0		100	0		
PHF	.250	1.00	.625	.375	.000	.375	.625	.000	.625	.813

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:15 PM			04:15 PM		
+0 mins.	0	1	1	1	0	1	2	0	2
+15 mins.	0	1	1	2	0	2	0	0	0
+30 mins.	0	1	1	0	0	0	1	0	1
+45 mins.	1	1	2	0	0	0	2	0	2
Total Volume	1	4	5	3	0	3	5	0	5
% App. Total	20	80		100	0		100	0	
PHF	.250	1.000	.625	.375	.000	.375	.625	.000	.625

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

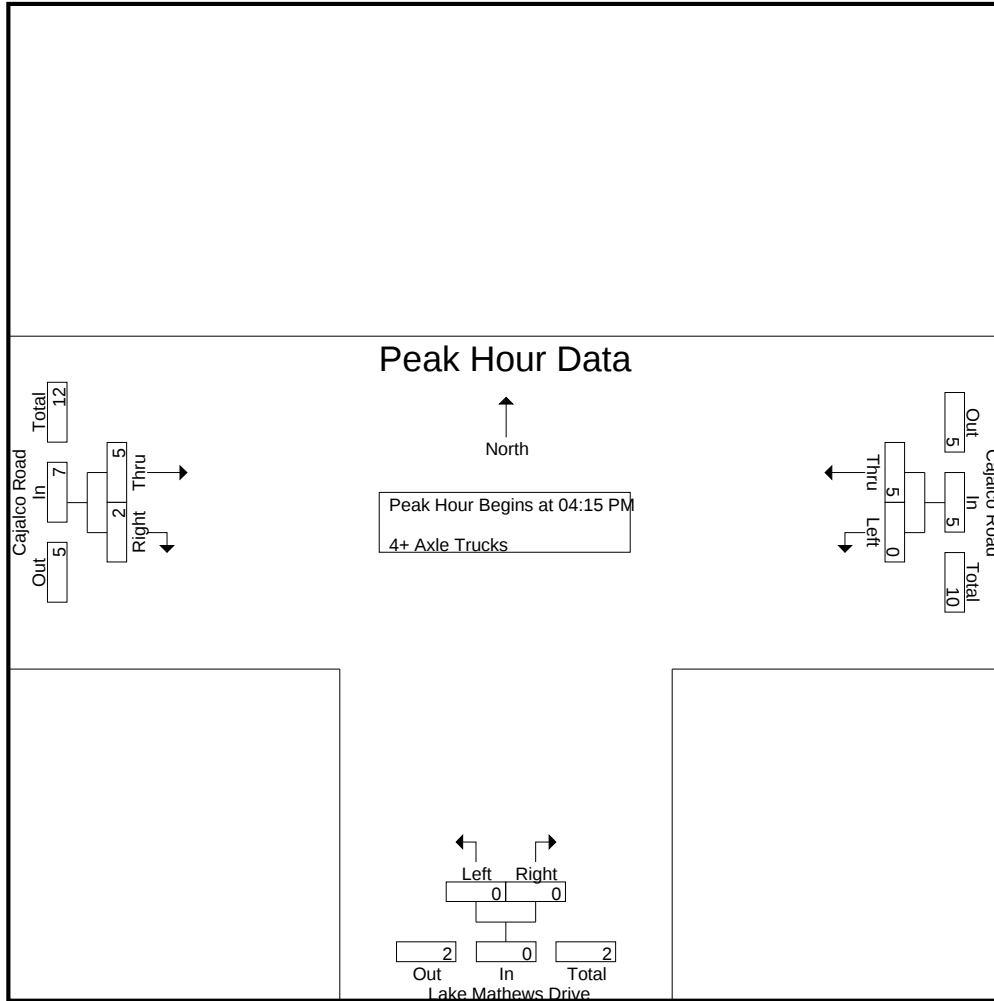
Groups Printed- 4+ Axle Trucks

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
04:00 PM	0	6	6	0	1	1	1	1	2	9
04:15 PM	0	1	1	0	0	0	1	0	1	2
04:30 PM	0	2	2	0	0	0	2	1	3	5
04:45 PM	0	2	2	0	0	0	0	0	0	2
Total	0	11	11	0	1	1	4	2	6	18
05:00 PM	0	0	0	0	0	0	2	1	3	3
05:15 PM	0	1	1	0	0	0	4	0	4	5
05:30 PM	0	0	0	0	0	0	2	1	3	3
05:45 PM	0	2	2	0	0	0	2	0	2	4
Total	0	3	3	0	0	0	10	2	12	15
Grand Total	0	14	14	0	1	1	14	4	18	33
Apprch %	0	100		0	100		77.8	22.2		
Total %	0	42.4	42.4	0	3	3	42.4	12.1	54.5	

	Cajalco Road Westbound			Lake Mathews Drive Northbound			Cajalco Road Eastbound			
Start Time	Left	Thru	App. Total	Left	Right	App. Total	Thru	Right	App. Total	Int. Total
Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	0	1	1	0	0	0	1	0	1	2
04:30 PM	0	2	2	0	0	0	2	1	3	5
04:45 PM	0	2	2	0	0	0	0	0	0	2
05:00 PM	0	0	0	0	0	0	2	1	3	3
Total Volume	0	5	5	0	0	0	5	2	7	12
% App. Total	0	100		0	0		71.4	28.6		
PHF	.000	.625	.625	.000	.000	.000	.625	.500	.583	.600

County of Riverside
N/S: Lake Mathews Drive
E/W: Cajalco Road
Weather: Clear

File Name : 02_CRV_LM_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:15 PM to 05:00 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:15 PM			04:15 PM			04:15 PM		
+0 mins.	0	1	1	0	0	0	1	0	1
+15 mins.	0	2	2	0	0	0	2	1	3
+30 mins.	0	2	2	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	2	1	3
Total Volume	0	5	5	0	0	0	5	2	7
% App. Total	0	100		0	0		71.4	28.6	
PHF	.000	.625	.625	.000	.000	.000	.625	.500	.583

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

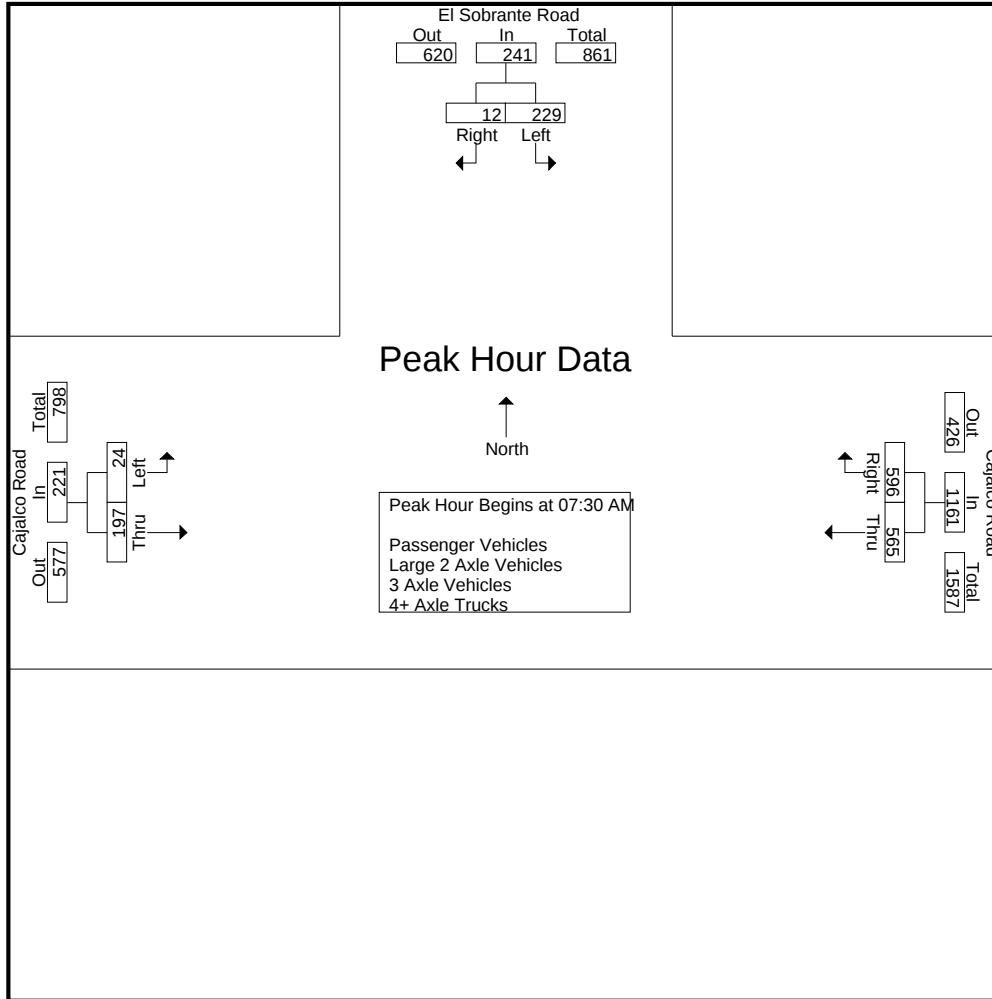
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	55	2	57	140	137	277	2	41	43	377
07:15 AM	49	4	53	127	145	272	8	36	44	369
07:30 AM	62	1	63	130	164	294	7	65	72	429
07:45 AM	56	3	59	149	166	315	4	49	53	427
Total	222	10	232	546	612	1158	21	191	212	1602
08:00 AM	52	3	55	128	151	279	9	43	52	386
08:15 AM	59	5	64	158	115	273	4	40	44	381
08:30 AM	64	3	67	106	104	210	5	36	41	318
08:45 AM	33	2	35	126	132	258	7	41	48	341
Total	208	13	221	518	502	1020	25	160	185	1426
Grand Total	430	23	453	1064	1114	2178	46	351	397	3028
Apprch %	94.9	5.1		48.9	51.1		11.6	88.4		
Total %	14.2	0.8	15	35.1	36.8	71.9	1.5	11.6	13.1	
Passenger Vehicles	415	22	437	998	1093	2091	45	322	367	2895
% Passenger Vehicles	96.5	95.7	96.5	93.8	98.1	96	97.8	91.7	92.4	95.6
Large 2 Axle Vehicles	6	0	6	18	11	29	1	8	9	44
% Large 2 Axle Vehicles	1.4	0	1.3	1.7	1	1.3	2.2	2.3	2.3	1.5
3 Axle Vehicles	1	0	1	17	4	21	0	1	1	23
% 3 Axle Vehicles	0.2	0	0.2	1.6	0.4	1	0	0.3	0.3	0.8
4+ Axle Trucks	8	1	9	31	6	37	0	20	20	66
% 4+ Axle Trucks	1.9	4.3	2	2.9	0.5	1.7	0	5.7	5	2.2

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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 07:30 AM										
07:30 AM	62	1	63	130	164	294	7	65	72	429
07:45 AM	56	3	59	149	166	315	4	49	53	427
08:00 AM	52	3	55	128	151	279	9	43	52	386
08:15 AM	59	5	64	158	115	273	4	40	44	381
Total Volume	229	12	241	565	596	1161	24	197	221	1623
% App. Total	95	5		48.7	51.3		10.9	89.1		
PHF	.923	.600	.941	.894	.898	.921	.667	.758	.767	.946

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	07:45 AM			07:30 AM			07:15 AM		
+0 mins.	56	3	59	130	164	294	8	36	44
+15 mins.	52	3	55	149	166	315	7	65	72
+30 mins.	59	5	64	128	151	279	4	49	53
+45 mins.	64	3	67	158	115	273	9	43	52
Total Volume	231	14	245	565	596	1161	28	193	221
% App. Total	94.3	5.7		48.7	51.3		12.7	87.3	
PHF	.902	.700	.914	.894	.898	.921	.778	.742	.767

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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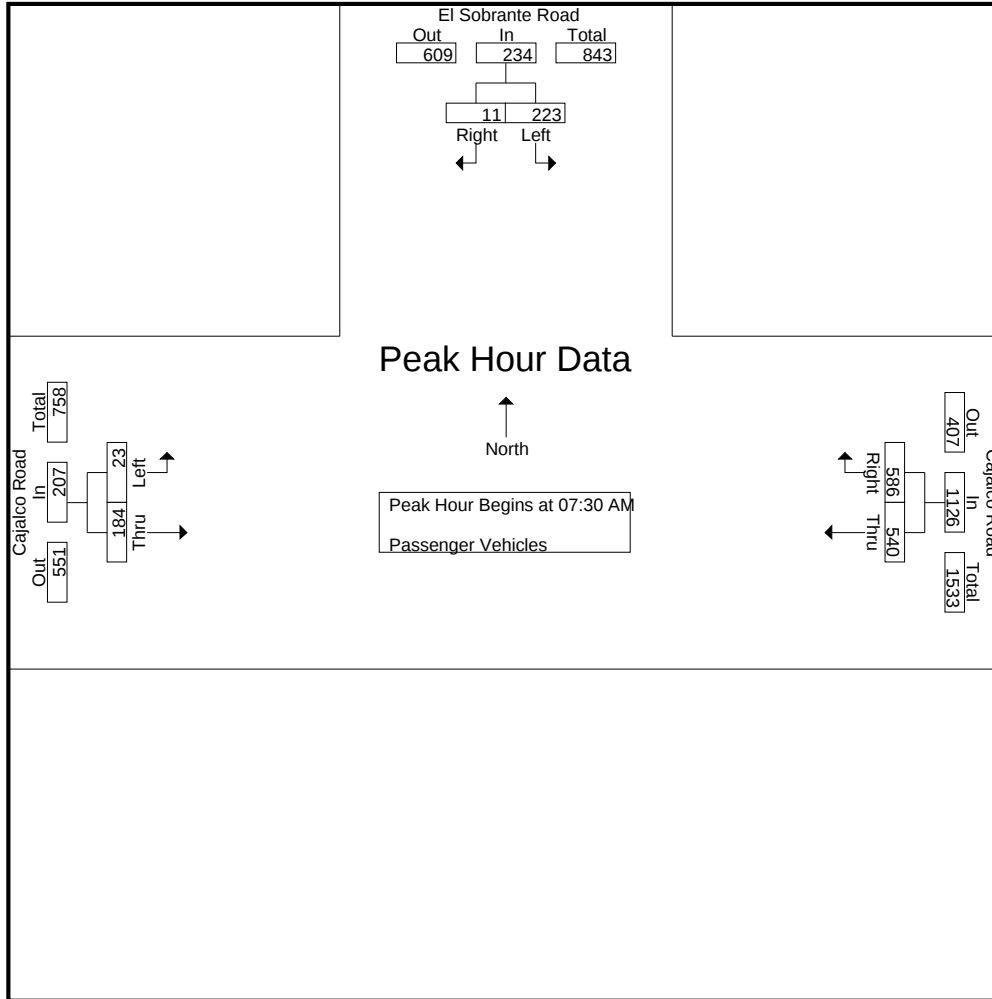
Groups Printed- Passenger Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	54	2	56	126	135	261	2	36	38	355
07:15 AM	47	4	51	121	141	262	8	30	38	351
07:30 AM	62	1	63	124	161	285	6	63	69	417
07:45 AM	53	3	56	141	162	303	4	45	49	408
Total	216	10	226	512	599	1111	20	174	194	1531
08:00 AM	50	2	52	121	149	270	9	39	48	370
08:15 AM	58	5	63	154	114	268	4	37	41	372
08:30 AM	60	3	63	101	103	204	5	35	40	307
08:45 AM	31	2	33	110	128	238	7	37	44	315
Total	199	12	211	486	494	980	25	148	173	1364
Grand Total	415	22	437	998	1093	2091	45	322	367	2895
Apprch %	95	5		47.7	52.3		12.3	87.7		
Total %	14.3	0.8	15.1	34.5	37.8	72.2	1.6	11.1	12.7	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	62	1	63	124	161	285	6	63	69	417
07:45 AM	53	3	56	141	162	303	4	45	49	408
08:00 AM	50	2	52	121	149	270	9	39	48	370
08:15 AM	58	5	63	154	114	268	4	37	41	372
Total Volume	223	11	234	540	586	1126	23	184	207	1567
% App. Total	95.3	4.7		48	52		11.1	88.9		
PHF	.899	.550	.929	.877	.904	.929	.639	.730	.750	.939

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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		
+0 mins.	62	1	63	124	161	285	6	63	69
+15 mins.	53	3	56	141	162	303	4	45	49
+30 mins.	50	2	52	121	149	270	9	39	48
+45 mins.	58	5	63	154	114	268	4	37	41
Total Volume	223	11	234	540	586	1126	23	184	207
% App. Total	95.3	4.7		48	52		11.1	88.9	
PHF	.899	.550	.929	.877	.904	.929	.639	.730	.750

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
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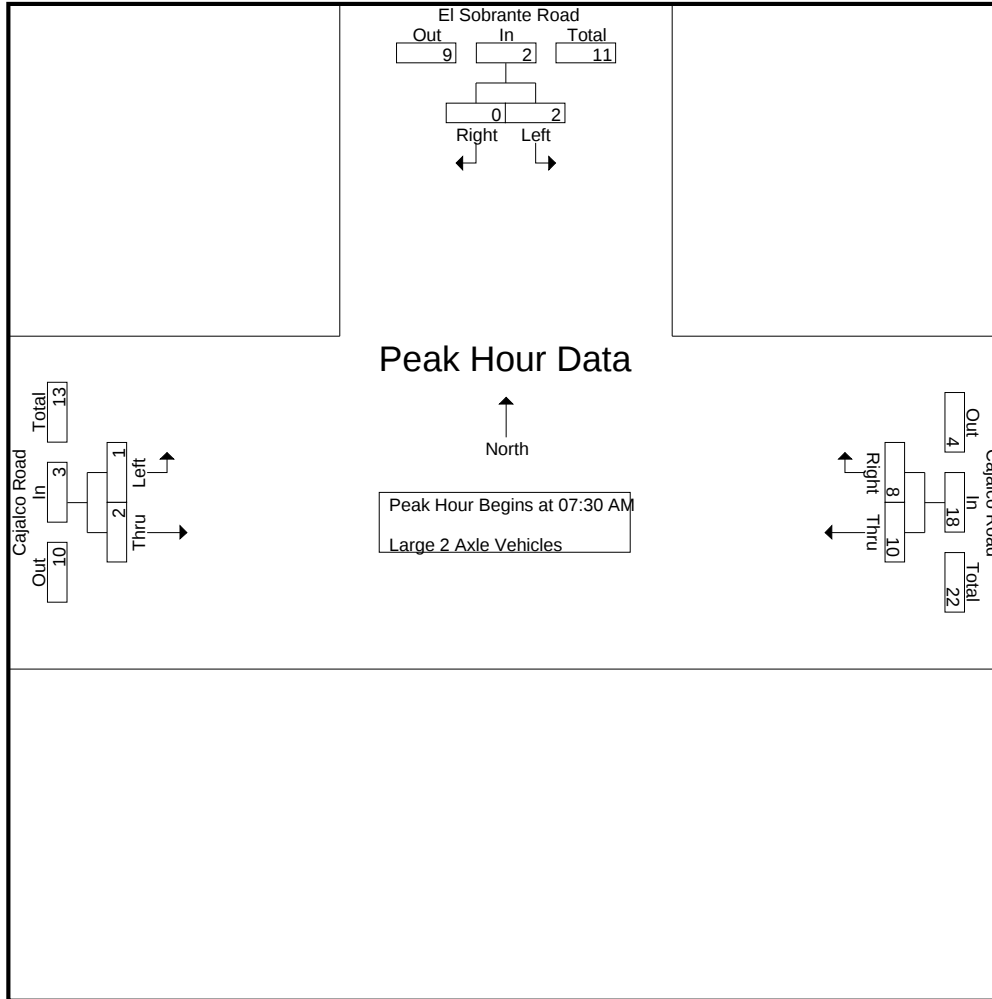
Groups Printed- Large 2 Axle Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	1	0	1	3	0	3	0	3	3	7
07:15 AM	0	0	0	1	1	2	0	1	1	3
07:30 AM	0	0	0	2	3	5	1	0	1	6
07:45 AM	1	0	1	5	4	9	0	1	1	11
Total	2	0	2	11	8	19	1	5	6	27
08:00 AM	0	0	0	2	1	3	0	1	1	4
08:15 AM	1	0	1	1	0	1	0	0	0	2
08:30 AM	2	0	2	4	0	4	0	0	0	6
08:45 AM	1	0	1	0	2	2	0	2	2	5
Total	4	0	4	7	3	10	0	3	3	17
Grand Total	6	0	6	18	11	29	1	8	9	44
Apprch %	100	0		62.1	37.9		11.1	88.9		
Total %	13.6	0	13.6	40.9	25	65.9	2.3	18.2	20.5	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	2	3	5	1	0	1	6
07:45 AM	1	0	1	5	4	9	0	1	1	11
08:00 AM	0	0	0	2	1	3	0	1	1	4
08:15 AM	1	0	1	1	0	1	0	0	0	2
Total Volume	2	0	2	10	8	18	1	2	3	23
% App. Total	100	0		55.6	44.4		33.3	66.7		
PHF	.500	.000	.500	.500	.500	.500	.250	.500	.750	.523

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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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		
+0 mins.	0	0	0	2	3	5	1	0	1
+15 mins.	1	0	1	5	4	9	0	1	1
+30 mins.	0	0	0	2	1	3	0	1	1
+45 mins.	1	0	1	1	0	1	0	0	0
Total Volume	2	0	2	10	8	18	1	2	3
% App. Total	100	0		55.6	44.4		33.3	66.7	
PHF	.500	.000	.500	.500	.500	.500	.250	.500	.750

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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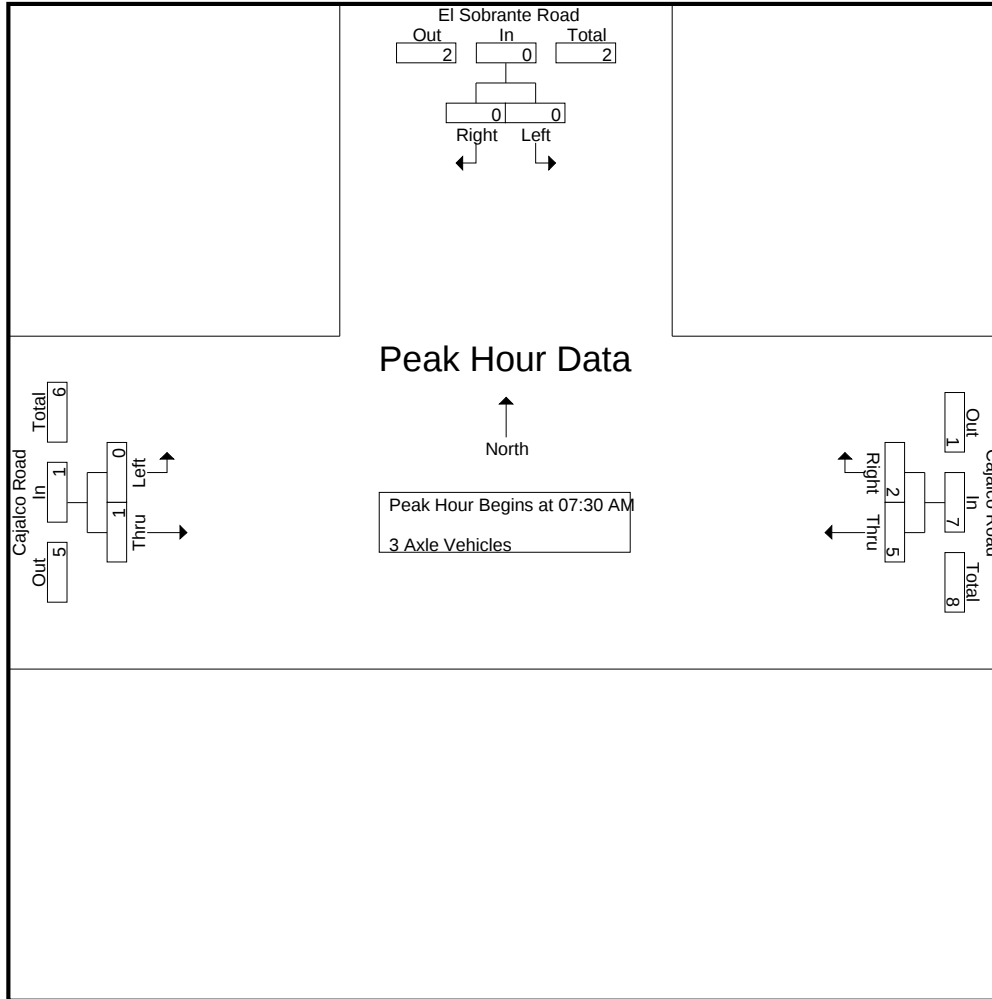
Groups Printed- 3 Axle Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	4	0	4	0	0	0	4
07:15 AM	0	0	0	4	2	6	0	0	0	6
07:30 AM	0	0	0	1	0	1	0	1	1	2
07:45 AM	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	9	2	11	0	1	1	12
08:00 AM	0	0	0	1	1	2	0	0	0	2
08:15 AM	0	0	0	3	1	4	0	0	0	4
08:30 AM	1	0	1	0	0	0	0	0	0	1
08:45 AM	0	0	0	4	0	4	0	0	0	4
Total	1	0	1	8	2	10	0	0	0	11
Grand Total	1	0	1	17	4	21	0	1	1	23
Apprch %	100	0		81	19		0	100		
Total %	4.3	0	4.3	73.9	17.4	91.3	0	4.3	4.3	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	1	0	1	0	1	1	2
07:45 AM	0	0	0	0	0	0	0	0	0	0
08:00 AM	0	0	0	1	1	2	0	0	0	2
08:15 AM	0	0	0	3	1	4	0	0	0	4
Total Volume	0	0	0	5	2	7	0	1	1	8
% App. Total	0	0		71.4	28.6		0	100		
PHF	.000	.000	.000	.417	.500	.438	.000	.250	.250	.500

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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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		
+0 mins.	0	0	0	1	0	1	0	1	1
+15 mins.	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	1	1	2	0	0	0
+45 mins.	0	0	0	3	1	4	0	0	0
Total Volume	0	0	0	5	2	7	0	1	1
% App. Total	0	0	0	71.4	28.6		0	100	
PHF	.000	.000	.000	.417	.500	.438	.000	.250	.250

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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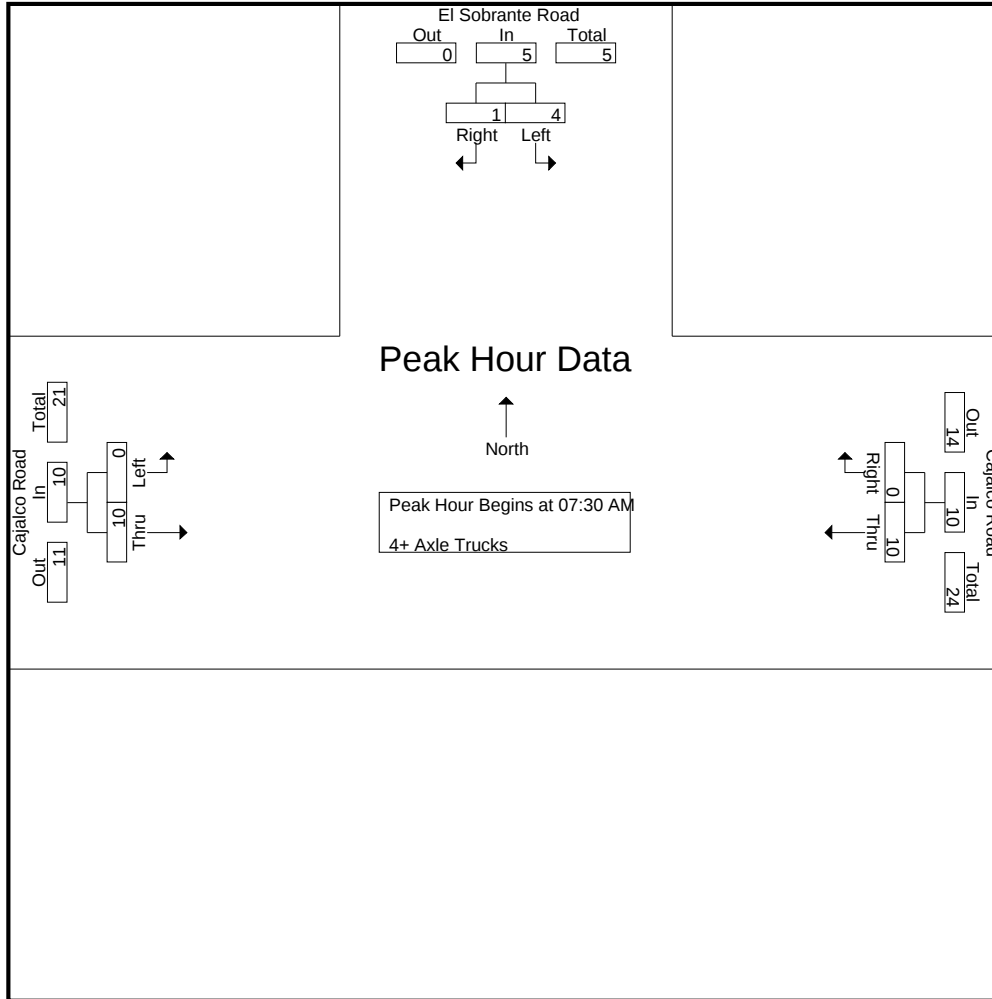
Groups Printed- 4+ Axle Trucks

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	7	2	9	0	2	2	11
07:15 AM	2	0	2	1	1	2	0	5	5	9
07:30 AM	0	0	0	3	0	3	0	1	1	4
07:45 AM	2	0	2	3	0	3	0	3	3	8
Total	4	0	4	14	3	17	0	11	11	32
08:00 AM	2	1	3	4	0	4	0	3	3	10
08:15 AM	0	0	0	0	0	0	0	3	3	3
08:30 AM	1	0	1	1	1	2	0	1	1	4
08:45 AM	1	0	1	12	2	14	0	2	2	17
Total	4	1	5	17	3	20	0	9	9	34
Grand Total	8	1	9	31	6	37	0	20	20	66
Apprch %	88.9	11.1		83.8	16.2		0	100		
Total %	12.1	1.5	13.6	47	9.1	56.1	0	30.3	30.3	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	3	0	3	0	1	1	4
07:45 AM	2	0	2	3	0	3	0	3	3	8
08:00 AM	2	1	3	4	0	4	0	3	3	10
08:15 AM	0	0	0	0	0	0	0	3	3	3
Total Volume	4	1	5	10	0	10	0	10	10	25
% App. Total	80	20		100	0		0	100		
PHF	.500	.250	.417	.625	.000	.625	.000	.833	.833	.625

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj AM
Site Code : 04225436
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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		
+0 mins.	0	0	0	3	0	3	0	1	1
+15 mins.	2	0	2	3	0	3	0	3	3
+30 mins.	2	1	3	4	0	4	0	3	3
+45 mins.	0	0	0	0	0	0	0	3	3
Total Volume	4	1	5	10	0	10	0	10	10
% App. Total	80	20		100	0		0	100	
PHF	.500	.250	.417	.625	.000	.625	.000	.833	.833

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
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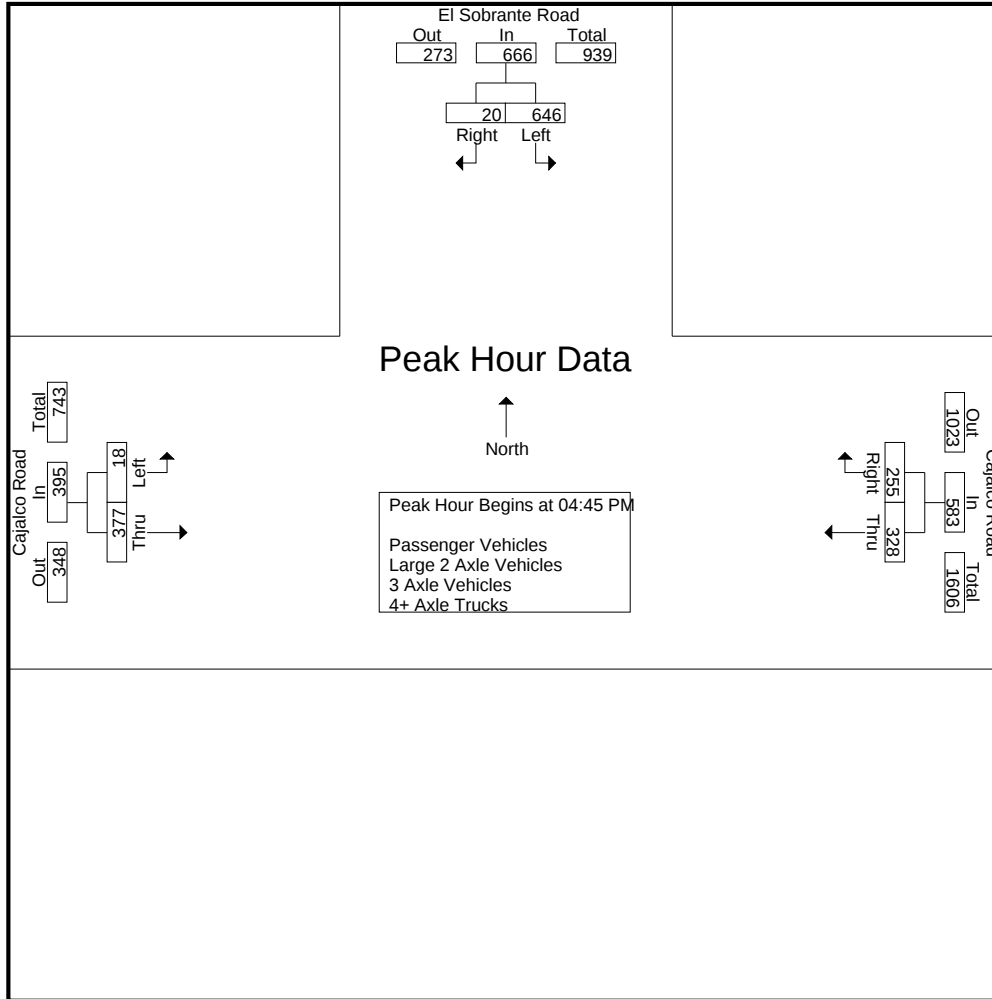
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	169	8	177	86	82	168	4	70	74	419
04:15 PM	130	8	138	79	69	148	10	111	121	407
04:30 PM	154	4	158	76	53	129	5	79	84	371
04:45 PM	143	6	149	95	71	166	3	112	115	430
Total	596	26	622	336	275	611	22	372	394	1627
05:00 PM	180	6	186	73	63	136	6	76	82	404
05:15 PM	156	1	157	87	56	143	5	106	111	411
05:30 PM	167	7	174	73	65	138	4	83	87	399
05:45 PM	146	4	150	59	64	123	9	82	91	364
Total	649	18	667	292	248	540	24	347	371	1578
Grand Total	1245	44	1289	628	523	1151	46	719	765	3205
Apprch %	96.6	3.4		54.6	45.4		6	94		
Total %	38.8	1.4	40.2	19.6	16.3	35.9	1.4	22.4	23.9	
Passenger Vehicles	1230	41	1271	604	515	1119	45	687	732	3122
% Passenger Vehicles	98.8	93.2	98.6	96.2	98.5	97.2	97.8	95.5	95.7	97.4
Large 2 Axle Vehicles	9	1	10	6	1	7	0	8	8	25
% Large 2 Axle Vehicles	0.7	2.3	0.8	1	0.2	0.6	0	1.1	1	0.8
3 Axle Vehicles	3	1	4	7	3	10	0	11	11	25
% 3 Axle Vehicles	0.2	2.3	0.3	1.1	0.6	0.9	0	1.5	1.4	0.8
4+ Axle Trucks	3	1	4	11	4	15	1	13	14	33
% 4+ Axle Trucks	0.2	2.3	0.3	1.8	0.8	1.3	2.2	1.8	1.8	1

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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 04:45 PM										
04:45 PM	143	6	149	95	71	166	3	112	115	430
05:00 PM	180	6	186	73	63	136	6	76	82	404
05:15 PM	156	1	157	87	56	143	5	106	111	411
05:30 PM	167	7	174	73	65	138	4	83	87	399
Total Volume	646	20	666	328	255	583	18	377	395	1644
% App. Total	97	3		56.3	43.7		4.6	95.4		
PHF	.897	.714	.895	.863	.898	.878	.750	.842	.859	.956

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	05:00 PM			04:00 PM			04:15 PM		
+0 mins.	180	6	186	86	82	168	10	111	121
+15 mins.	156	1	157	79	69	148	5	79	84
+30 mins.	167	7	174	76	53	129	3	112	115
+45 mins.	146	4	150	95	71	166	6	76	82
Total Volume	649	18	667	336	275	611	24	378	402
% App. Total	97.3	2.7		55	45		6	94	
PHF	.901	.643	.897	.884	.838	.909	.600	.844	.831

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

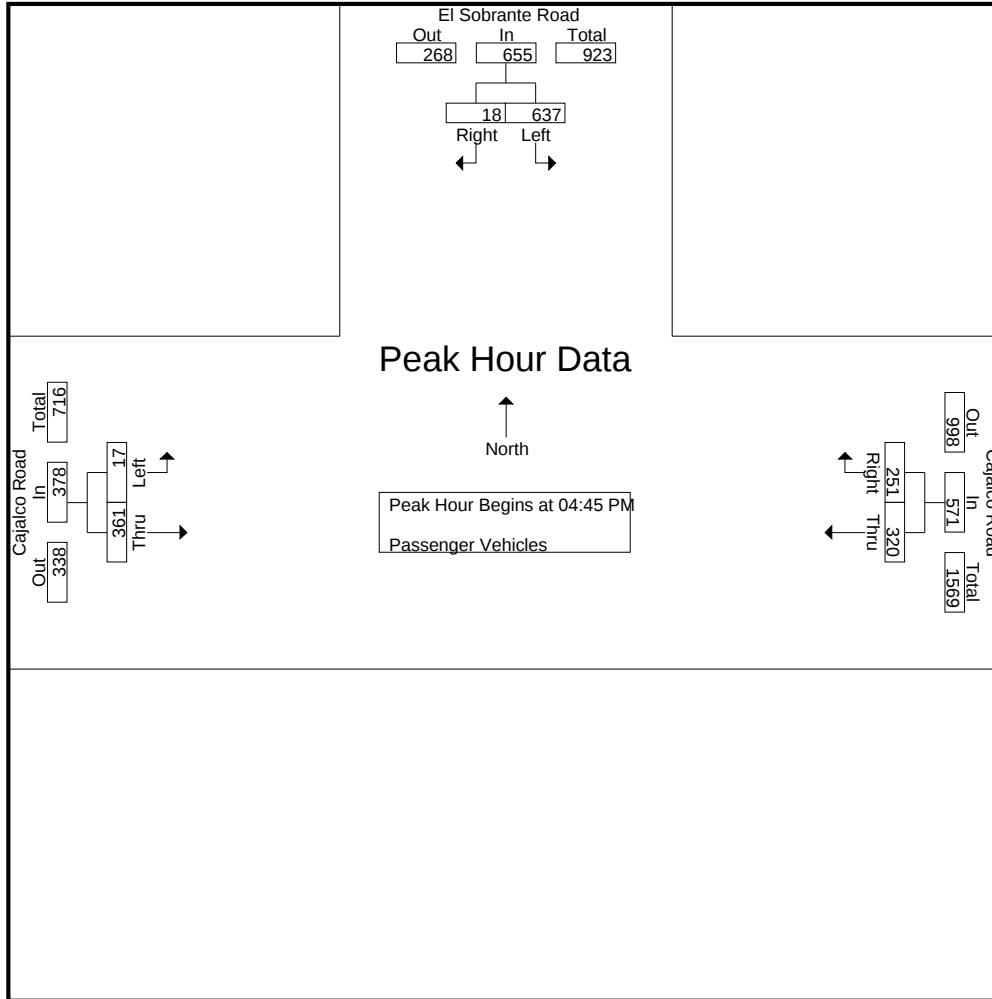
Groups Printed- Passenger Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	168	7	175	79	81	160	4	68	72	407
04:15 PM	129	8	137	76	68	144	10	104	114	395
04:30 PM	153	4	157	72	52	124	5	75	80	361
04:45 PM	141	6	147	93	70	163	3	111	114	424
Total	591	25	616	320	271	591	22	358	380	1587
05:00 PM	179	5	184	70	62	132	6	74	80	396
05:15 PM	153	1	154	86	55	141	4	99	103	398
05:30 PM	164	6	170	71	64	135	4	77	81	386
05:45 PM	143	4	147	57	63	120	9	79	88	355
Total	639	16	655	284	244	528	23	329	352	1535
Grand Total	1230	41	1271	604	515	1119	45	687	732	3122
Apprch %	96.8	3.2		54	46		6.1	93.9		
Total %	39.4	1.3	40.7	19.3	16.5	35.8	1.4	22	23.4	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	141	6	147	93	70	163	3	111	114	424
05:00 PM	179	5	184	70	62	132	6	74	80	396
05:15 PM	153	1	154	86	55	141	4	99	103	398
05:30 PM	164	6	170	71	64	135	4	77	81	386
Total Volume	637	18	655	320	251	571	17	361	378	1604
% App. Total	97.3	2.7		56	44		4.5	95.5		
PHF	.890	.750	.890	.860	.896	.876	.708	.813	.829	.946

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:45 PM			04:45 PM			04:45 PM		
+0 mins.	141	6	147	93	70	163	3	111	114
+15 mins.	179	5	184	70	62	132	6	74	80
+30 mins.	153	1	154	86	55	141	4	99	103
+45 mins.	164	6	170	71	64	135	4	77	81
Total Volume	637	18	655	320	251	571	17	361	378
% App. Total	97.3	2.7		56	44		4.5	95.5	
PHF	.890	.750	.890	.860	.896	.876	.708	.813	.829

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
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Start Date : 4/29/2025
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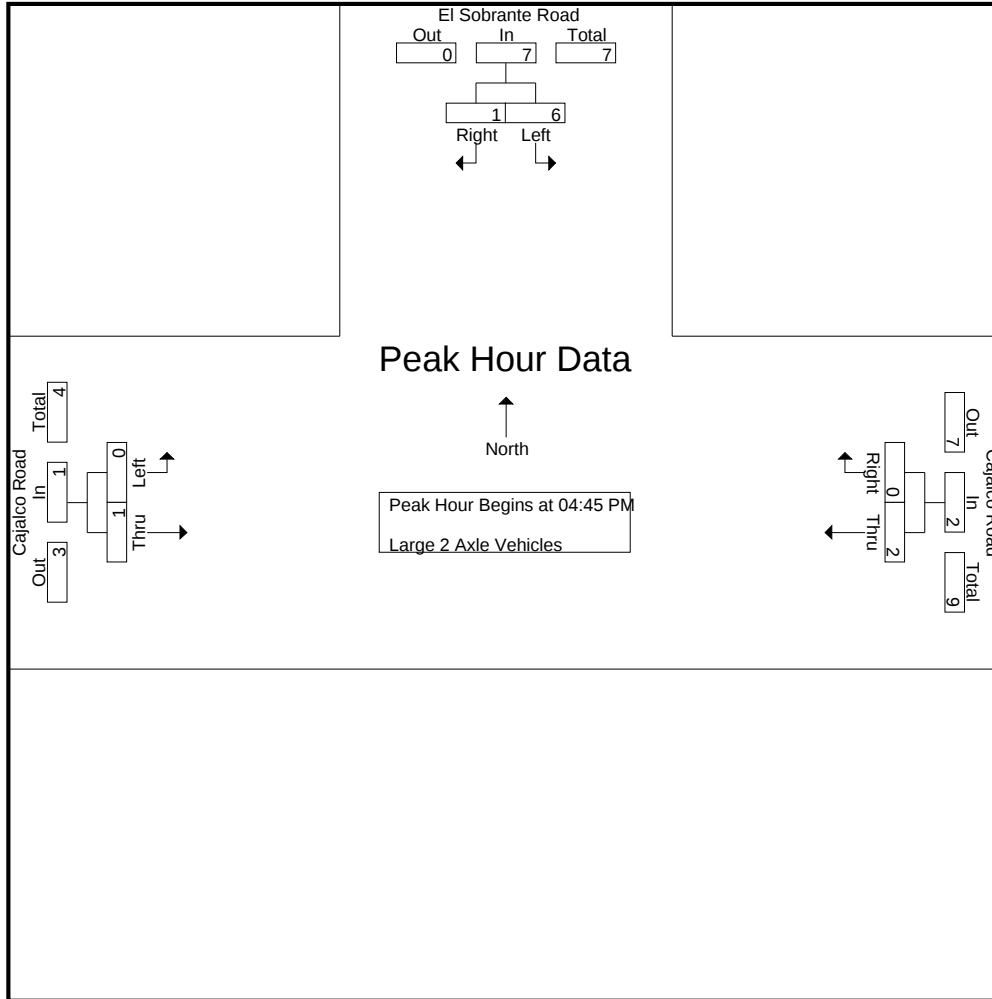
Groups Printed- Large 2 Axle Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	3	1	4	0	0	0	4
04:15 PM	1	0	1	0	0	0	0	3	3	4
04:30 PM	0	0	0	1	0	1	0	2	2	3
04:45 PM	1	0	1	0	0	0	0	0	0	1
Total	2	0	2	4	1	5	0	5	5	12
05:00 PM	1	0	1	1	0	1	0	0	0	2
05:15 PM	2	0	2	0	0	0	0	0	0	2
05:30 PM	2	1	3	1	0	1	0	1	1	5
05:45 PM	2	0	2	0	0	0	0	2	2	4
Total	7	1	8	2	0	2	0	3	3	13
Grand Total	9	1	10	6	1	7	0	8	8	25
Apprch %	90	10		85.7	14.3		0	100		
Total %	36	4	40	24	4	28	0	32	32	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	1	0	1	0	0	0	0	0	0	1
05:00 PM	1	0	1	1	0	1	0	0	0	2
05:15 PM	2	0	2	0	0	0	0	0	0	2
05:30 PM	2	1	3	1	0	1	0	1	1	5
Total Volume	6	1	7	2	0	2	0	1	1	10
% App. Total	85.7	14.3		100	0		0	100		
PHF	.750	.250	.583	.500	.000	.500	.000	.250	.250	.500

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:45 PM			04:45 PM			04:45 PM		
+0 mins.	1	0	1	0	0	0	0	0	0
+15 mins.	1	0	1	1	0	1	0	0	0
+30 mins.	2	0	2	0	0	0	0	0	0
+45 mins.	2	1	3	1	0	1	0	1	1
Total Volume	6	1	7	2	0	2	0	1	1
% App. Total	85.7	14.3		100	0		0	100	
PHF	.750	.250	.583	.500	.000	.500	.000	.250	.250

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
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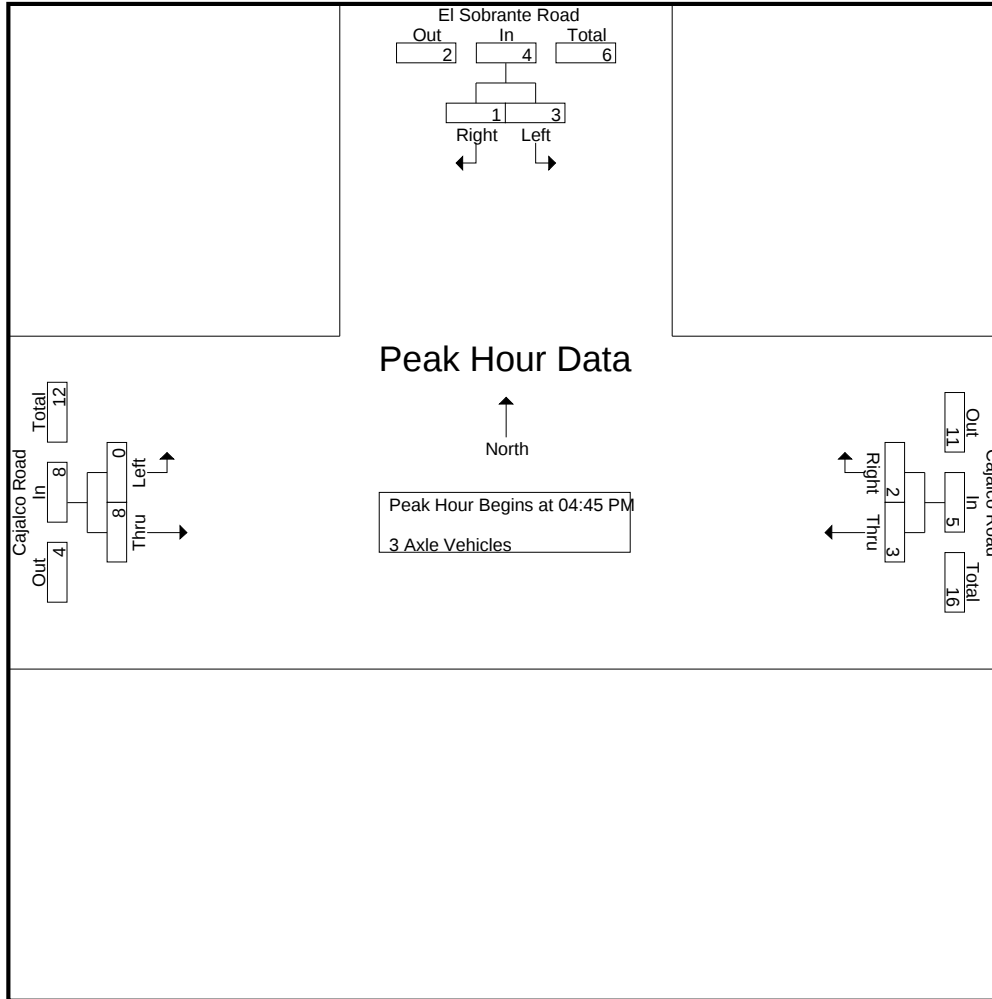
Groups Printed- 3 Axle Vehicles

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	1	0	1	0	1	1	2
04:15 PM	0	0	0	1	0	1	0	2	2	3
04:30 PM	0	0	0	2	0	2	0	0	0	2
04:45 PM	1	0	1	0	1	1	0	1	1	3
Total	1	0	1	4	1	5	0	4	4	10
05:00 PM	0	1	1	2	1	3	0	1	1	5
05:15 PM	1	0	1	0	0	0	0	3	3	4
05:30 PM	1	0	1	1	0	1	0	3	3	5
05:45 PM	0	0	0	0	1	1	0	0	0	1
Total	2	1	3	3	2	5	0	7	7	15
Grand Total	3	1	4	7	3	10	0	11	11	25
Apprch %	75	25		70	30		0	100		
Total %	12	4	16	28	12	40	0	44	44	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	1	0	1	0	1	1	0	1	1	3
05:00 PM	0	1	1	2	1	3	0	1	1	5
05:15 PM	1	0	1	0	0	0	0	3	3	4
05:30 PM	1	0	1	1	0	1	0	3	3	5
Total Volume	3	1	4	3	2	5	0	8	8	17
% App. Total	75	25		60	40		0	100		
PHF	.750	.250	1.00	.375	.500	.417	.000	.667	.667	.850

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
Site Code : 04225436
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Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:45 PM			04:45 PM			04:45 PM		
+0 mins.	1	0	1	0	1	1	0	1	1
+15 mins.	0	1	1	2	1	3	0	1	1
+30 mins.	1	0	1	0	0	0	0	3	3
+45 mins.	1	0	1	1	0	1	0	3	3
Total Volume	3	1	4	3	2	5	0	8	8
% App. Total	75	25		60	40		0	100	
PHF	.750	.250	1.000	.375	.500	.417	.000	.667	.667

County of Riverside
N/S: El Sobrante Road
E/W: Cajalco Road
Weather: Clear

File Name : 03_CRV_ES_Caj PM
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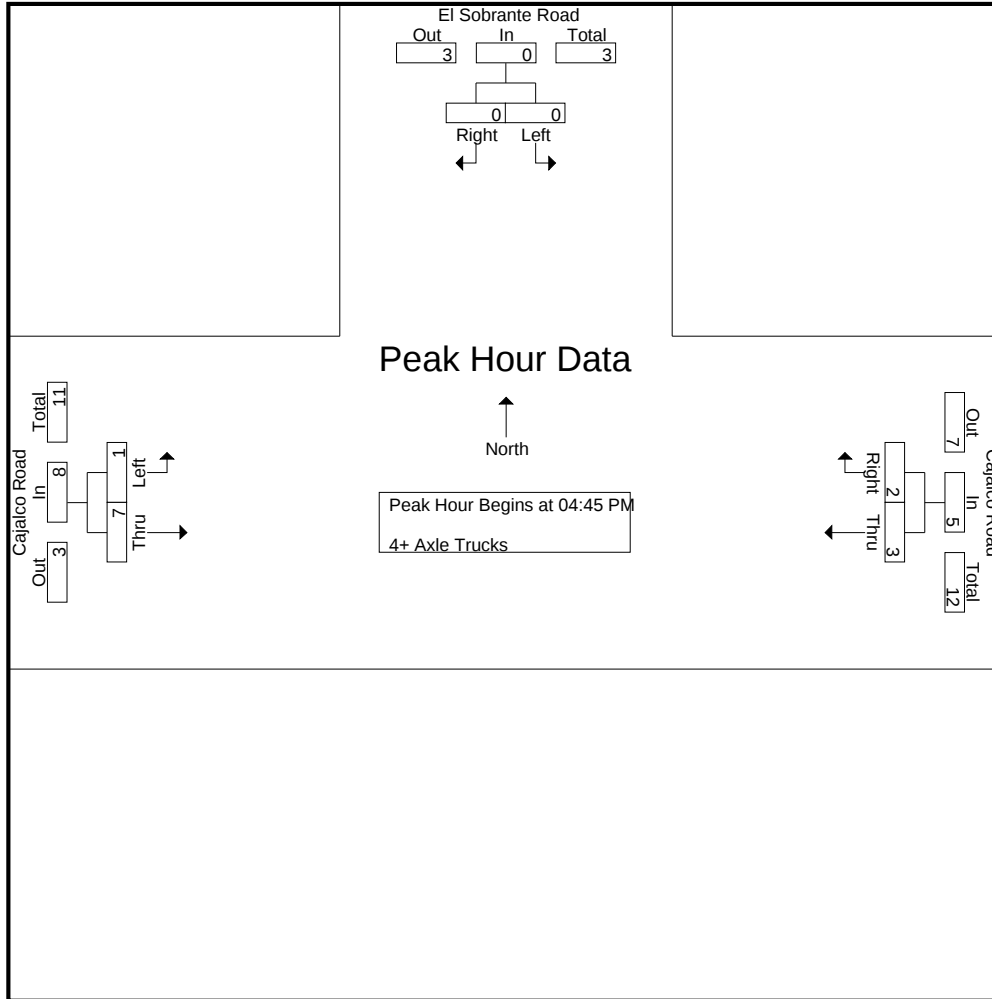
Groups Printed- 4+ Axle Trucks

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	1	1	2	3	0	3	0	1	1	6
04:15 PM	0	0	0	2	1	3	0	2	2	5
04:30 PM	1	0	1	1	1	2	0	2	2	5
04:45 PM	0	0	0	2	0	2	0	0	0	2
Total	2	1	3	8	2	10	0	5	5	18
05:00 PM	0	0	0	0	0	0	0	1	1	1
05:15 PM	0	0	0	1	1	2	1	4	5	7
05:30 PM	0	0	0	0	1	1	0	2	2	3
05:45 PM	1	0	1	2	0	2	0	1	1	4
Total	1	0	1	3	2	5	1	8	9	15
Grand Total	3	1	4	11	4	15	1	13	14	33
Apprch %	75	25		73.3	26.7		7.1	92.9		
Total %	9.1	3	12.1	33.3	12.1	45.5	3	39.4	42.4	

	El Sobrante Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:45 PM										
04:45 PM	0	0	0	2	0	2	0	0	0	2
05:00 PM	0	0	0	0	0	0	0	1	1	1
05:15 PM	0	0	0	1	1	2	1	4	5	7
05:30 PM	0	0	0	0	1	1	0	2	2	3
Total Volume	0	0	0	3	2	5	1	7	8	13
% App. Total	0	0		60	40		12.5	87.5		
PHF	.000	.000	.000	.375	.500	.625	.250	.438	.400	.464

County of Riverside
 N/S: El Sobrante Road
 E/W: Cajalco Road
 Weather: Clear

File Name : 03_CRV_ES_Caj PM
 Site Code : 04225436
 Start Date : 4/29/2025
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Peak Hour Analysis From 04:45 PM to 05:30 PM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	04:45 PM			04:45 PM			04:45 PM		
+0 mins.	0	0	0	2	0	2	0	0	0
+15 mins.	0	0	0	0	0	0	0	1	1
+30 mins.	0	0	0	1	1	2	1	4	5
+45 mins.	0	0	0	0	1	1	0	2	2
Total Volume	0	0	0	3	2	5	1	7	8
% App. Total	0	0	0	60	40		12.5	87.5	
PHF	.000	.000	.000	.375	.500	.625	.250	.438	.400

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
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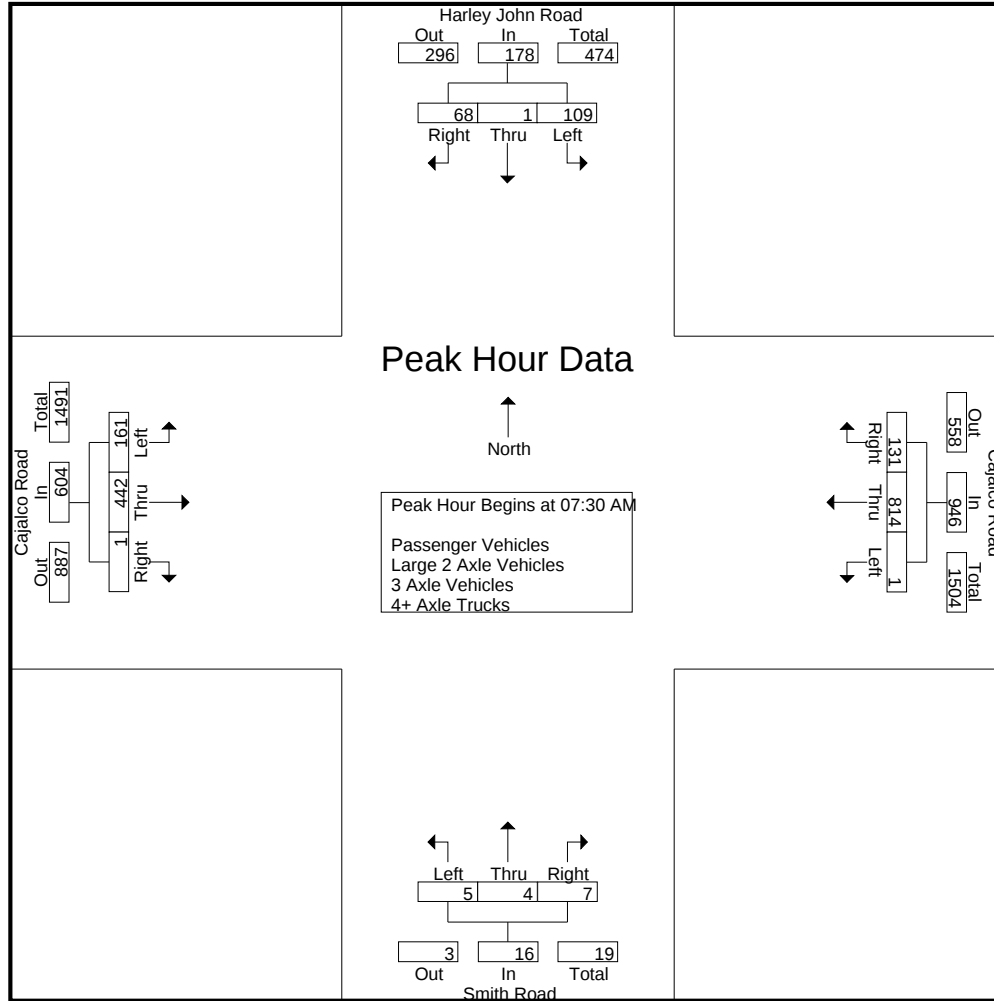
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	20	2	13	35	0	195	39	234	2	0	1	3	51	109	0	160	432
07:15 AM	26	0	16	42	0	175	41	216	1	2	2	5	49	107	0	156	419
07:30 AM	28	0	17	45	0	196	34	230	0	2	2	4	34	131	0	165	444
07:45 AM	23	1	15	39	1	210	26	237	4	1	1	6	40	110	0	150	432
Total	97	3	61	161	1	776	140	917	7	5	6	18	174	457	0	631	1727
08:00 AM	36	0	23	59	0	192	41	233	1	1	2	4	35	101	0	136	432
08:15 AM	22	0	13	35	0	216	30	246	0	0	2	2	52	100	1	153	436
08:30 AM	28	0	11	39	1	206	24	231	1	0	1	2	44	75	0	119	391
08:45 AM	16	0	11	27	1	212	23	236	0	0	1	1	31	75	1	107	371
Total	102	0	58	160	2	826	118	946	2	1	6	9	162	351	2	515	1630
Grand Total	199	3	119	321	3	1602	258	1863	9	6	12	27	336	808	2	1146	3357
Apprch %	62	0.9	37.1		0.2	86	13.8		33.3	22.2	44.4		29.3	70.5	0.2		
Total %	5.9	0.1	3.5	9.6	0.1	47.7	7.7	55.5	0.3	0.2	0.4	0.8	10	24.1	0.1	34.1	
Passenger Vehicles	186	3	115	304	3	1518	246	1767	9	6	12	27	331	767	2	1100	3198
% Passenger Vehicles	93.5	100	96.6	94.7	100	94.8	95.3	94.8	100	100	100	100	98.5	94.9	100	96	95.3
Large 2 Axle Vehicles	5	0	2	7	0	25	6	31	0	0	0	0	5	14	0	19	57
% Large 2 Axle Vehicles	2.5	0	1.7	2.2	0	1.6	2.3	1.7	0	0	0	0	1.5	1.7	0	1.7	1.7
3 Axle Vehicles	2	0	2	4	0	22	2	24	0	0	0	0	0	3	0	3	31
% 3 Axle Vehicles	1	0	1.7	1.2	0	1.4	0.8	1.3	0	0	0	0	0	0.4	0	0.3	0.9
4+ Axle Trucks	6	0	0	6	0	37	4	41	0	0	0	0	0	24	0	24	71
% 4+ Axle Trucks	3	0	0	1.9	0	2.3	1.6	2.2	0	0	0	0	0	3	0	2.1	2.1

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	28	0	17	45	0	196	34	230	0	2	2	4	34	131	0	165	444
07:45 AM	23	1	15	39	1	210	26	237	4	1	1	6	40	110	0	150	432
08:00 AM	36	0	23	59	0	192	41	233	1	1	2	4	35	101	0	136	432
08:15 AM	22	0	13	35	0	216	30	246	0	0	2	2	52	100	1	153	436
Total Volume	109	1	68	178	1	814	131	946	5	4	7	16	161	442	1	604	1744
% App. Total	61.2	0.6	38.2		0.1	86	13.8		31.2	25	43.8		26.7	73.2	0.2		
PHF	.757	.250	.739	.754	.250	.942	.799	.961	.313	.500	.875	.667	.774	.844	.250	.915	.982

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:15 AM				07:45 AM				07:15 AM				07:00 AM			
+0 mins.	26	0	16	42	1	210	26	237	1	2	2	5	51	109	0	160
+15 mins.	28	0	17	45	0	192	41	233	0	2	2	4	49	107	0	156
+30 mins.	23	1	15	39	0	216	30	246	4	1	1	6	34	131	0	165
+45 mins.	36	0	23	59	1	206	24	231	1	1	2	4	40	110	0	150
Total Volume	113	1	71	185	2	824	121	947	6	6	7	19	174	457	0	631
% App. Total	61.1	0.5	38.4		0.2	87	12.8		31.6	31.6	36.8		27.6	72.4	0	
PHF	.785	.250	.772	.784	.500	.954	.738	.962	.375	.750	.875	.792	.853	.872	.000	.956

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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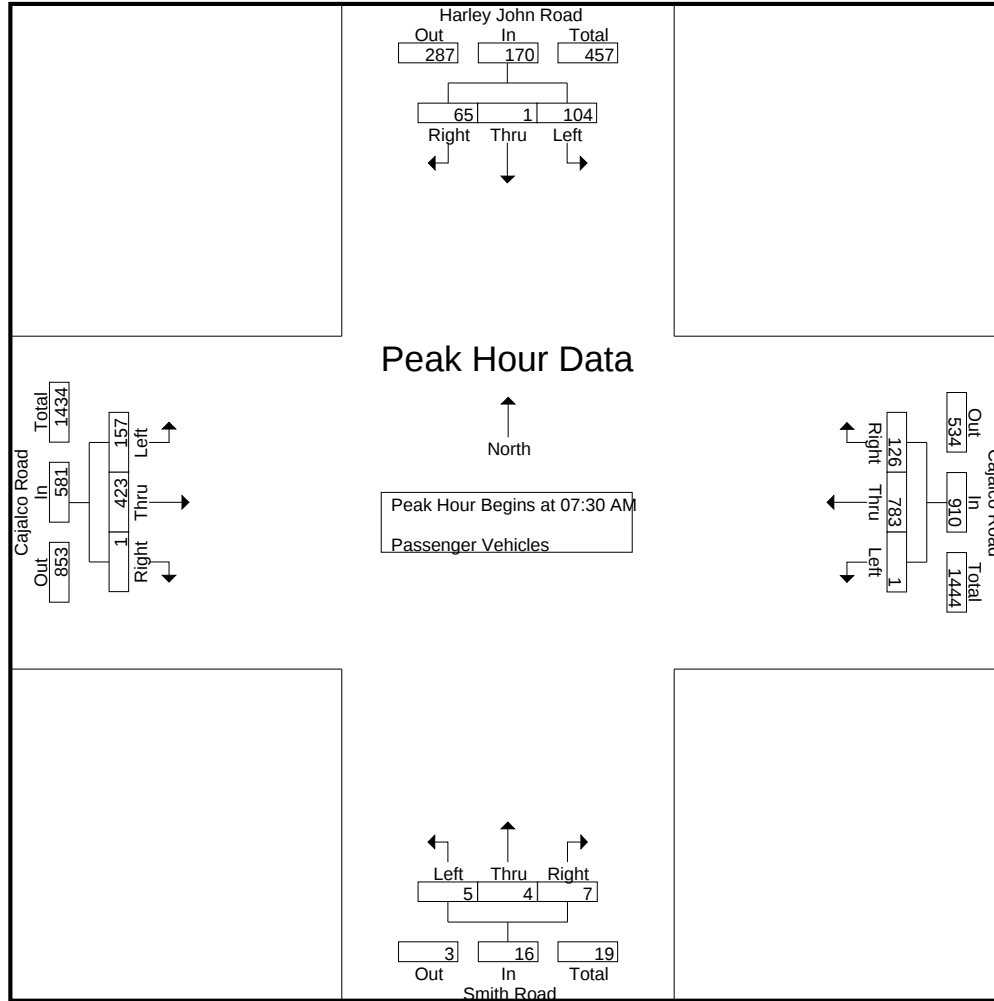
Groups Printed- Passenger Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	18	2	13	33	0	181	38	219	2	0	1	3	50	105	0	155	410
07:15 AM	24	0	15	39	0	165	38	203	1	2	2	5	49	97	0	146	393
07:30 AM	28	0	16	44	0	187	32	219	0	2	2	4	34	129	0	163	430
07:45 AM	23	1	13	37	1	203	24	228	4	1	1	6	38	104	0	142	413
Total	93	3	57	153	1	736	132	869	7	5	6	18	171	435	0	606	1646
08:00 AM	33	0	23	56	0	181	40	221	1	1	2	4	33	95	0	128	409
08:15 AM	20	0	13	33	0	212	30	242	0	0	2	2	52	95	1	148	425
08:30 AM	26	0	11	37	1	196	23	220	1	0	1	2	44	70	0	114	373
08:45 AM	14	0	11	25	1	193	21	215	0	0	1	1	31	72	1	104	345
Total	93	0	58	151	2	782	114	898	2	1	6	9	160	332	2	494	1552
Grand Total	186	3	115	304	3	1518	246	1767	9	6	12	27	331	767	2	1100	3198
Apprch %	61.2	1	37.8		0.2	85.9	13.9		33.3	22.2	44.4		30.1	69.7	0.2		
Total %	5.8	0.1	3.6	9.5	0.1	47.5	7.7	55.3	0.3	0.2	0.4	0.8	10.4	24	0.1	34.4	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	28	0	16	44	0	187	32	219	0	2	2	4	34	129	0	163	430
07:45 AM	23	1	13	37	1	203	24	228	4	1	1	6	38	104	0	142	413
08:00 AM	33	0	23	56	0	181	40	221	1	1	2	4	33	95	0	128	409
08:15 AM	20	0	13	33	0	212	30	242	0	0	2	2	52	95	1	148	425
Total Volume	104	1	65	170	1	783	126	910	5	4	7	16	157	423	1	581	1677
% App. Total	61.2	0.6	38.2		0.1	86	13.8		31.2	25	43.8		27	72.8	0.2		
PHF	.788	.250	.707	.759	.250	.923	.788	.940	.313	.500	.875	.667	.755	.820	.250	.891	.975

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
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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.	28	0	16	44	0	187	32	219	0	2	2	4	34	129	0	163
+15 mins.	23	1	13	37	1	203	24	228	4	1	1	6	38	104	0	142
+30 mins.	33	0	23	56	0	181	40	221	1	1	2	4	33	95	0	128
+45 mins.	20	0	13	33	0	212	30	242	0	0	2	2	52	95	1	148
Total Volume	104	1	65	170	1	783	126	910	5	4	7	16	157	423	1	581
% App. Total	61.2	0.6	38.2		0.1	86	13.8		31.2	25	43.8		27	72.8	0.2	
PHF	.788	.250	.707	.759	.250	.923	.788	.940	.313	.500	.875	.667	.755	.820	.250	.891

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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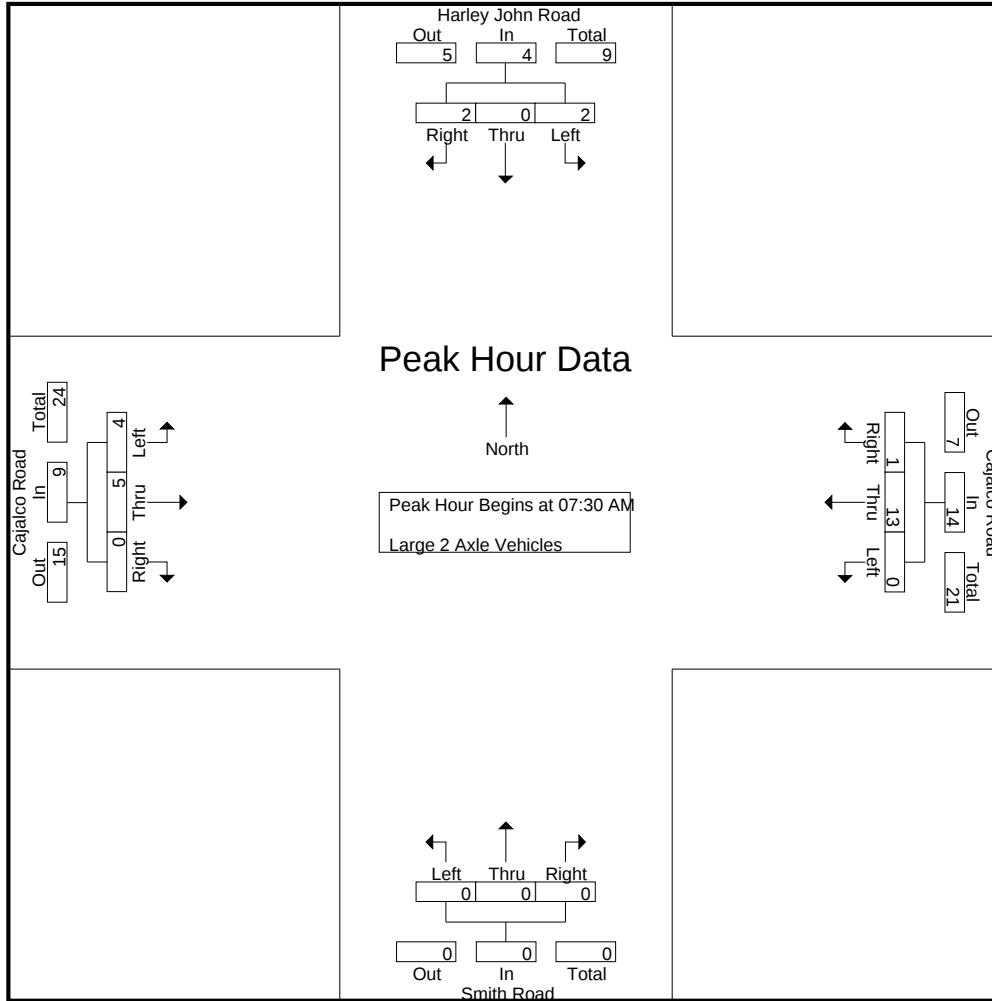
Groups Printed- Large 2 Axle Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	0	0	0	0	2	0	2	0	0	0	0	1	3	0	4	6
07:15 AM	2	0	0	2	0	4	2	6	0	0	0	0	0	2	0	2	10
07:30 AM	0	0	1	1	0	4	1	5	0	0	0	0	0	0	0	0	6
07:45 AM	0	0	1	1	0	5	0	5	0	0	0	0	2	3	0	5	11
Total	2	0	2	4	0	15	3	18	0	0	0	0	3	8	0	11	33
08:00 AM	1	0	0	1	0	3	0	3	0	0	0	0	2	1	0	3	7
08:15 AM	1	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1	3
08:30 AM	1	0	0	1	0	3	1	4	0	0	0	0	0	2	0	2	7
08:45 AM	0	0	0	0	0	3	2	5	0	0	0	0	0	2	0	2	7
Total	3	0	0	3	0	10	3	13	0	0	0	0	2	6	0	8	24
Grand Total	5	0	2	7	0	25	6	31	0	0	0	0	5	14	0	19	57
Apprch %	71.4	0	28.6		0	80.6	19.4		0	0	0		26.3	73.7	0		
Total %	8.8	0	3.5	12.3	0	43.9	10.5	54.4	0	0	0	0	8.8	24.6	0	33.3	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	0	1	1	0	4	1	5	0	0	0	0	0	0	0	0	6
07:45 AM	0	0	1	1	0	5	0	5	0	0	0	0	2	3	0	5	11
08:00 AM	1	0	0	1	0	3	0	3	0	0	0	0	2	1	0	3	7
08:15 AM	1	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1	3
Total Volume	2	0	2	4	0	13	1	14	0	0	0	0	4	5	0	9	27
% App. Total	50	0	50		0	92.9	7.1		0	0	0		44.4	55.6	0		
PHF	.500	.000	.500	1.00	.000	.650	.250	.700	.000	.000	.000	.000	.500	.417	.000	.450	.614

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
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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	0	1	1	0	4	1	5	0	0	0	0	0	0	0	0
+15 mins.	0	0	1	1	0	5	0	5	0	0	0	0	2	3	0	5
+30 mins.	1	0	0	1	0	3	0	3	0	0	0	0	2	1	0	3
+45 mins.	1	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1
Total Volume	2	0	2	4	0	13	1	14	0	0	0	0	4	5	0	9
% App. Total	50	0	50		0	92.9	7.1		0	0	0		44.4	55.6	0	
PHF	.500	.000	.500	1.000	.000	.650	.250	.700	.000	.000	.000	.000	.500	.417	.000	.450

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

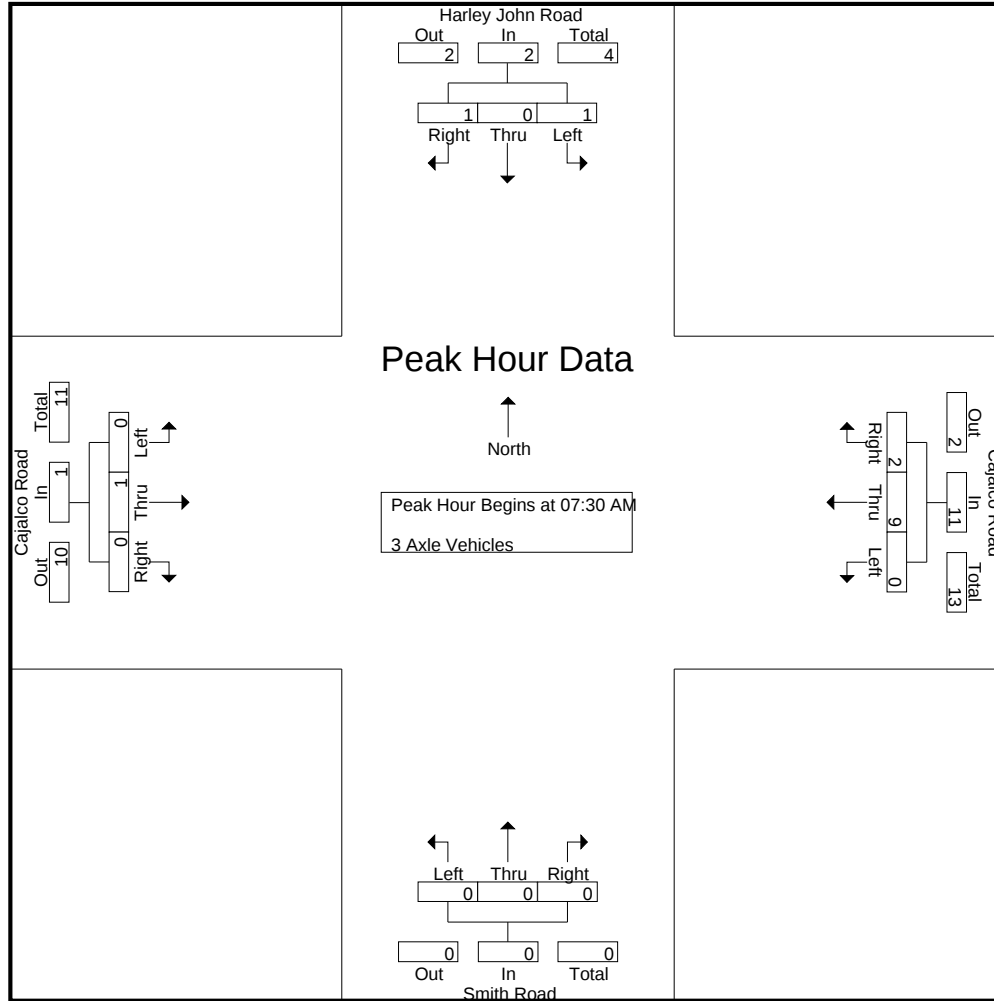
Groups Printed- 3 Axle Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	5
07:15 AM	0	0	1	1	0	4	0	4	0	0	0	0	0	0	0	0	5
07:30 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
07:45 AM	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	2
Total	0	0	2	2	0	10	1	11	0	0	0	0	0	1	0	1	14
08:00 AM	0	0	0	0	0	5	1	6	0	0	0	0	0	0	0	0	6
08:15 AM	1	0	0	1	0	3	0	3	0	0	0	0	0	0	0	0	4
08:30 AM	1	0	0	1	0	2	0	2	0	0	0	0	0	2	0	2	5
08:45 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2
Total	2	0	0	2	0	12	1	13	0	0	0	0	0	2	0	2	17
Grand Total	2	0	2	4	0	22	2	24	0	0	0	0	0	3	0	3	31
Apprch %	50	0	50		0	91.7	8.3		0	0	0		0	100	0		
Total %	6.5	0	6.5	12.9	0	71	6.5	77.4	0	0	0	0	0	9.7	0	9.7	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
07:45 AM	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	2
08:00 AM	0	0	0	0	0	5	1	6	0	0	0	0	0	0	0	0	6
08:15 AM	1	0	0	1	0	3	0	3	0	0	0	0	0	0	0	0	4
Total Volume	1	0	1	2	0	9	2	11	0	0	0	0	0	1	0	1	14
% App. Total	50	0	50		0	81.8	18.2		0	0	0		0	100	0		
PHF	.250	.000	.250	.500	.000	.450	.500	.458	.000	.000	.000	.000	.000	.250	.000	.250	.583

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1
+15 mins.	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	5	1	6	0	0	0	0	0	0	0	0
+45 mins.	1	0	0	1	0	3	0	3	0	0	0	0	0	0	0	0
Total Volume	1	0	1	2	0	9	2	11	0	0	0	0	0	1	0	1
% App. Total	50	0	50		0	81.8	18.2		0	0	0		0	100	0	
PHF	.250	.000	.250	.500	.000	.450	.500	.458	.000	.000	.000	.000	.000	.250	.000	.250

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
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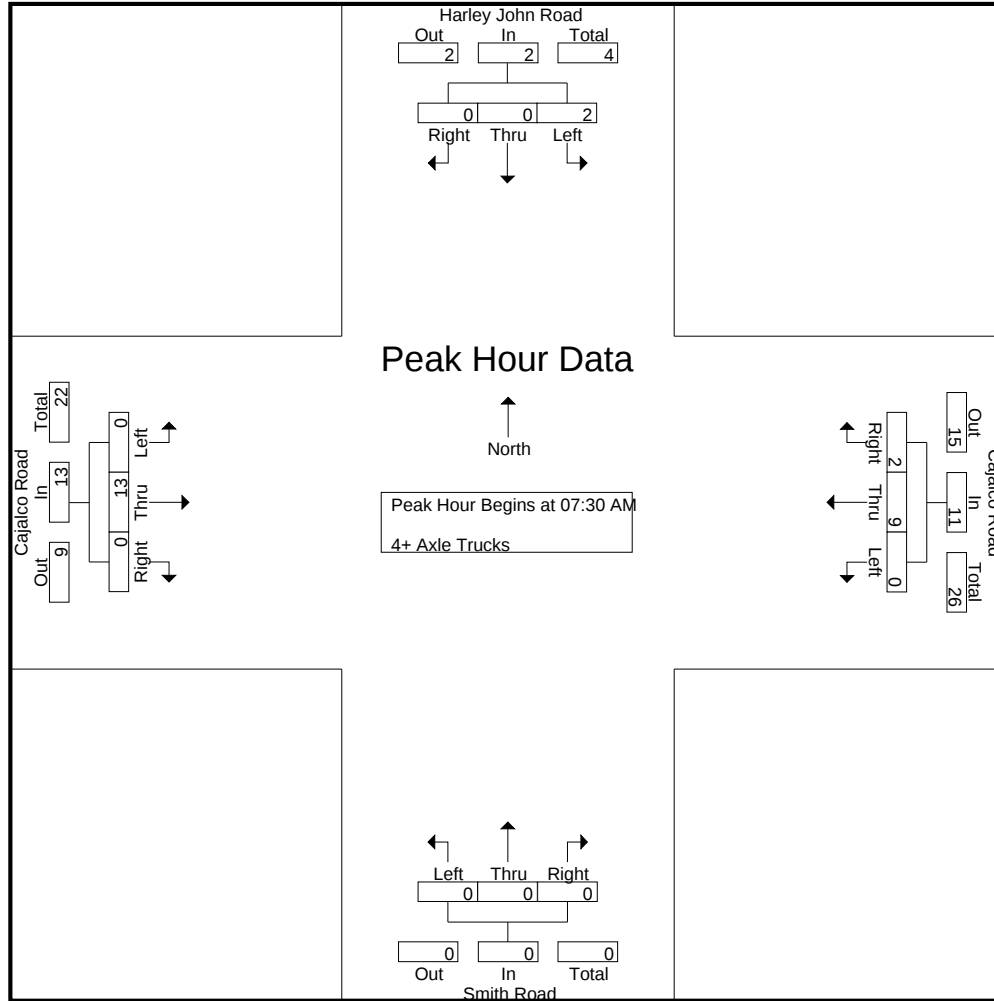
Groups Printed- 4+ Axle Trucks

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	2	0	0	2	0	7	1	8	0	0	0	0	0	1	0	1	11
07:15 AM	0	0	0	0	0	2	1	3	0	0	0	0	0	8	0	8	11
07:30 AM	0	0	0	0	0	4	1	5	0	0	0	0	0	1	0	1	6
07:45 AM	0	0	0	0	0	2	1	3	0	0	0	0	0	3	0	3	6
Total	2	0	0	2	0	15	4	19	0	0	0	0	0	13	0	13	34
08:00 AM	2	0	0	2	0	3	0	3	0	0	0	0	0	5	0	5	10
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	4
08:30 AM	0	0	0	0	0	5	0	5	0	0	0	0	0	1	0	1	6
08:45 AM	2	0	0	2	0	14	0	14	0	0	0	0	0	1	0	1	17
Total	4	0	0	4	0	22	0	22	0	0	0	0	0	11	0	11	37
Grand Total	6	0	0	6	0	37	4	41	0	0	0	0	0	24	0	24	71
Apprch %	100	0	0		0	90.2	9.8		0	0	0		0	100	0		
Total %	8.5	0	0	8.5	0	52.1	5.6	57.7	0	0	0	0	0	33.8	0	33.8	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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	0	0	0	0	4	1	5	0	0	0	0	0	1	0	1	6
07:45 AM	0	0	0	0	0	2	1	3	0	0	0	0	0	3	0	3	6
08:00 AM	2	0	0	2	0	3	0	3	0	0	0	0	0	5	0	5	10
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	4
Total Volume	2	0	0	2	0	9	2	11	0	0	0	0	0	13	0	13	26
% App. Total	100	0	0		0	81.8	18.2		0	0	0		0	100	0		
PHF	.250	.000	.000	.250	.000	.563	.500	.550	.000	.000	.000	.000	.000	.650	.000	.650	.650

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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	0	0	0	0	4	1	5	0	0	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	2	1	3	0	0	0	0	0	3	0	3
+30 mins.	2	0	0	2	0	3	0	3	0	0	0	0	0	5	0	5
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
Total Volume	2	0	0	2	0	9	2	11	0	0	0	0	0	13	0	13
% App. Total	100	0	0		0	81.8	18.2		0	0	0		0	100	0	
PHF	.250	.000	.000	.250	.000	.563	.500	.550	.000	.000	.000	.000	.000	.650	.000	.650

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

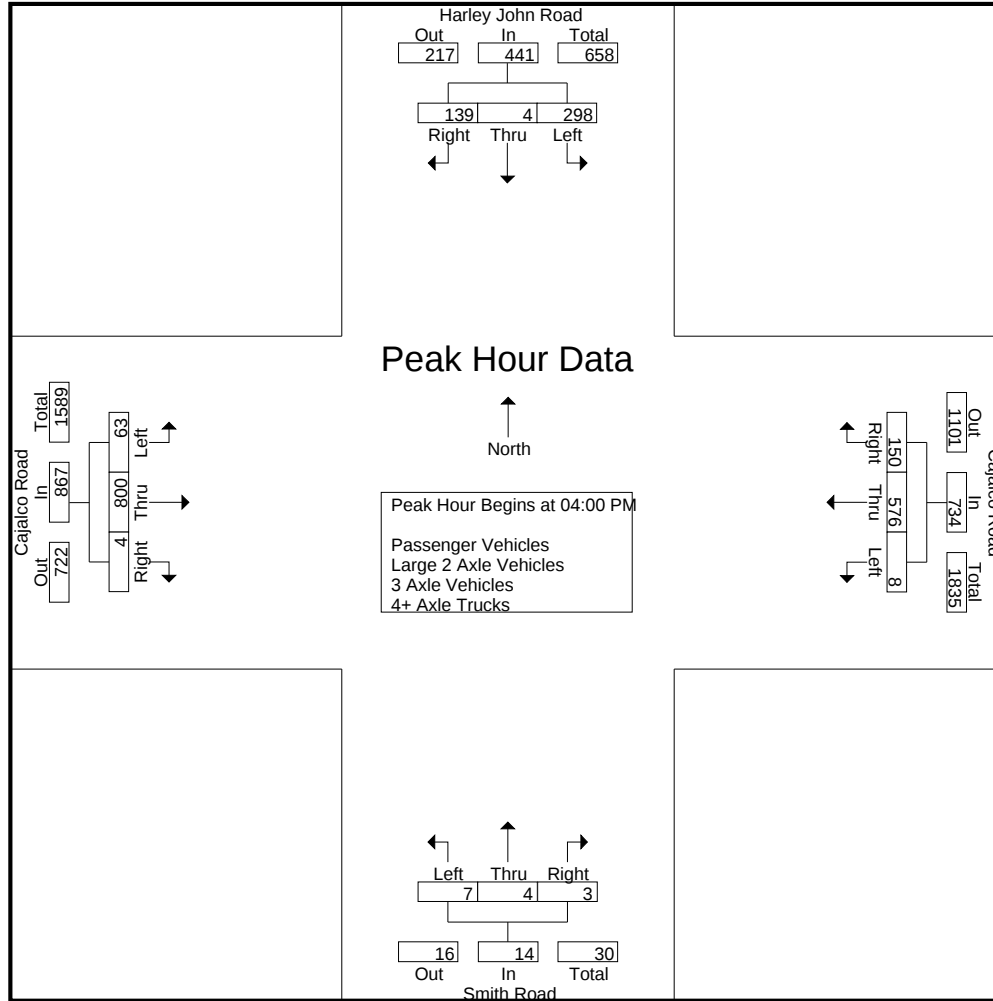
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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
04:00 PM	74	0	35	109	2	169	46	217	3	1	0	4	9	189	3	201	531
04:15 PM	71	1	40	112	4	129	27	160	1	1	2	4	20	196	1	217	493
04:30 PM	85	0	23	108	0	131	35	166	1	2	1	4	18	208	0	226	504
04:45 PM	68	3	41	112	2	147	42	191	2	0	0	2	16	207	0	223	528
Total	298	4	139	441	8	576	150	734	7	4	3	14	63	800	4	867	2056
05:00 PM	91	1	28	120	2	132	38	172	0	0	0	0	13	197	2	212	504
05:15 PM	111	0	42	153	2	126	21	149	1	1	0	2	9	200	2	211	515
05:30 PM	93	2	48	143	5	129	34	168	0	1	2	3	17	174	0	191	505
05:45 PM	72	0	26	98	1	113	27	141	0	2	1	3	15	207	0	222	464
Total	367	3	144	514	10	500	120	630	1	4	3	8	54	778	4	836	1988
Grand Total	665	7	283	955	18	1076	270	1364	8	8	6	22	117	1578	8	1703	4044
Apprch %	69.6	0.7	29.6		1.3	78.9	19.8		36.4	36.4	27.3		6.9	92.7	0.5		
Total %	16.4	0.2	7	23.6	0.4	26.6	6.7	33.7	0.2	0.2	0.1	0.5	2.9	39	0.2	42.1	
Passenger Vehicles	660	7	278	945	17	1046	262	1325	8	8	6	22	114	1530	8	1652	3944
% Passenger Vehicles	99.2	100	98.2	99	94.4	97.2	97	97.1	100	100	100	100	97.4	97	100	97	97.5
Large 2 Axle Vehicles	2	0	4	6	1	5	5	11	0	0	0	0	2	22	0	24	41
% Large 2 Axle Vehicles	0.3	0	1.4	0.6	5.6	0.5	1.9	0.8	0	0	0	0	1.7	1.4	0	1.4	1
3 Axle Vehicles	2	0	0	2	0	9	1	10	0	0	0	0	1	10	0	11	23
% 3 Axle Vehicles	0.3	0	0	0.2	0	0.8	0.4	0.7	0	0	0	0	0.9	0.6	0	0.6	0.6
4+ Axle Trucks	1	0	1	2	0	16	2	18	0	0	0	0	0	16	0	16	36
% 4+ Axle Trucks	0.2	0	0.4	0.2	0	1.5	0.7	1.3	0	0	0	0	0	1	0	0.9	0.9

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	74	0	35	109	2	169	46	217	3	1	0	4	9	189	3	201	531
04:15 PM	71	1	40	112	4	129	27	160	1	1	2	4	20	196	1	217	493
04:30 PM	85	0	23	108	0	131	35	166	1	2	1	4	18	208	0	226	504
04:45 PM	68	3	41	112	2	147	42	191	2	0	0	2	16	207	0	223	528
Total Volume	298	4	139	441	8	576	150	734	7	4	3	14	63	800	4	867	2056
% App. Total	67.6	0.9	31.5		1.1	78.5	20.4		50	28.6	21.4		7.3	92.3	0.5		
PHF	.876	.333	.848	.984	.500	.852	.815	.846	.583	.500	.375	.875	.788	.962	.333	.959	.968

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:45 PM				04:00 PM				04:00 PM				04:15 PM			
+0 mins.	68	3	41	112	2	169	46	217	3	1	0	4	20	196	1	217
+15 mins.	91	1	28	120	4	129	27	160	1	1	2	4	18	208	0	226
+30 mins.	111	0	42	153	0	131	35	166	1	2	1	4	16	207	0	223
+45 mins.	93	2	48	143	2	147	42	191	2	0	0	2	13	197	2	212
Total Volume	363	6	159	528	8	576	150	734	7	4	3	14	67	808	3	878
% App. Total	68.8	1.1	30.1		1.1	78.5	20.4		50	28.6	21.4		7.6	92	0.3	
PHF	.818	.500	.828	.863	.500	.852	.815	.846	.583	.500	.375	.875	.838	.971	.375	.971

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

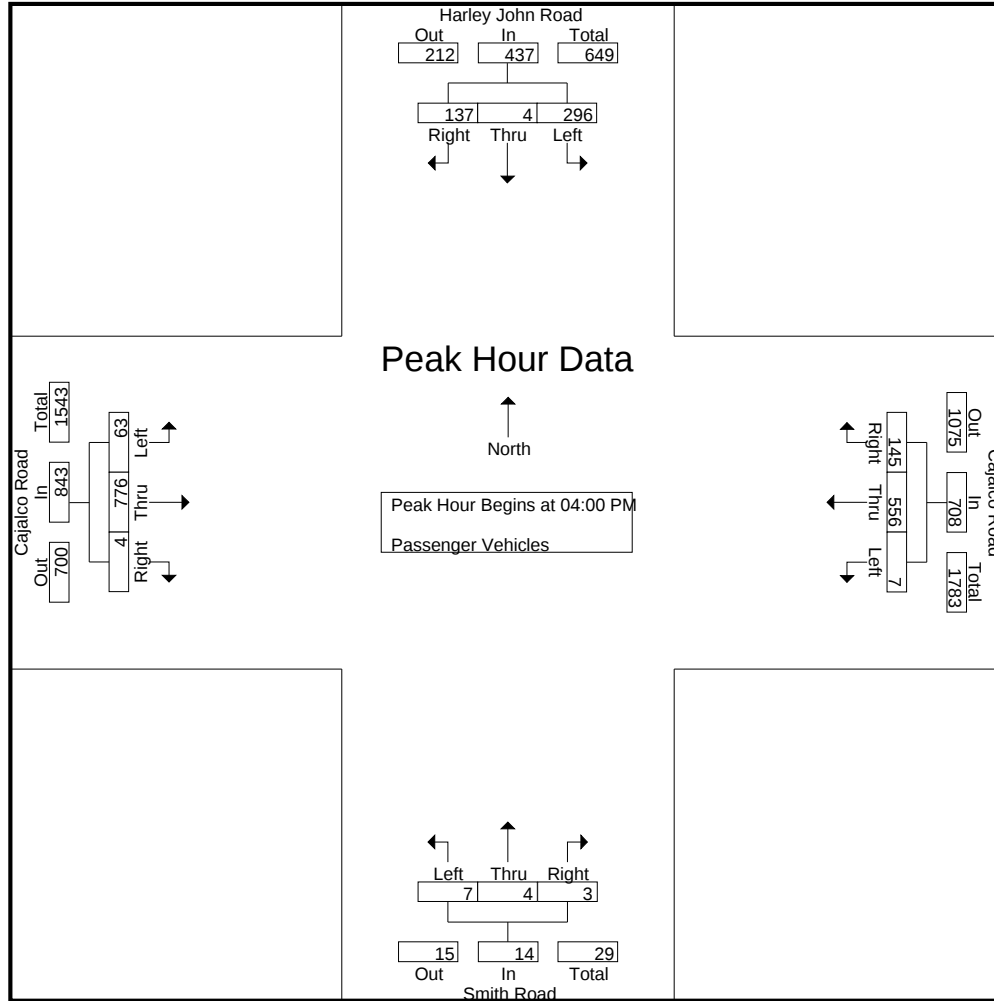
Groups Printed- Passenger Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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
04:00 PM	74	0	34	108	1	160	46	207	3	1	0	4	9	184	3	196	515
04:15 PM	70	1	39	110	4	125	24	153	1	1	2	4	20	185	1	206	473
04:30 PM	84	0	23	107	0	126	35	161	1	2	1	4	18	204	0	222	494
04:45 PM	68	3	41	112	2	145	40	187	2	0	0	2	16	203	0	219	520
Total	296	4	137	437	7	556	145	708	7	4	3	14	63	776	4	843	2002
05:00 PM	90	1	27	118	2	129	36	167	0	0	0	0	12	194	2	208	493
05:15 PM	111	0	41	152	2	124	21	147	1	1	0	2	9	192	2	203	504
05:30 PM	92	2	47	141	5	128	34	167	0	1	2	3	16	167	0	183	494
05:45 PM	71	0	26	97	1	109	26	136	0	2	1	3	14	201	0	215	451
Total	364	3	141	508	10	490	117	617	1	4	3	8	51	754	4	809	1942
Grand Total	660	7	278	945	17	1046	262	1325	8	8	6	22	114	1530	8	1652	3944
Apprch %	69.8	0.7	29.4		1.3	78.9	19.8		36.4	36.4	27.3		6.9	92.6	0.5		
Total %	16.7	0.2	7	24	0.4	26.5	6.6	33.6	0.2	0.2	0.2	0.6	2.9	38.8	0.2	41.9	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	74	0	34	108	1	160	46	207	3	1	0	4	9	184	3	196	515
04:15 PM	70	1	39	110	4	125	24	153	1	1	2	4	20	185	1	206	473
04:30 PM	84	0	23	107	0	126	35	161	1	2	1	4	18	204	0	222	494
04:45 PM	68	3	41	112	2	145	40	187	2	0	0	2	16	203	0	219	520
Total Volume	296	4	137	437	7	556	145	708	7	4	3	14	63	776	4	843	2002
% App. Total	67.7	0.9	31.4		1	78.5	20.5		50	28.6	21.4		7.5	92.1	0.5		
PHF	.881	.333	.835	.975	.438	.869	.788	.855	.583	.500	.375	.875	.788	.951	.333	.949	.963

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	74	0	34	108	1	160	46	207	3	1	0	4	9	184	3	196
+15 mins.	70	1	39	110	4	125	24	153	1	1	2	4	20	185	1	206
+30 mins.	84	0	23	107	0	126	35	161	1	2	1	4	18	204	0	222
+45 mins.	68	3	41	112	2	145	40	187	2	0	0	2	16	203	0	219
Total Volume	296	4	137	437	7	556	145	708	7	4	3	14	63	776	4	843
% App. Total	67.7	0.9	31.4		1	78.5	20.5		50	28.6	21.4		7.5	92.1	0.5	
PHF	.881	.333	.835	.975	.438	.869	.788	.855	.583	.500	.375	.875	.788	.951	.333	.949

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

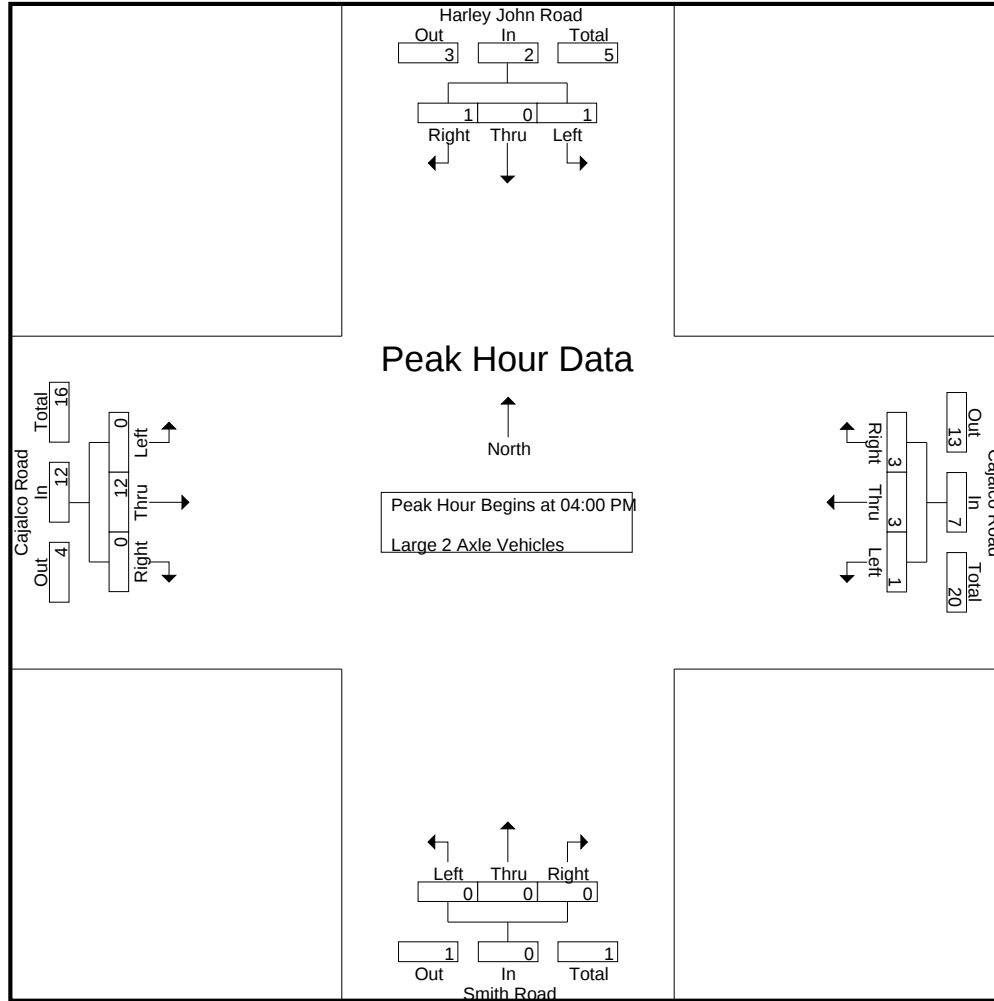
Groups Printed- Large 2 Axle Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road Eastbound				Int. Total
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	0	1	1	1	3	0	4	0	0	0	0	0	2	0	2	7
04:15 PM	1	0	0	1	0	0	2	2	0	0	0	0	0	7	0	7	10
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
04:45 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	2
Total	1	0	1	2	1	3	3	7	0	0	0	0	0	12	0	12	21
05:00 PM	0	0	1	1	0	0	1	1	0	0	0	0	1	1	0	2	4
05:15 PM	0	0	1	1	0	0	0	0	0	0	0	0	0	3	0	3	4
05:30 PM	0	0	1	1	0	0	0	0	0	0	0	0	0	4	0	4	5
05:45 PM	1	0	0	1	0	2	1	3	0	0	0	0	1	2	0	3	7
Total	1	0	3	4	0	2	2	4	0	0	0	0	2	10	0	12	20
Grand Total	2	0	4	6	1	5	5	11	0	0	0	0	2	22	0	24	41
Apprch %	33.3	0	66.7		9.1	45.5	45.5		0	0	0		8.3	91.7	0		
Total %	4.9	0	9.8	14.6	2.4	12.2	12.2	26.8	0	0	0	0	4.9	53.7	0	58.5	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	1	1	1	3	0	4	0	0	0	0	0	2	0	2	7
04:15 PM	1	0	0	1	0	0	2	2	0	0	0	0	0	7	0	7	10
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
04:45 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	2
Total Volume	1	0	1	2	1	3	3	7	0	0	0	0	0	12	0	12	21
% App. Total	50	0	50		14.3	42.9	42.9		0	0	0		0	100	0		
PHF	.250	.000	.250	.500	.250	.250	.375	.438	.000	.000	.000	.000	.000	.429	.000	.429	.525

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 2



Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	0	1	1	1	3	0	4	0	0	0	0	0	2	0	2
+15 mins.	1	0	0	1	0	0	2	2	0	0	0	0	0	7	0	7
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
+45 mins.	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1
Total Volume	1	0	1	2	1	3	3	7	0	0	0	0	0	12	0	12
% App. Total	50	0	50		14.3	42.9	42.9		0	0	0		0	100	0	
PHF	.250	.000	.250	.500	.250	.250	.375	.438	.000	.000	.000	.000	.000	.429	.000	.429

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

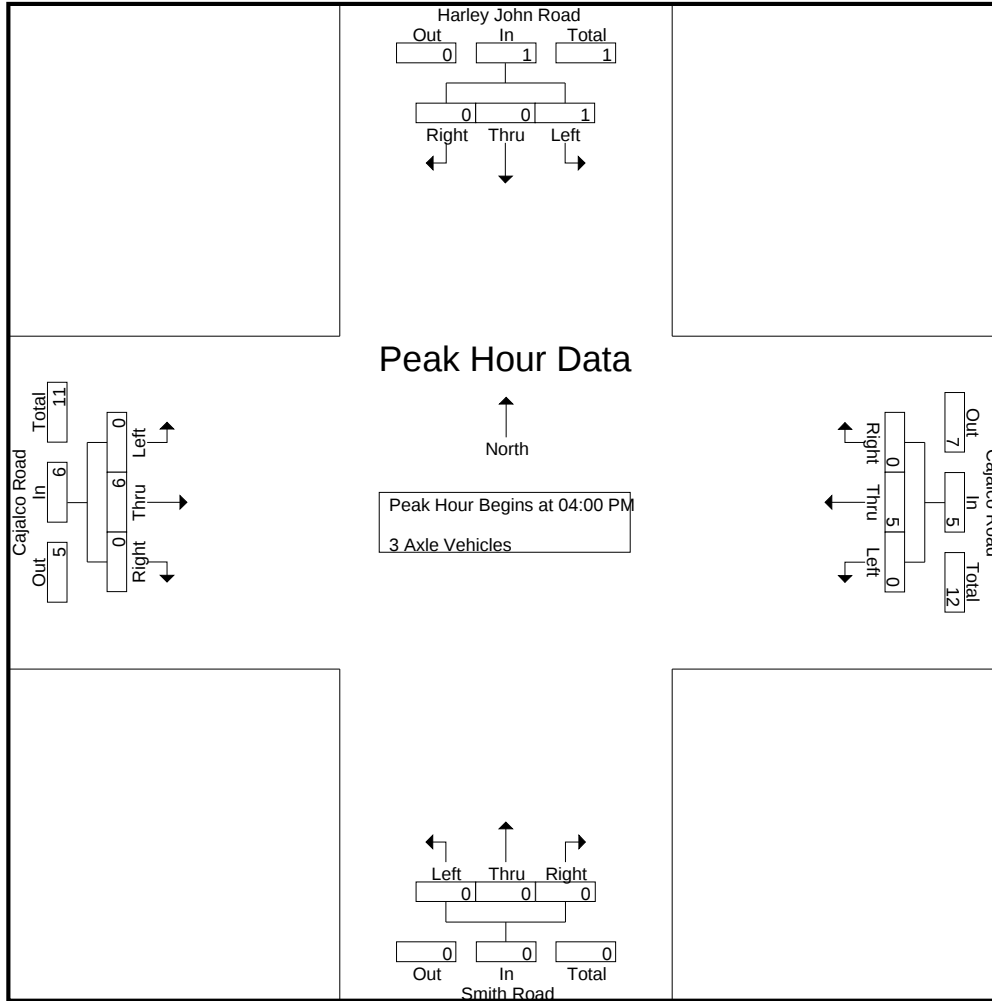
Groups Printed- 3 Axle Vehicles

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road Eastbound				Int. Total
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
04:15 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
04:30 PM	1	0	0	1	0	2	0	2	0	0	0	0	0	1	0	1	4
04:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
Total	1	0	0	1	0	5	0	5	0	0	0	0	0	6	0	6	12
05:00 PM	1	0	0	1	0	2	1	3	0	0	0	0	0	0	0	0	4
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
05:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	1	1	0	2	3
05:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
Total	1	0	0	1	0	4	1	5	0	0	0	0	1	4	0	5	11
Grand Total	2	0	0	2	0	9	1	10	0	0	0	0	1	10	0	11	23
Apprch %	100	0	0		0	90	10		0	0	0		9.1	90.9	0		
Total %	8.7	0	0	8.7	0	39.1	4.3	43.5	0	0	0	0	4.3	43.5	0	47.8	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
04:15 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
04:30 PM	1	0	0	1	0	2	0	2	0	0	0	0	0	1	0	1	4
04:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
Total Volume	1	0	0	1	0	5	0	5	0	0	0	0	0	6	0	6	12
% App. Total	100	0	0		0	100	0		0	0	0		0	100	0		
PHF	.250	.000	.000	.250	.000	.625	.000	.625	.000	.000	.000	.000	.000	.750	.000	.750	.750

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2
+30 mins.	1	0	0	1	0	2	0	2	0	0	0	0	0	1	0	1
+45 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2
Total Volume	1	0	0	1	0	5	0	5	0	0	0	0	0	6	0	6
% App. Total	100	0	0		0	100	0		0	0	0		0	100	0	
PHF	.250	.000	.000	.250	.000	.625	.000	.625	.000	.000	.000	.000	.000	.750	.000	.750

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

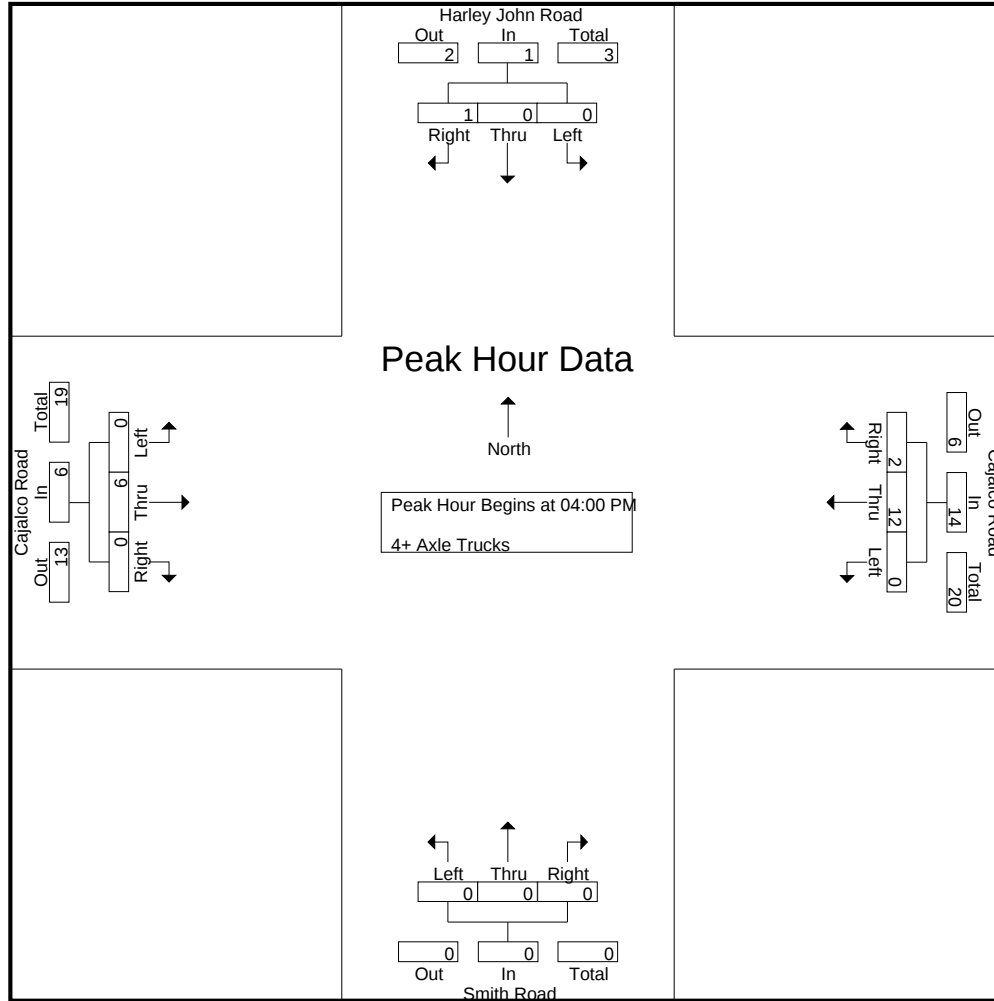
Groups Printed- 4+ Axle Trucks

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road Eastbound				Int. Total
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	0	0	0	0	5	0	5	0	0	0	0	0	2	0	2	7
04:15 PM	0	0	1	1	0	3	1	4	0	0	0	0	0	2	0	2	7
04:30 PM	0	0	0	0	0	3	0	3	0	0	0	0	0	1	0	1	4
04:45 PM	0	0	0	0	0	1	1	2	0	0	0	0	0	1	0	1	3
Total	0	0	1	1	0	12	2	14	0	0	0	0	0	6	0	6	21
05:00 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
05:15 PM	0	0	0	0	0	2	0	2	0	0	0	0	0	3	0	3	5
05:30 PM	1	0	0	1	0	0	0	0	0	0	0	0	0	2	0	2	3
05:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	4
Total	1	0	0	1	0	4	0	4	0	0	0	0	0	10	0	10	15
Grand Total	1	0	1	2	0	16	2	18	0	0	0	0	0	16	0	16	36
Apprch %	50	0	50		0	88.9	11.1		0	0	0		0	100	0		
Total %	2.8	0	2.8	5.6	0	44.4	5.6	50	0	0	0	0	0	44.4	0	44.4	

	Harley John Road Southbound				Cajalco Road Westbound				Smith Road Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	0	5	0	5	0	0	0	0	0	2	0	2	7
04:15 PM	0	0	1	1	0	3	1	4	0	0	0	0	0	2	0	2	7
04:30 PM	0	0	0	0	0	3	0	3	0	0	0	0	0	1	0	1	4
04:45 PM	0	0	0	0	0	1	1	2	0	0	0	0	0	1	0	1	3
Total Volume	0	0	1	1	0	12	2	14	0	0	0	0	0	6	0	6	21
% App. Total	0	0	100		0	85.7	14.3		0	0	0		0	100	0		
PHF	.000	.000	.250	.250	.000	.600	.500	.700	.000	.000	.000	.000	.000	.750	.000	.750	.750

County of Riverside
N/S: Harley John Road/Smith Road
E/W: Cajalco Road
Weather: Clear

File Name : 08_CRV_HJ_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	0	0	0	0	5	0	5	0	0	0	0	0	2	0	2
+15 mins.	0	0	1	1	0	3	1	4	0	0	0	0	0	2	0	2
+30 mins.	0	0	0	0	0	3	0	3	0	0	0	0	0	1	0	1
+45 mins.	0	0	0	0	0	1	1	2	0	0	0	0	0	1	0	1
Total Volume	0	0	1	1	0	12	2	14	0	0	0	0	0	6	0	6
% App. Total	0	0	100		0	85.7	14.3		0	0	0		0	100	0	
PHF	.000	.000	.250	.250	.000	.600	.500	.700	.000	.000	.000	.000	.000	.750	.000	.750

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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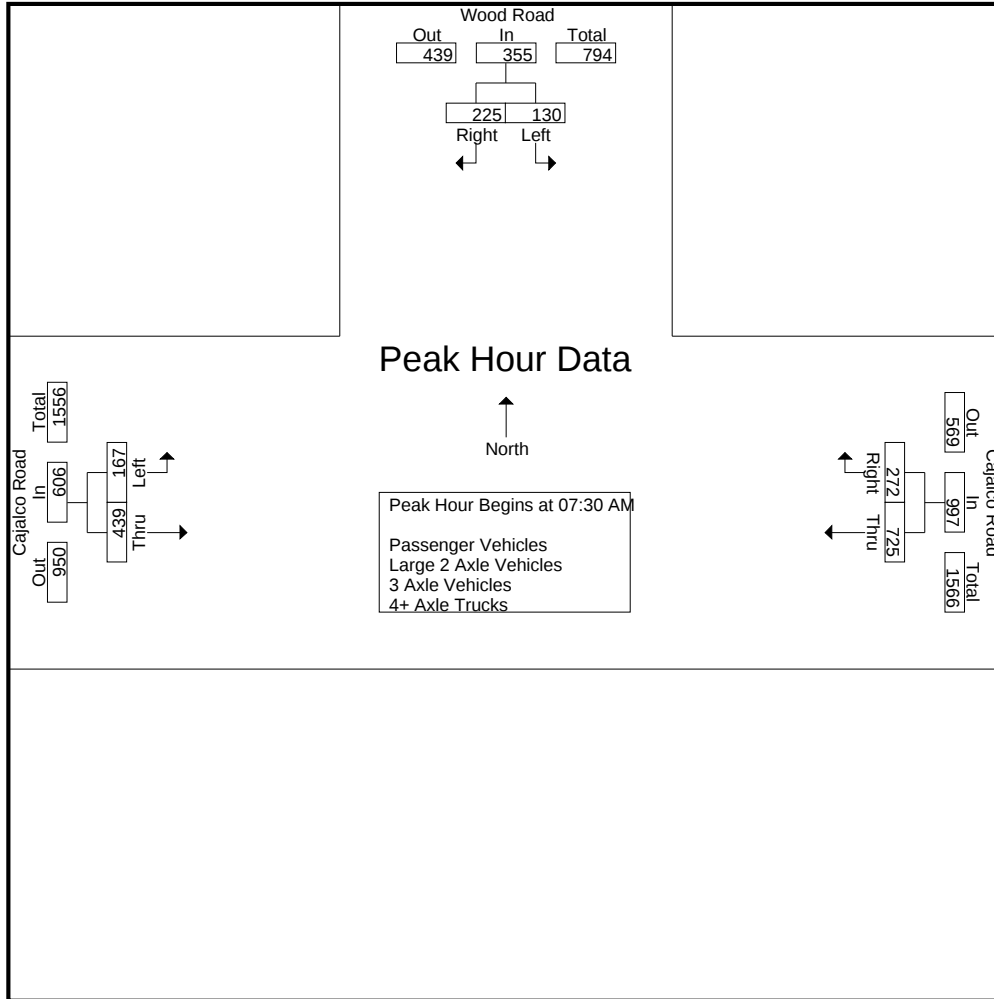
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	12	30	42	210	13	223	23	99	122	387
07:15 AM	6	33	39	194	15	209	34	109	143	391
07:30 AM	14	45	59	188	51	239	24	143	167	465
07:45 AM	19	49	68	173	51	224	58	103	161	453
Total	51	157	208	765	130	895	139	454	593	1696
08:00 AM	37	67	104	176	79	255	45	108	153	512
08:15 AM	60	64	124	188	91	279	40	85	125	528
08:30 AM	35	42	77	195	43	238	21	90	111	426
08:45 AM	12	44	56	181	39	220	26	74	100	376
Total	144	217	361	740	252	992	132	357	489	1842
Grand Total	195	374	569	1505	382	1887	271	811	1082	3538
Apprch %	34.3	65.7		79.8	20.2		25	75		
Total %	5.5	10.6	16.1	42.5	10.8	53.3	7.7	22.9	30.6	
Passenger Vehicles	189	369	558	1406	378	1784	261	766	1027	3369
% Passenger Vehicles	96.9	98.7	98.1	93.4	99	94.5	96.3	94.5	94.9	95.2
Large 2 Axle Vehicles	5	4	9	30	3	33	10	14	24	66
% Large 2 Axle Vehicles	2.6	1.1	1.6	2	0.8	1.7	3.7	1.7	2.2	1.9
3 Axle Vehicles	0	1	1	26	0	26	0	5	5	32
% 3 Axle Vehicles	0	0.3	0.2	1.7	0	1.4	0	0.6	0.5	0.9
4+ Axle Trucks	1	0	1	43	1	44	0	26	26	71
% 4+ Axle Trucks	0.5	0	0.2	2.9	0.3	2.3	0	3.2	2.4	2

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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 07:30 AM										
07:30 AM	14	45	59	188	51	239	24	143	167	465
07:45 AM	19	49	68	173	51	224	58	103	161	453
08:00 AM	37	67	104	176	79	255	45	108	153	512
08:15 AM	60	64	124	188	91	279	40	85	125	528
Total Volume	130	225	355	725	272	997	167	439	606	1958
% App. Total	36.6	63.4		72.7	27.3		27.6	72.4		
PHF	.542	.840	.716	.964	.747	.893	.720	.767	.907	.927

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:45 AM			07:30 AM			07:15 AM		
+0 mins.	19	49	68	188	51	239	34	109	143
+15 mins.	37	67	104	173	51	224	24	143	167
+30 mins.	60	64	124	176	79	255	58	103	161
+45 mins.	35	42	77	188	91	279	45	108	153
Total Volume	151	222	373	725	272	997	161	463	624
% App. Total	40.5	59.5		72.7	27.3		25.8	74.2	
PHF	.629	.828	.752	.964	.747	.893	.694	.809	.934

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

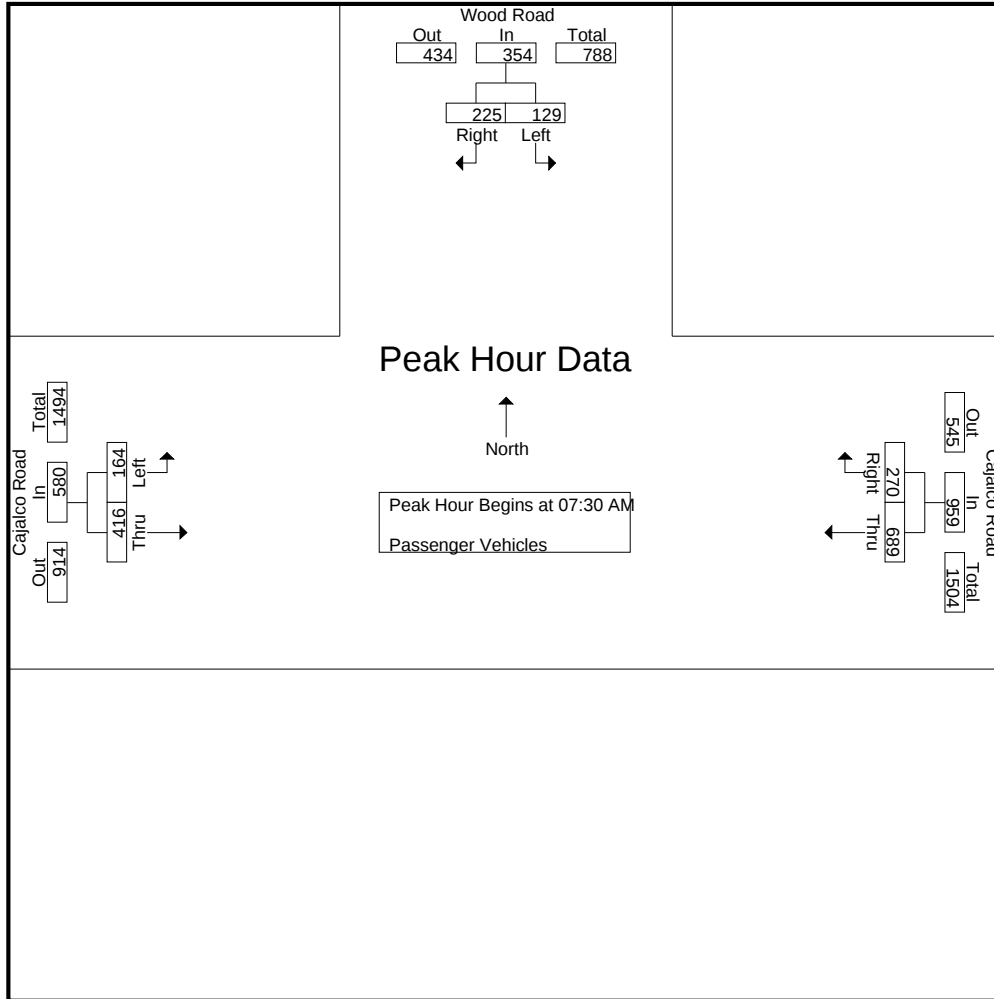
Groups Printed- Passenger Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	12	30	42	196	13	209	22	96	118	369
07:15 AM	6	29	35	183	15	198	30	101	131	364
07:30 AM	14	45	59	175	51	226	24	139	163	448
07:45 AM	19	49	68	165	51	216	55	99	154	438
Total	51	153	204	719	130	849	131	435	566	1619
08:00 AM	37	67	104	167	77	244	45	100	145	493
08:15 AM	59	64	123	182	91	273	40	78	118	514
08:30 AM	30	41	71	177	41	218	19	84	103	392
08:45 AM	12	44	56	161	39	200	26	69	95	351
Total	138	216	354	687	248	935	130	331	461	1750
Grand Total	189	369	558	1406	378	1784	261	766	1027	3369
Apprch %	33.9	66.1		78.8	21.2		25.4	74.6		
Total %	5.6	11	16.6	41.7	11.2	53	7.7	22.7	30.5	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	14	45	59	175	51	226	24	139	163	448
07:45 AM	19	49	68	165	51	216	55	99	154	438
08:00 AM	37	67	104	167	77	244	45	100	145	493
08:15 AM	59	64	123	182	91	273	40	78	118	514
Total Volume	129	225	354	689	270	959	164	416	580	1893
% App. Total	36.4	63.6		71.8	28.2		28.3	71.7		
PHF	.547	.840	.720	.946	.742	.878	.745	.748	.890	.921

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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		
+0 mins.	14	45	59	175	51	226	24	139	163
+15 mins.	19	49	68	165	51	216	55	99	154
+30 mins.	37	67	104	167	77	244	45	100	145
+45 mins.	59	64	123	182	91	273	40	78	118
Total Volume	129	225	354	689	270	959	164	416	580
% App. Total	36.4	63.6		71.8	28.2		28.3	71.7	
PHF	.547	.840	.720	.946	.742	.878	.745	.748	.890

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

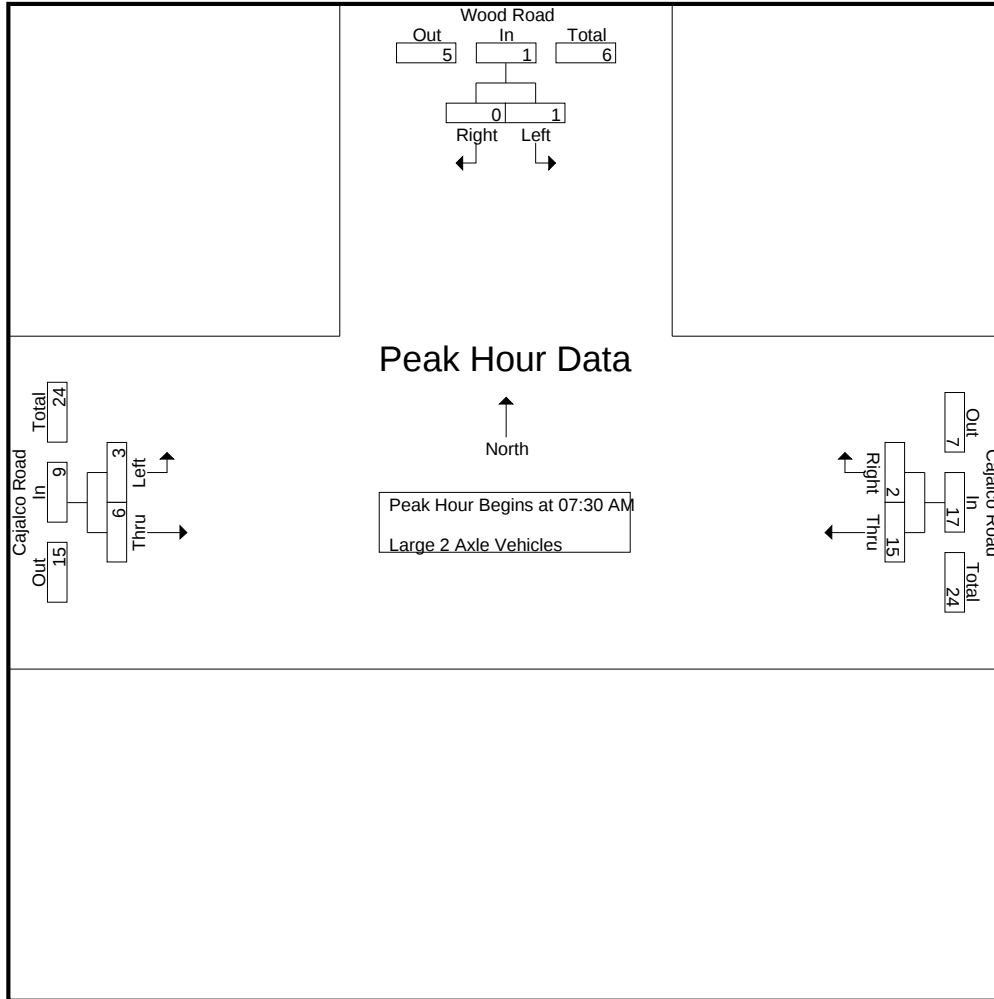
Groups Printed- Large 2 Axle Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	3	0	3	1	0	1	4
07:15 AM	0	4	4	4	0	4	4	3	7	15
07:30 AM	0	0	0	6	0	6	0	1	1	7
07:45 AM	0	0	0	4	0	4	3	1	4	8
Total	0	4	4	17	0	17	8	5	13	34
08:00 AM	0	0	0	2	2	4	0	2	2	6
08:15 AM	1	0	1	3	0	3	0	2	2	6
08:30 AM	4	0	4	2	1	3	2	3	5	12
08:45 AM	0	0	0	6	0	6	0	2	2	8
Total	5	0	5	13	3	16	2	9	11	32
Grand Total	5	4	9	30	3	33	10	14	24	66
Apprch %	55.6	44.4		90.9	9.1		41.7	58.3		
Total %	7.6	6.1	13.6	45.5	4.5	50	15.2	21.2	36.4	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	6	0	6	0	1	1	7
07:45 AM	0	0	0	4	0	4	3	1	4	8
08:00 AM	0	0	0	2	2	4	0	2	2	6
08:15 AM	1	0	1	3	0	3	0	2	2	6
Total Volume	1	0	1	15	2	17	3	6	9	27
% App. Total	100	0		88.2	11.8		33.3	66.7		
PHF	.250	.000	.250	.625	.250	.708	.250	.750	.563	.844

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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		
+0 mins.	0	0	0	6	0	6	0	1	1
+15 mins.	0	0	0	4	0	4	3	1	4
+30 mins.	0	0	0	2	2	4	0	2	2
+45 mins.	1	0	1	3	0	3	0	2	2
Total Volume	1	0	1	15	2	17	3	6	9
% App. Total	100	0		88.2	11.8		33.3	66.7	
PHF	.250	.000	.250	.625	.250	.708	.250	.750	.563

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

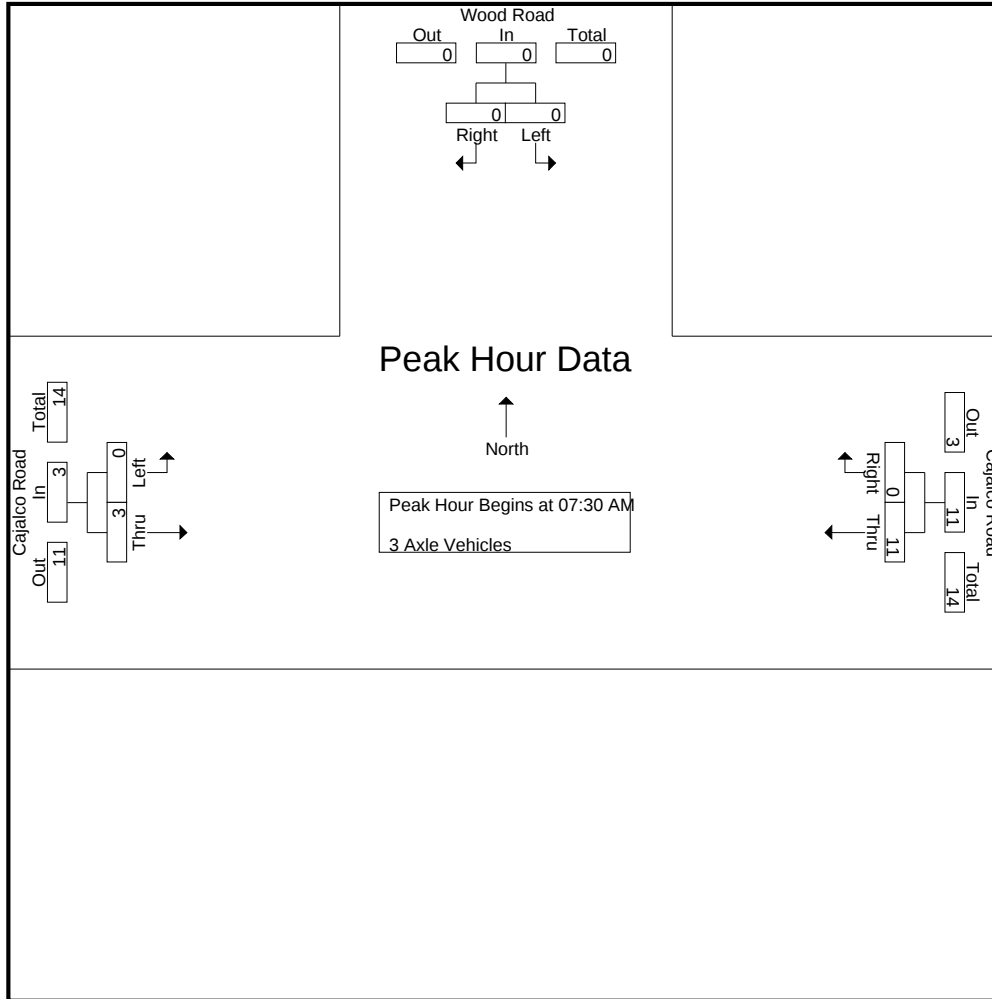
Groups Printed- 3 Axle Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	4	0	4	0	0	0	4
07:15 AM	0	0	0	3	0	3	0	0	0	3
07:30 AM	0	0	0	2	0	2	0	1	1	3
07:45 AM	0	0	0	3	0	3	0	0	0	3
Total	0	0	0	12	0	12	0	1	1	13
08:00 AM	0	0	0	4	0	4	0	1	1	5
08:15 AM	0	0	0	2	0	2	0	1	1	3
08:30 AM	0	1	1	5	0	5	0	1	1	7
08:45 AM	0	0	0	3	0	3	0	1	1	4
Total	0	1	1	14	0	14	0	4	4	19
Grand Total	0	1	1	26	0	26	0	5	5	32
Apprch %	0	100		100	0		0	100		
Total %	0	3.1	3.1	81.2	0	81.2	0	15.6	15.6	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	2	0	2	0	1	1	3
07:45 AM	0	0	0	3	0	3	0	0	0	3
08:00 AM	0	0	0	4	0	4	0	1	1	5
08:15 AM	0	0	0	2	0	2	0	1	1	3
Total Volume	0	0	0	11	0	11	0	3	3	14
% App. Total	0	0		100	0		0	100		
PHF	.000	.000	.000	.688	.000	.688	.000	.750	.750	.700

County of Riverside
 N/S: Wood Road
 E/W: Cajalco Road
 Weather: Clear

File Name : 09_CRV_Wood_Caj AM
 Site Code : 04225436
 Start Date : 4/29/2025
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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		
+0 mins.	0	0	0	2	0	2	0	1	1
+15 mins.	0	0	0	3	0	3	0	0	0
+30 mins.	0	0	0	4	0	4	0	1	1
+45 mins.	0	0	0	2	0	2	0	1	1
Total Volume	0	0	0	11	0	11	0	3	3
% App. Total	0	0	0	100	0	100	0	100	100
PHF	.000	.000	.000	.688	.000	.688	.000	.750	.750

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
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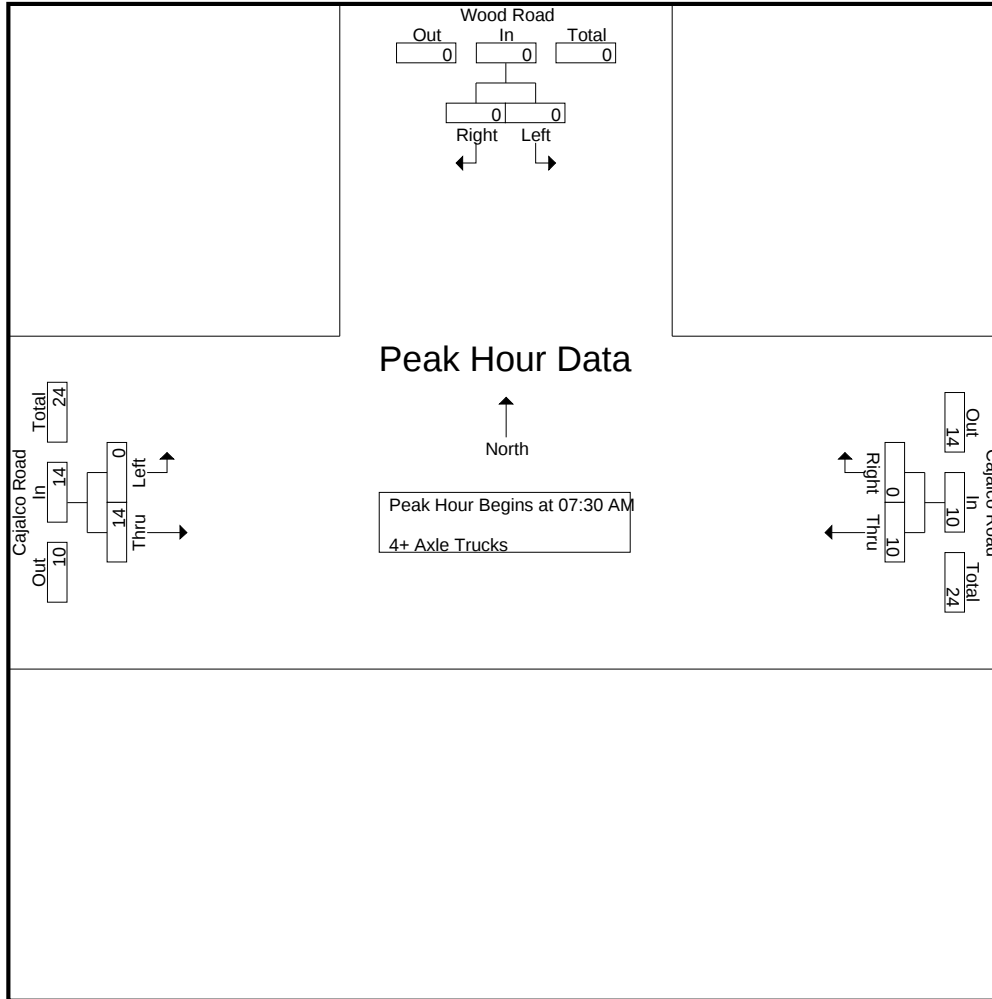
Groups Printed- 4+ Axle Trucks

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
07:00 AM	0	0	0	7	0	7	0	3	3	10
07:15 AM	0	0	0	4	0	4	0	5	5	9
07:30 AM	0	0	0	5	0	5	0	2	2	7
07:45 AM	0	0	0	1	0	1	0	3	3	4
Total	0	0	0	17	0	17	0	13	13	30
08:00 AM	0	0	0	3	0	3	0	5	5	8
08:15 AM	0	0	0	1	0	1	0	4	4	5
08:30 AM	1	0	1	11	1	12	0	2	2	15
08:45 AM	0	0	0	11	0	11	0	2	2	13
Total	1	0	1	26	1	27	0	13	13	41
Grand Total	1	0	1	43	1	44	0	26	26	71
Apprch %	100	0		97.7	2.3		0	100		
Total %	1.4	0	1.4	60.6	1.4	62	0	36.6	36.6	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	0	0	5	0	5	0	2	2	7
07:45 AM	0	0	0	1	0	1	0	3	3	4
08:00 AM	0	0	0	3	0	3	0	5	5	8
08:15 AM	0	0	0	1	0	1	0	4	4	5
Total Volume	0	0	0	10	0	10	0	14	14	24
% App. Total	0	0		100	0		0	100		
PHF	.000	.000	.000	.500	.000	.500	.000	.700	.700	.750

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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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		
+0 mins.	0	0	0	5	0	5	0	2	2
+15 mins.	0	0	0	1	0	1	0	3	3
+30 mins.	0	0	0	3	0	3	0	5	5
+45 mins.	0	0	0	1	0	1	0	4	4
Total Volume	0	0	0	10	0	10	0	14	14
% App. Total	0	0	0	100	0	100	0	100	100
PHF	.000	.000	.000	.500	.000	.500	.000	.700	.700

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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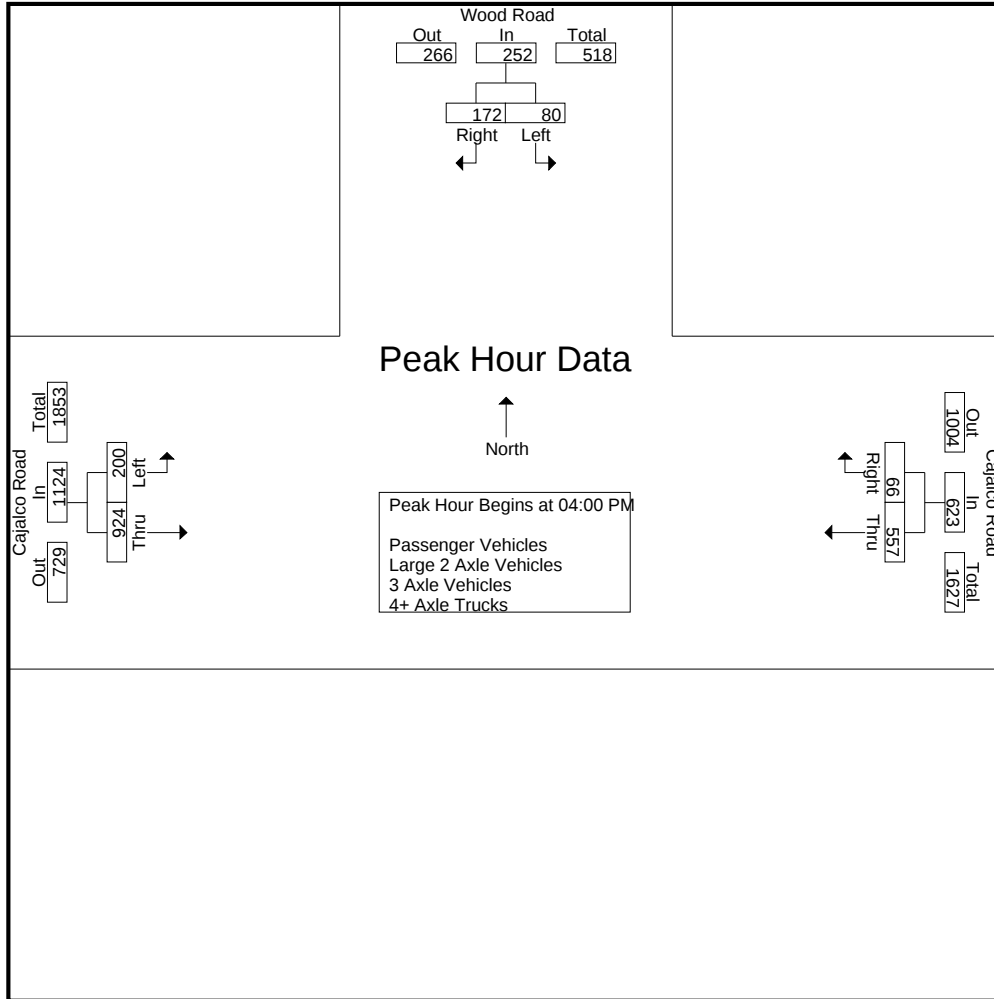
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	31	55	86	136	17	153	53	232	285	524
04:15 PM	21	31	52	143	17	160	44	234	278	490
04:30 PM	18	40	58	127	18	145	54	227	281	484
04:45 PM	10	46	56	151	14	165	49	231	280	501
Total	80	172	252	557	66	623	200	924	1124	1999
05:00 PM	12	55	67	117	16	133	31	236	267	467
05:15 PM	18	34	52	132	13	145	46	255	301	498
05:30 PM	16	46	62	111	16	127	50	246	296	485
05:45 PM	13	31	44	119	15	134	41	231	272	450
Total	59	166	225	479	60	539	168	968	1136	1900
Grand Total	139	338	477	1036	126	1162	368	1892	2260	3899
Apprch %	29.1	70.9		89.2	10.8		16.3	83.7		
Total %	3.6	8.7	12.2	26.6	3.2	29.8	9.4	48.5	58	
Passenger Vehicles	138	334	472	1006	125	1131	360	1849	2209	3812
% Passenger Vehicles	99.3	98.8	99	97.1	99.2	97.3	97.8	97.7	97.7	97.8
Large 2 Axle Vehicles	0	1	1	8	1	9	5	20	25	35
% Large 2 Axle Vehicles	0	0.3	0.2	0.8	0.8	0.8	1.4	1.1	1.1	0.9
3 Axle Vehicles	0	2	2	7	0	7	1	8	9	18
% 3 Axle Vehicles	0	0.6	0.4	0.7	0	0.6	0.3	0.4	0.4	0.5
4+ Axle Trucks	1	1	2	15	0	15	2	15	17	34
% 4+ Axle Trucks	0.7	0.3	0.4	1.4	0	1.3	0.5	0.8	0.8	0.9

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	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	31	55	86	136	17	153	53	232	285	524
04:15 PM	21	31	52	143	17	160	44	234	278	490
04:30 PM	18	40	58	127	18	145	54	227	281	484
04:45 PM	10	46	56	151	14	165	49	231	280	501
Total Volume	80	172	252	557	66	623	200	924	1124	1999
% App. Total	31.7	68.3		89.4	10.6		17.8	82.2		
PHF	.645	.782	.733	.922	.917	.944	.926	.987	.986	.954

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
Site Code : 04225436
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:45 PM		
+0 mins.	31	55	86	136	17	153	49	231	280
+15 mins.	21	31	52	143	17	160	31	236	267
+30 mins.	18	40	58	127	18	145	46	255	301
+45 mins.	10	46	56	151	14	165	50	246	296
Total Volume	80	172	252	557	66	623	176	968	1144
% App. Total	31.7	68.3		89.4	10.6		15.4	84.6	
PHF	.645	.782	.733	.922	.917	.944	.880	.949	.950

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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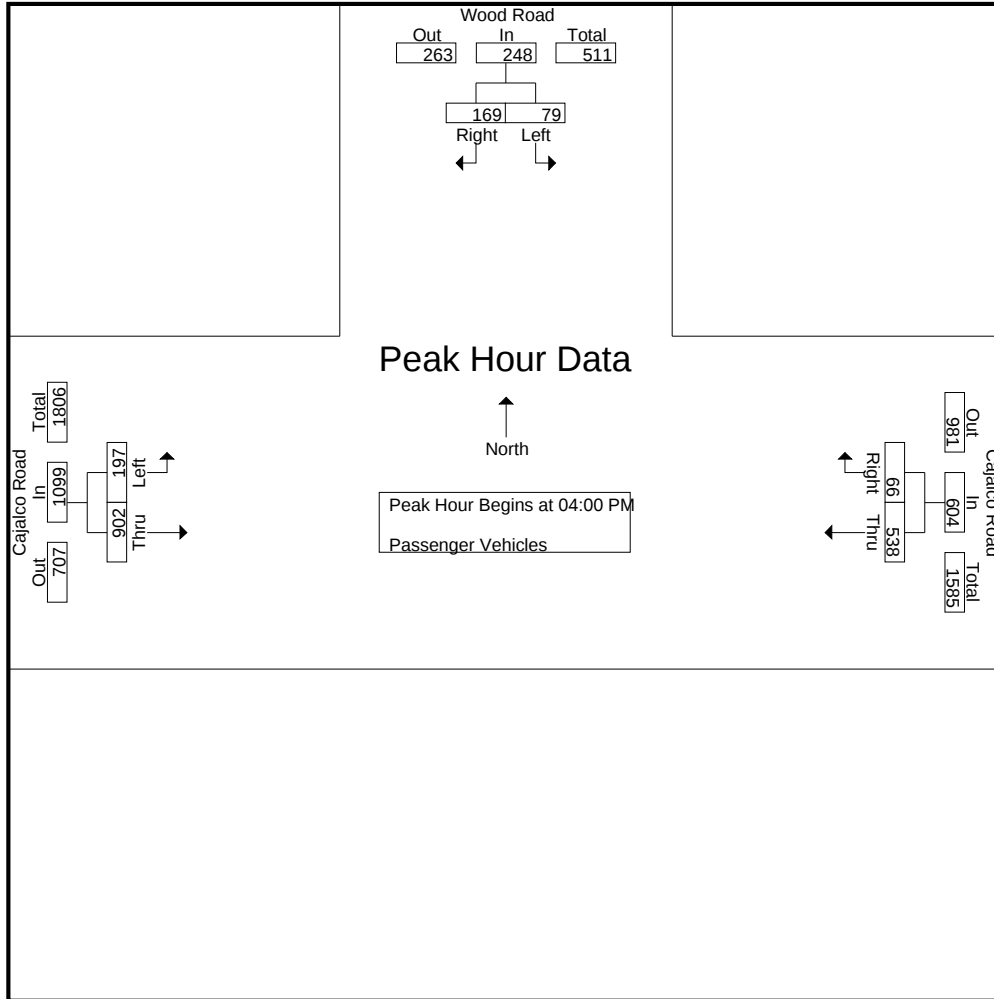
Groups Printed- Passenger Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	31	54	85	132	17	149	53	227	280	514
04:15 PM	21	31	52	137	17	154	42	226	268	474
04:30 PM	18	40	58	122	18	140	54	222	276	474
04:45 PM	9	44	53	147	14	161	48	227	275	489
Total	79	169	248	538	66	604	197	902	1099	1951
05:00 PM	12	55	67	115	15	130	29	233	262	459
05:15 PM	18	34	52	129	13	142	46	250	296	490
05:30 PM	16	46	62	109	16	125	49	237	286	473
05:45 PM	13	30	43	115	15	130	39	227	266	439
Total	59	165	224	468	59	527	163	947	1110	1861
Grand Total	138	334	472	1006	125	1131	360	1849	2209	3812
Apprch %	29.2	70.8		88.9	11.1		16.3	83.7		
Total %	3.6	8.8	12.4	26.4	3.3	29.7	9.4	48.5	57.9	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	31	54	85	132	17	149	53	227	280	514
04:15 PM	21	31	52	137	17	154	42	226	268	474
04:30 PM	18	40	58	122	18	140	54	222	276	474
04:45 PM	9	44	53	147	14	161	48	227	275	489
Total Volume	79	169	248	538	66	604	197	902	1099	1951
% App. Total	31.9	68.1		89.1	10.9		17.9	82.1		
PHF	.637	.782	.729	.915	.917	.938	.912	.993	.981	.949

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	31	54	85	132	17	149	53	227	280
+15 mins.	21	31	52	137	17	154	42	226	268
+30 mins.	18	40	58	122	18	140	54	222	276
+45 mins.	9	44	53	147	14	161	48	227	275
Total Volume	79	169	248	538	66	604	197	902	1099
% App. Total	31.9	68.1		89.1	10.9		17.9	82.1	
PHF	.637	.782	.729	.915	.917	.938	.912	.993	.981

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
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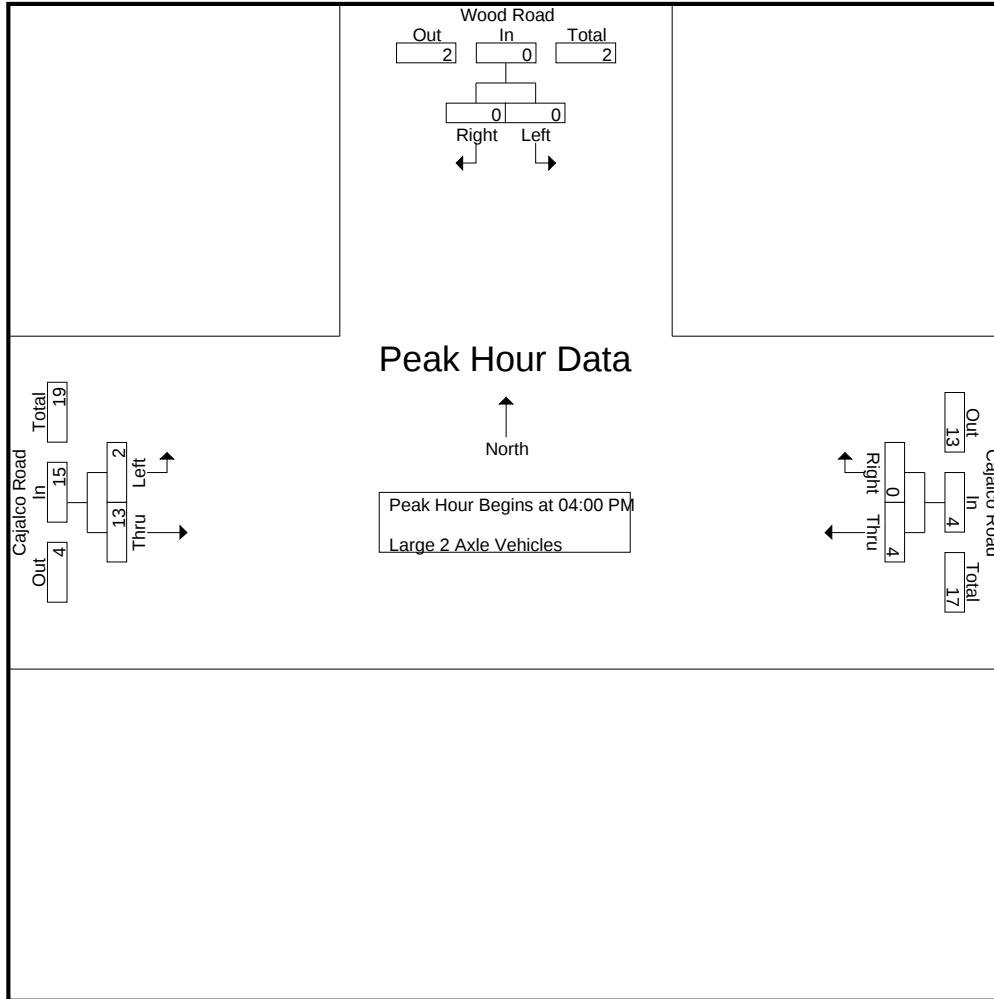
Groups Printed- Large 2 Axle Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	2	0	2	0	3	3	5
04:15 PM	0	0	0	1	0	1	1	6	7	8
04:30 PM	0	0	0	0	0	0	0	3	3	3
04:45 PM	0	0	0	1	0	1	1	1	2	3
Total	0	0	0	4	0	4	2	13	15	19
05:00 PM	0	0	0	0	1	1	0	1	1	2
05:15 PM	0	0	0	1	0	1	0	1	1	2
05:30 PM	0	0	0	0	0	0	1	4	5	5
05:45 PM	0	1	1	3	0	3	2	1	3	7
Total	0	1	1	4	1	5	3	7	10	16
Grand Total	0	1	1	8	1	9	5	20	25	35
Apprch %	0	100		88.9	11.1		20	80		
Total %	0	2.9	2.9	22.9	2.9	25.7	14.3	57.1	71.4	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	0	0	2	0	2	0	3	3	5
04:15 PM	0	0	0	1	0	1	1	6	7	8
04:30 PM	0	0	0	0	0	0	0	3	3	3
04:45 PM	0	0	0	1	0	1	1	1	2	3
Total Volume	0	0	0	4	0	4	2	13	15	19
% App. Total	0	0		100	0		13.3	86.7		
PHF	.000	.000	.000	.500	.000	.500	.500	.542	.536	.594

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	0	0	2	0	2	0	3	3
+15 mins.	0	0	0	1	0	1	1	6	7
+30 mins.	0	0	0	0	0	0	0	3	3
+45 mins.	0	0	0	1	0	1	1	1	2
Total Volume	0	0	0	4	0	4	2	13	15
% App. Total	0	0	0	100	0		13.3	86.7	
PHF	.000	.000	.000	.500	.000	.500	.500	.542	.536

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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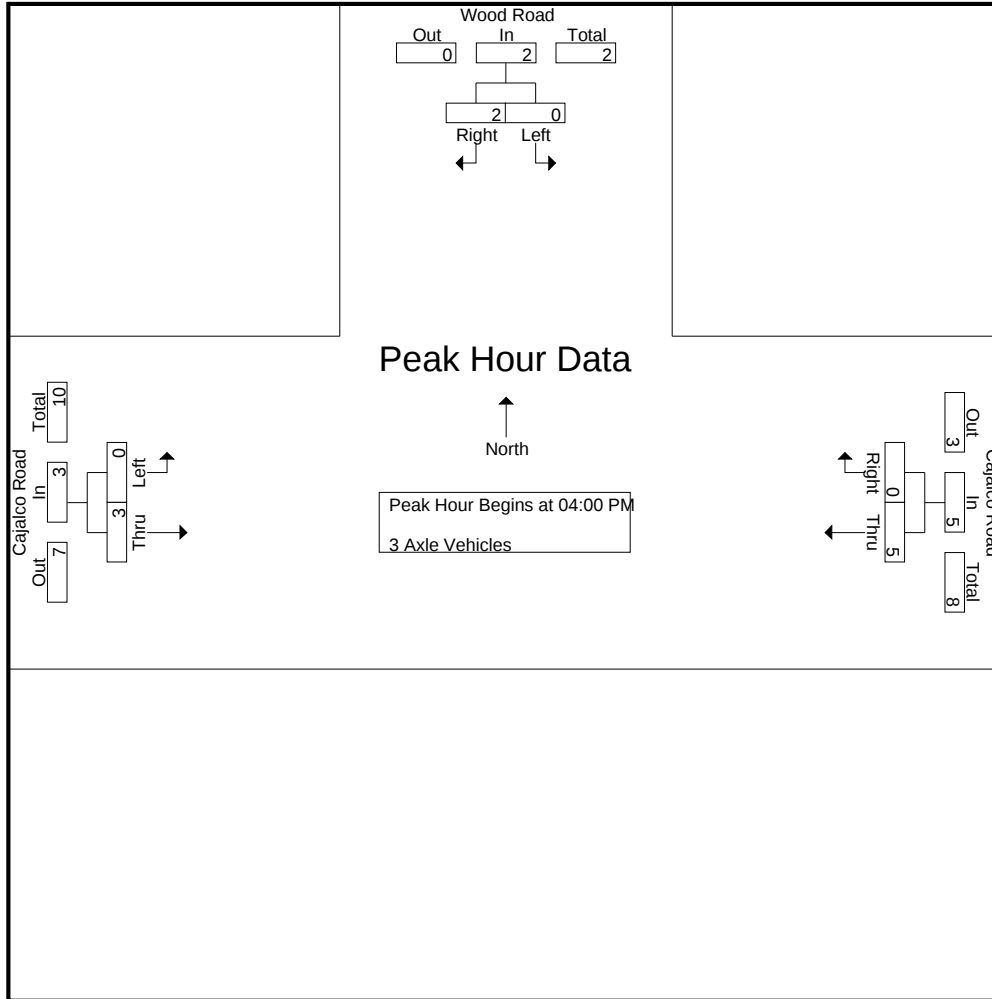
Groups Printed- 3 Axle Vehicles

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	0	0	1	0	1	0	0	0	1
04:15 PM	0	0	0	1	0	1	0	0	0	1
04:30 PM	0	0	0	1	0	1	0	2	2	3
04:45 PM	0	2	2	2	0	2	0	1	1	5
Total	0	2	2	5	0	5	0	3	3	10
05:00 PM	0	0	0	0	0	0	1	1	2	2
05:15 PM	0	0	0	0	0	0	0	2	2	2
05:30 PM	0	0	0	1	0	1	0	1	1	2
05:45 PM	0	0	0	1	0	1	0	1	1	2
Total	0	0	0	2	0	2	1	5	6	8
Grand Total	0	2	2	7	0	7	1	8	9	18
Apprch %	0	100		100	0		11.1	88.9		
Total %	0	11.1	11.1	38.9	0	38.9	5.6	44.4	50	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	0	0	1	0	1	0	0	0	1
04:15 PM	0	0	0	1	0	1	0	0	0	1
04:30 PM	0	0	0	1	0	1	0	2	2	3
04:45 PM	0	2	2	2	0	2	0	1	1	5
Total Volume	0	2	2	5	0	5	0	3	3	10
% App. Total	0	100		100	0		0	100		
PHF	.000	.250	.250	.625	.000	.625	.000	.375	.375	.500

County of Riverside
 N/S: Wood Road
 E/W: Cajalco Road
 Weather: Clear

File Name : 09_CRV_Wood_Caj PM
 Site Code : 04225436
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
 Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	0	0	1	0	1	0	0	0
+15 mins.	0	0	0	1	0	1	0	0	0
+30 mins.	0	0	0	1	0	1	0	2	2
+45 mins.	0	2	2	2	0	2	0	1	1
Total Volume	0	2	2	5	0	5	0	3	3
% App. Total	0	100		100	0		0	100	
PHF	.000	.250	.250	.625	.000	.625	.000	.375	.375

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

File Name : 09_CRV_Wood_Caj PM
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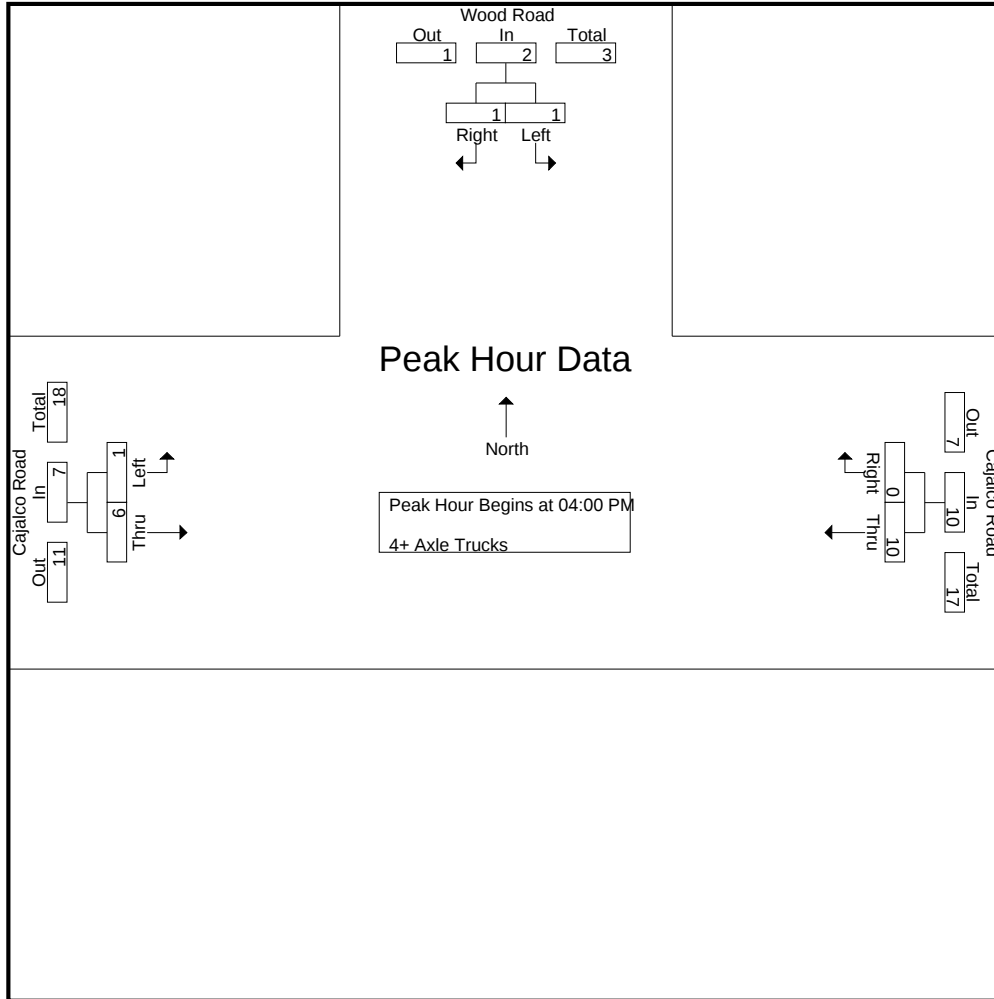
Groups Printed- 4+ Axle Trucks

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
04:00 PM	0	1	1	1	0	1	0	2	2	4
04:15 PM	0	0	0	4	0	4	1	2	3	7
04:30 PM	0	0	0	4	0	4	0	0	0	4
04:45 PM	1	0	1	1	0	1	0	2	2	4
Total	1	1	2	10	0	10	1	6	7	19
05:00 PM	0	0	0	2	0	2	1	1	2	4
05:15 PM	0	0	0	2	0	2	0	2	2	4
05:30 PM	0	0	0	1	0	1	0	4	4	5
05:45 PM	0	0	0	0	0	0	0	2	2	2
Total	0	0	0	5	0	5	1	9	10	15
Grand Total	1	1	2	15	0	15	2	15	17	34
Apprch %	50	50		100	0		11.8	88.2		
Total %	2.9	2.9	5.9	44.1	0	44.1	5.9	44.1	50	

	Wood Road Southbound			Cajalco Road Westbound			Cajalco Road Eastbound			
Start Time	Left	Right	App. Total	Thru	Right	App. Total	Left	Thru	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:00 PM										
04:00 PM	0	1	1	1	0	1	0	2	2	4
04:15 PM	0	0	0	4	0	4	1	2	3	7
04:30 PM	0	0	0	4	0	4	0	0	0	4
04:45 PM	1	0	1	1	0	1	0	2	2	4
Total Volume	1	1	2	10	0	10	1	6	7	19
% App. Total	50	50		100	0		14.3	85.7		
PHF	.250	.250	.500	.625	.000	.625	.250	.750	.583	.679

County of Riverside
N/S: Wood Road
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1

Peak Hour for Each Approach Begins at:

	04:00 PM			04:00 PM			04:00 PM		
+0 mins.	0	1	1	1	0	1	0	2	2
+15 mins.	0	0	0	4	0	4	1	2	3
+30 mins.	0	0	0	4	0	4	0	0	0
+45 mins.	1	0	1	1	0	1	0	2	2
Total Volume	1	1	2	10	0	10	1	6	7
% App. Total	50	50		100	0		14.3	85.7	
PHF	.250	.250	.500	.625	.000	.625	.250	.750	.583

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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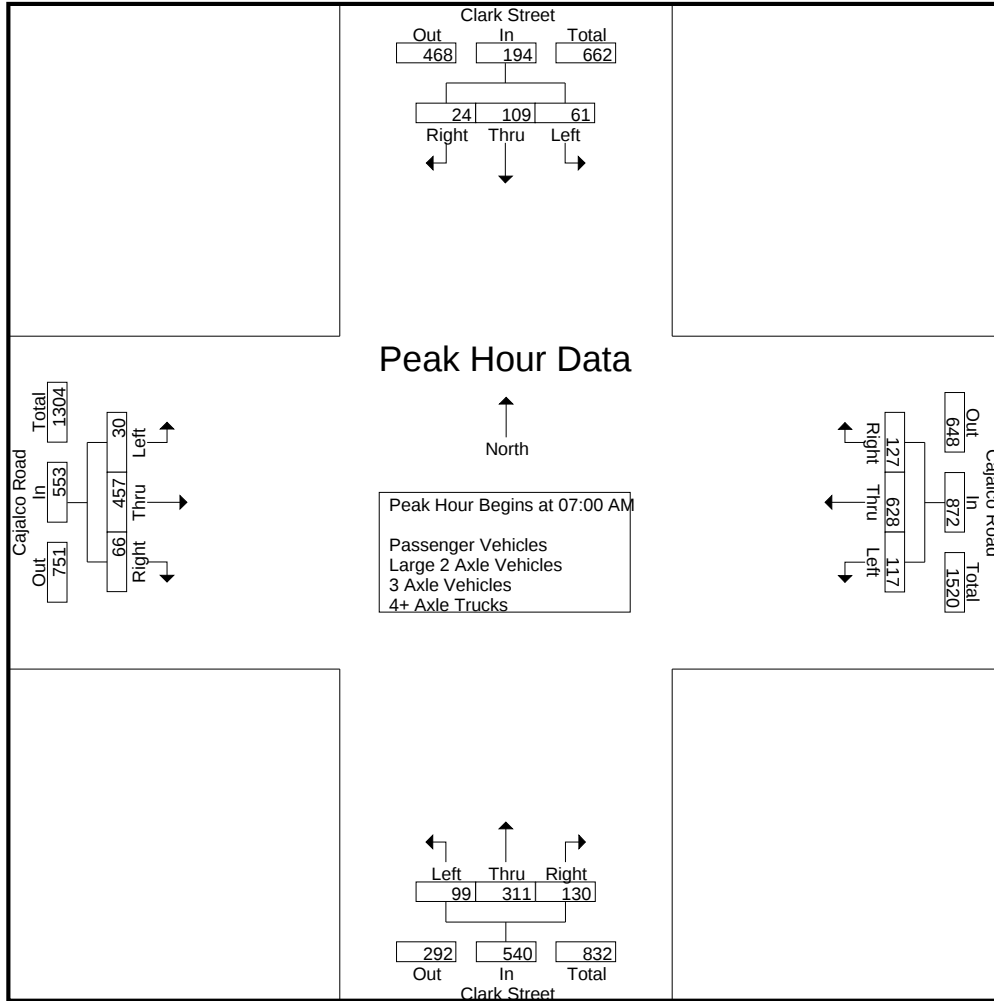
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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	10	11	7	28	16	204	18	238	22	63	30	115	8	125	13	146	527
07:15 AM	18	28	4	50	33	172	27	232	26	70	28	124	7	108	14	129	535
07:30 AM	18	37	6	61	29	123	43	195	21	82	37	140	10	130	21	161	557
07:45 AM	15	33	7	55	39	129	39	207	30	96	35	161	5	94	18	117	540
Total	61	109	24	194	117	628	127	872	99	311	130	540	30	457	66	553	2159
08:00 AM	25	28	11	64	35	186	20	241	25	38	26	89	5	102	21	128	522
08:15 AM	21	27	6	54	32	189	11	232	18	27	20	65	4	112	25	141	492
08:30 AM	18	17	5	40	17	157	15	189	23	29	16	68	4	111	22	137	434
08:45 AM	18	17	4	39	28	193	17	238	17	32	28	77	1	82	10	93	447
Total	82	89	26	197	112	725	63	900	83	126	90	299	14	407	78	499	1895
Grand Total	143	198	50	391	229	1353	190	1772	182	437	220	839	44	864	144	1052	4054
Apprch %	36.6	50.6	12.8		12.9	76.4	10.7		21.7	52.1	26.2		4.2	82.1	13.7		
Total %	3.5	4.9	1.2	9.6	5.6	33.4	4.7	43.7	4.5	10.8	5.4	20.7	1.1	21.3	3.6	25.9	
Passenger Vehicles	134	191	48	373	214	1261	184	1659	156	428	208	792	42	807	121	970	3794
% Passenger Vehicles	93.7	96.5	96	95.4	93.4	93.2	96.8	93.6	85.7	97.9	94.5	94.4	95.5	93.4	84	92.2	93.6
Large 2 Axle Vehicles	2	7	2	11	5	35	3	43	3	8	5	16	2	22	1	25	95
% Large 2 Axle Vehicles	1.4	3.5	4	2.8	2.2	2.6	1.6	2.4	1.6	1.8	2.3	1.9	4.5	2.5	0.7	2.4	2.3
3 Axle Vehicles	3	0	0	3	8	17	2	27	14	1	5	20	0	3	15	18	68
% 3 Axle Vehicles	2.1	0	0	0.8	3.5	1.3	1.1	1.5	7.7	0.2	2.3	2.4	0	0.3	10.4	1.7	1.7
4+ Axle Trucks	4	0	0	4	2	40	1	43	9	0	2	11	0	32	7	39	97
% 4+ Axle Trucks	2.8	0	0	1	0.9	3	0.5	2.4	4.9	0	0.9	1.3	0	3.7	4.9	3.7	2.4

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	10	11	7	28	16	204	18	238	22	63	30	115	8	125	13	146	527
07:15 AM	18	28	4	50	33	172	27	232	26	70	28	124	7	108	14	129	535
07:30 AM	18	37	6	61	29	123	43	195	21	82	37	140	10	130	21	161	557
07:45 AM	15	33	7	55	39	129	39	207	30	96	35	161	5	94	18	117	540
Total Volume	61	109	24	194	117	628	127	872	99	311	130	540	30	457	66	553	2159
% App. Total	31.4	56.2	12.4		13.4	72	14.6		18.3	57.6	24.1		5.4	82.6	11.9		
PHF	.847	.736	.857	.795	.750	.770	.738	.916	.825	.810	.878	.839	.750	.879	.786	.859	.969

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				08:00 AM				07:00 AM				07:00 AM			
+0 mins.	18	37	6	61	35	186	20	241	22	63	30	115	8	125	13	146
+15 mins.	15	33	7	55	32	189	11	232	26	70	28	124	7	108	14	129
+30 mins.	25	28	11	64	17	157	15	189	21	82	37	140	10	130	21	161
+45 mins.	21	27	6	54	28	193	17	238	30	96	35	161	5	94	18	117
Total Volume	79	125	30	234	112	725	63	900	99	311	130	540	30	457	66	553
% App. Total	33.8	53.4	12.8		12.4	80.6	7		18.3	57.6	24.1		5.4	82.6	11.9	
PHF	.790	.845	.682	.914	.800	.939	.788	.934	.825	.810	.878	.839	.750	.879	.786	.859

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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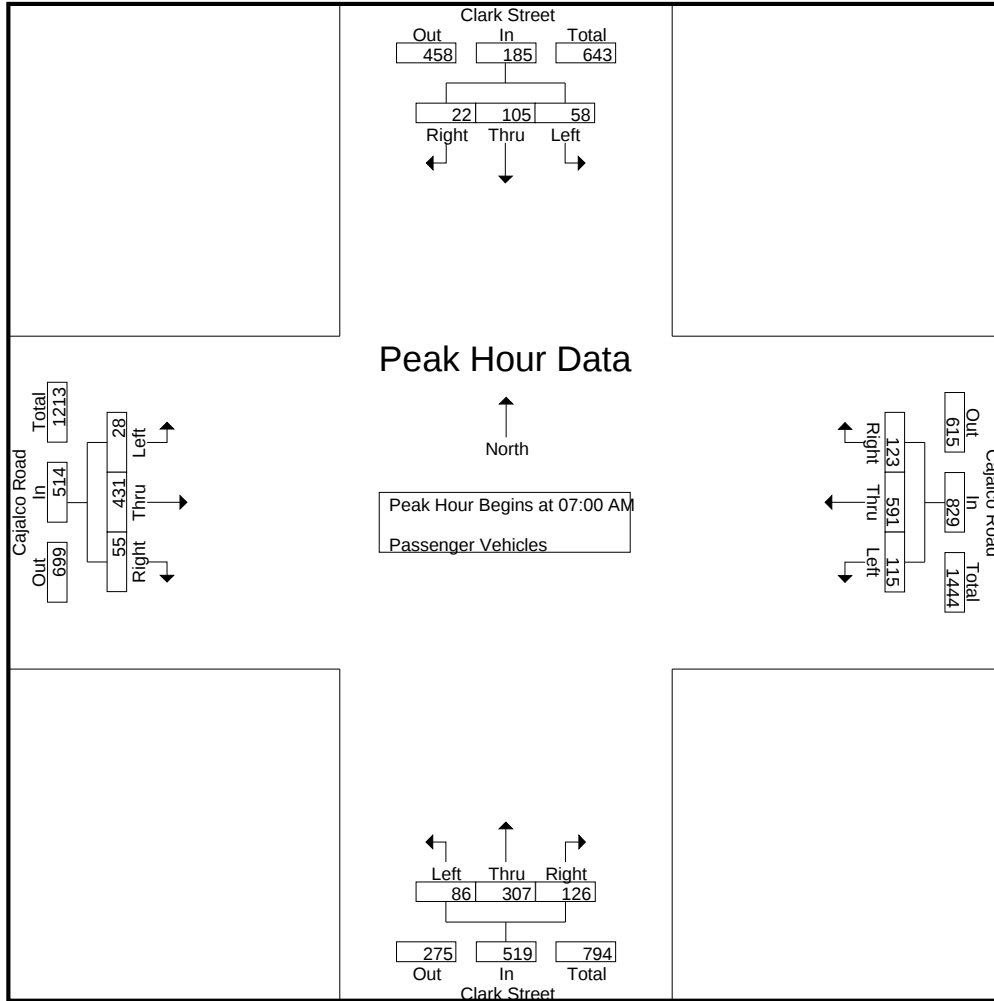
Groups Printed- Passenger Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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	10	10	6	26	16	192	16	224	19	61	30	110	6	120	11	137	497
07:15 AM	17	25	4	46	32	162	26	220	23	70	27	120	7	100	10	117	503
07:30 AM	16	37	5	58	29	116	43	188	19	81	35	135	10	123	18	151	532
07:45 AM	15	33	7	55	38	121	38	197	25	95	34	154	5	88	16	109	515
Total	58	105	22	185	115	591	123	829	86	307	126	519	28	431	55	514	2047
08:00 AM	23	27	11	61	31	180	19	230	21	36	25	82	5	95	19	119	492
08:15 AM	19	27	6	52	29	174	10	213	16	27	17	60	4	107	23	134	459
08:30 AM	17	16	5	38	13	144	15	172	20	26	14	60	4	100	19	123	393
08:45 AM	17	16	4	37	26	172	17	215	13	32	26	71	1	74	5	80	403
Total	76	86	26	188	99	670	61	830	70	121	82	273	14	376	66	456	1747
Grand Total	134	191	48	373	214	1261	184	1659	156	428	208	792	42	807	121	970	3794
Apprch %	35.9	51.2	12.9		12.9	76	11.1		19.7	54	26.3		4.3	83.2	12.5		
Total %	3.5	5	1.3	9.8	5.6	33.2	4.8	43.7	4.1	11.3	5.5	20.9	1.1	21.3	3.2	25.6	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	10	10	6	26	16	192	16	224	19	61	30	110	6	120	11	137	497
07:15 AM	17	25	4	46	32	162	26	220	23	70	27	120	7	100	10	117	503
07:30 AM	16	37	5	58	29	116	43	188	19	81	35	135	10	123	18	151	532
07:45 AM	15	33	7	55	38	121	38	197	25	95	34	154	5	88	16	109	515
Total Volume	58	105	22	185	115	591	123	829	86	307	126	519	28	431	55	514	2047
% App. Total	31.4	56.8	11.9		13.9	71.3	14.8		16.6	59.2	24.3		5.4	83.9	10.7		
PHF	.853	.709	.786	.797	.757	.770	.715	.925	.860	.808	.900	.843	.700	.876	.764	.851	.962

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

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Site Code : 04225436
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	10	10	6	26	16	192	16	224	19	61	30	110	6	120	11	137
+15 mins.	17	25	4	46	32	162	26	220	23	70	27	120	7	100	10	117
+30 mins.	16	37	5	58	29	116	43	188	19	81	35	135	10	123	18	151
+45 mins.	15	33	7	55	38	121	38	197	25	95	34	154	5	88	16	109
Total Volume	58	105	22	185	115	591	123	829	86	307	126	519	28	431	55	514
% App. Total	31.4	56.8	11.9		13.9	71.3	14.8		16.6	59.2	24.3		5.4	83.9	10.7	
PHF	.853	.709	.786	.797	.757	.770	.715	.925	.860	.808	.900	.843	.700	.876	.764	.851

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
Site Code : 04225436
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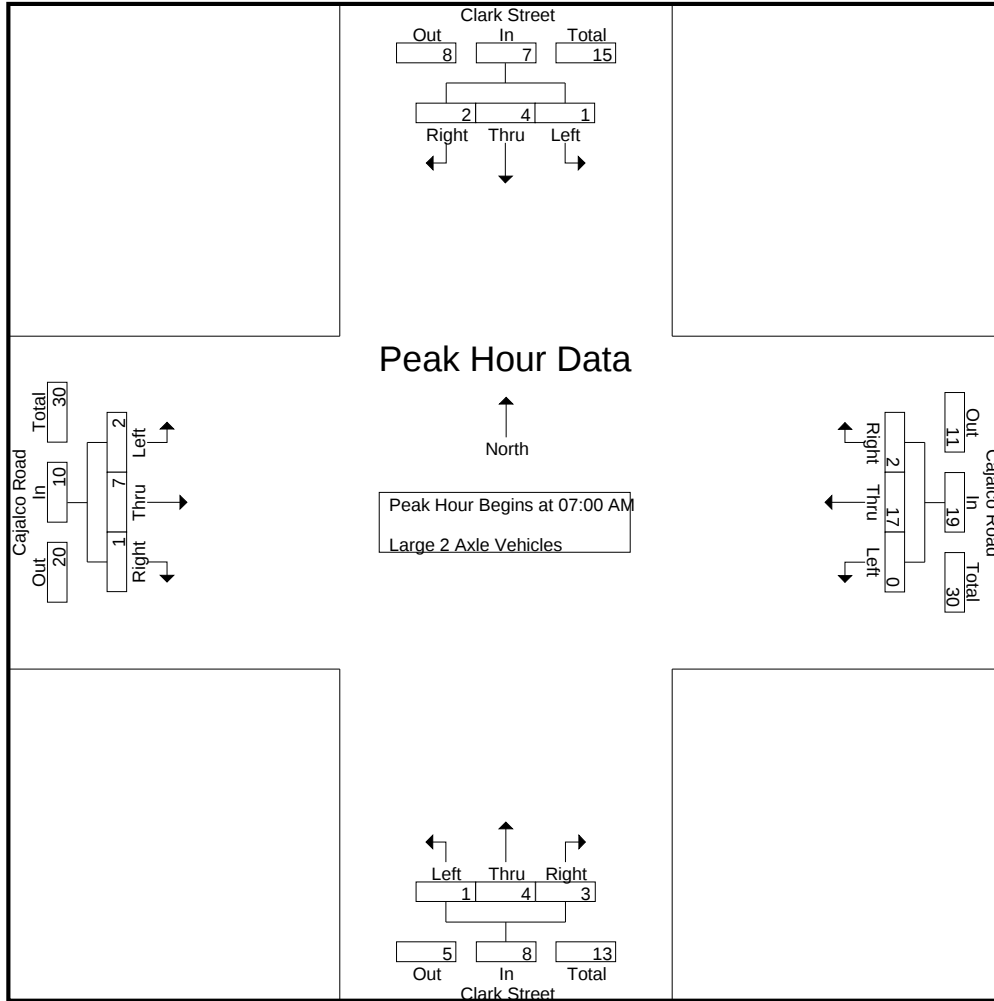
Groups Printed- Large 2 Axle Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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	1	2	0	4	1	5	0	2	0	2	2	1	0	3	12
07:15 AM	1	3	0	4	0	7	1	8	0	0	0	0	0	3	1	4	16
07:30 AM	0	0	1	1	0	4	0	4	0	1	2	3	0	3	0	3	11
07:45 AM	0	0	0	0	0	2	0	2	1	1	1	3	0	0	0	0	5
Total	1	4	2	7	0	17	2	19	1	4	3	8	2	7	1	10	44
08:00 AM	1	1	0	2	2	4	0	6	1	2	1	4	0	2	0	2	14
08:15 AM	0	0	0	0	1	5	1	7	0	0	0	0	0	2	0	2	9
08:30 AM	0	1	0	1	2	0	0	2	1	2	0	3	0	4	0	4	10
08:45 AM	0	1	0	1	0	9	0	9	0	0	1	1	0	7	0	7	18
Total	1	3	0	4	5	18	1	24	2	4	2	8	0	15	0	15	51
Grand Total	2	7	2	11	5	35	3	43	3	8	5	16	2	22	1	25	95
Apprch %	18.2	63.6	18.2		11.6	81.4	7		18.8	50	31.2		8	88	4		
Total %	2.1	7.4	2.1	11.6	5.3	36.8	3.2	45.3	3.2	8.4	5.3	16.8	2.1	23.2	1.1	26.3	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	1	1	2	0	4	1	5	0	2	0	2	2	1	0	3	12
07:15 AM	1	3	0	4	0	7	1	8	0	0	0	0	0	3	1	4	16
07:30 AM	0	0	1	1	0	4	0	4	0	1	2	3	0	3	0	3	11
07:45 AM	0	0	0	0	0	2	0	2	1	1	1	3	0	0	0	0	5
Total Volume	1	4	2	7	0	17	2	19	1	4	3	8	2	7	1	10	44
% App. Total	14.3	57.1	28.6		0	89.5	10.5		12.5	50	37.5		20	70	10		
PHF	.250	.333	.500	.438	.000	.607	.500	.594	.250	.500	.375	.667	.250	.583	.250	.625	.688

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	0	1	1	2	0	4	1	5	0	2	0	2	2	1	0	3
+15 mins.	1	3	0	4	0	7	1	8	0	0	0	0	0	3	1	4
+30 mins.	0	0	1	1	0	4	0	4	0	1	2	3	0	3	0	3
+45 mins.	0	0	0	0	0	2	0	2	1	1	1	3	0	0	0	0
Total Volume	1	4	2	7	0	17	2	19	1	4	3	8	2	7	1	10
% App. Total	14.3	57.1	28.6		0	89.5	10.5		12.5	50	37.5		20	70	10	
PHF	.250	.333	.500	.438	.000	.607	.500	.594	.250	.500	.375	.667	.250	.583	.250	.625

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
Site Code : 04225436
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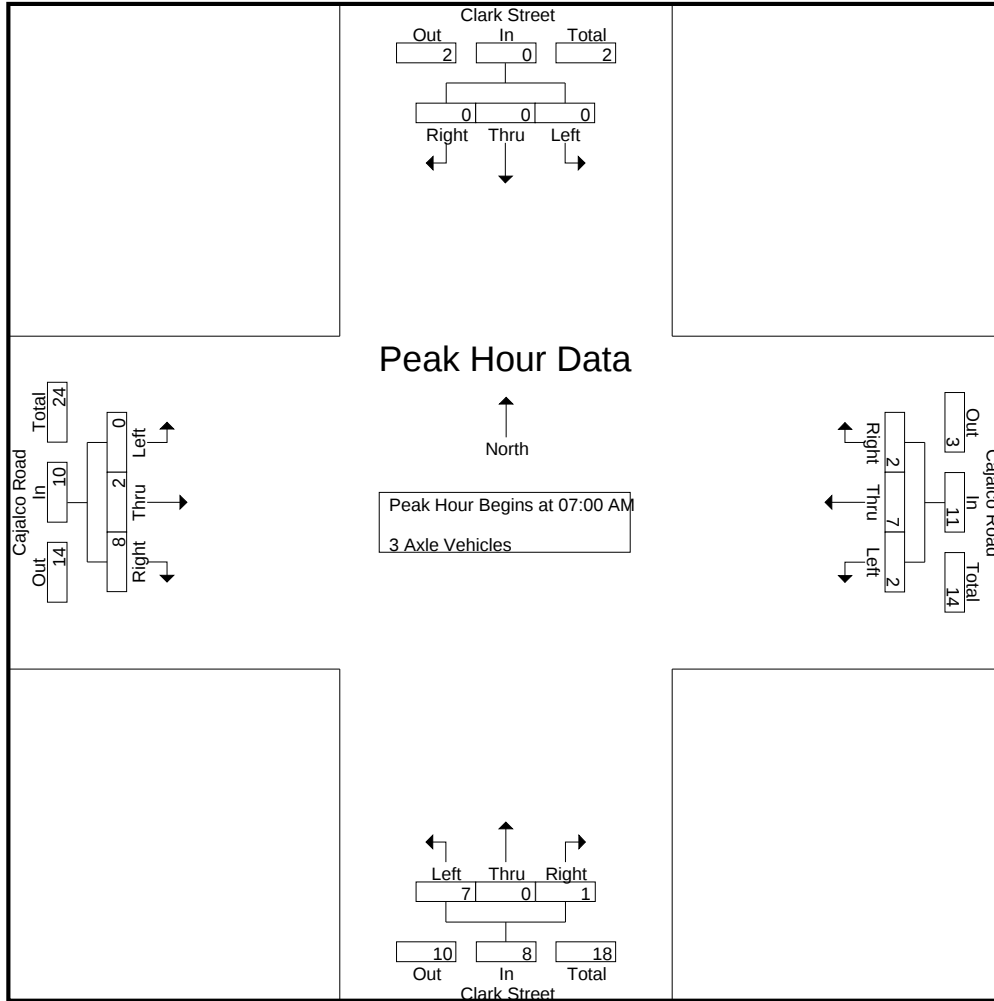
Groups Printed- 3 Axle Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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	0	0	0	0	3	1	4	1	0	0	1	0	1	2	3	8
07:15 AM	0	0	0	0	1	0	0	1	2	0	1	3	0	0	2	2	6
07:30 AM	0	0	0	0	0	1	0	1	1	0	0	1	0	0	2	2	4
07:45 AM	0	0	0	0	1	3	1	5	3	0	0	3	0	1	2	3	11
Total	0	0	0	0	2	7	2	11	7	0	1	8	0	2	8	10	29
08:00 AM	1	0	0	1	2	2	0	4	2	0	0	2	0	1	1	2	9
08:15 AM	1	0	0	1	1	4	0	5	2	0	2	4	0	0	1	1	11
08:30 AM	0	0	0	0	1	1	0	2	1	1	1	3	0	0	2	2	7
08:45 AM	1	0	0	1	2	3	0	5	2	0	1	3	0	0	3	3	12
Total	3	0	0	3	6	10	0	16	7	1	4	12	0	1	7	8	39
Grand Total	3	0	0	3	8	17	2	27	14	1	5	20	0	3	15	18	68
Apprch %	100	0	0		29.6	63	7.4		70	5	25		0	16.7	83.3		
Total %	4.4	0	0	4.4	11.8	25	2.9	39.7	20.6	1.5	7.4	29.4	0	4.4	22.1	26.5	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	0	3	1	4	1	0	0	1	0	1	2	3	8
07:15 AM	0	0	0	0	1	0	0	1	2	0	1	3	0	0	2	2	6
07:30 AM	0	0	0	0	0	1	0	1	1	0	0	1	0	0	2	2	4
07:45 AM	0	0	0	0	1	3	1	5	3	0	0	3	0	1	2	3	11
Total Volume	0	0	0	0	2	7	2	11	7	0	1	8	0	2	8	10	29
% App. Total	0	0	0		18.2	63.6	18.2		87.5	0	12.5		0	20	80		
PHF	.000	.000	.000	.000	.500	.583	.500	.550	.583	.000	.250	.667	.000	.500	1.00	.833	.659

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	0	0	0	0	0	3	1	4	1	0	0	1	0	1	2	3
+15 mins.	0	0	0	0	1	0	0	1	2	0	1	3	0	0	2	2
+30 mins.	0	0	0	0	0	1	0	1	1	0	0	1	0	0	2	2
+45 mins.	0	0	0	0	1	3	1	5	3	0	0	3	0	1	2	3
Total Volume	0	0	0	0	2	7	2	11	7	0	1	8	0	2	8	10
% App. Total	0	0	0	0	18.2	63.6	18.2		87.5	0	12.5		0	20	80	
PHF	.000	.000	.000	.000	.500	.583	.500	.550	.583	.000	.250	.667	.000	.500	1.000	.833

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
Site Code : 04225436
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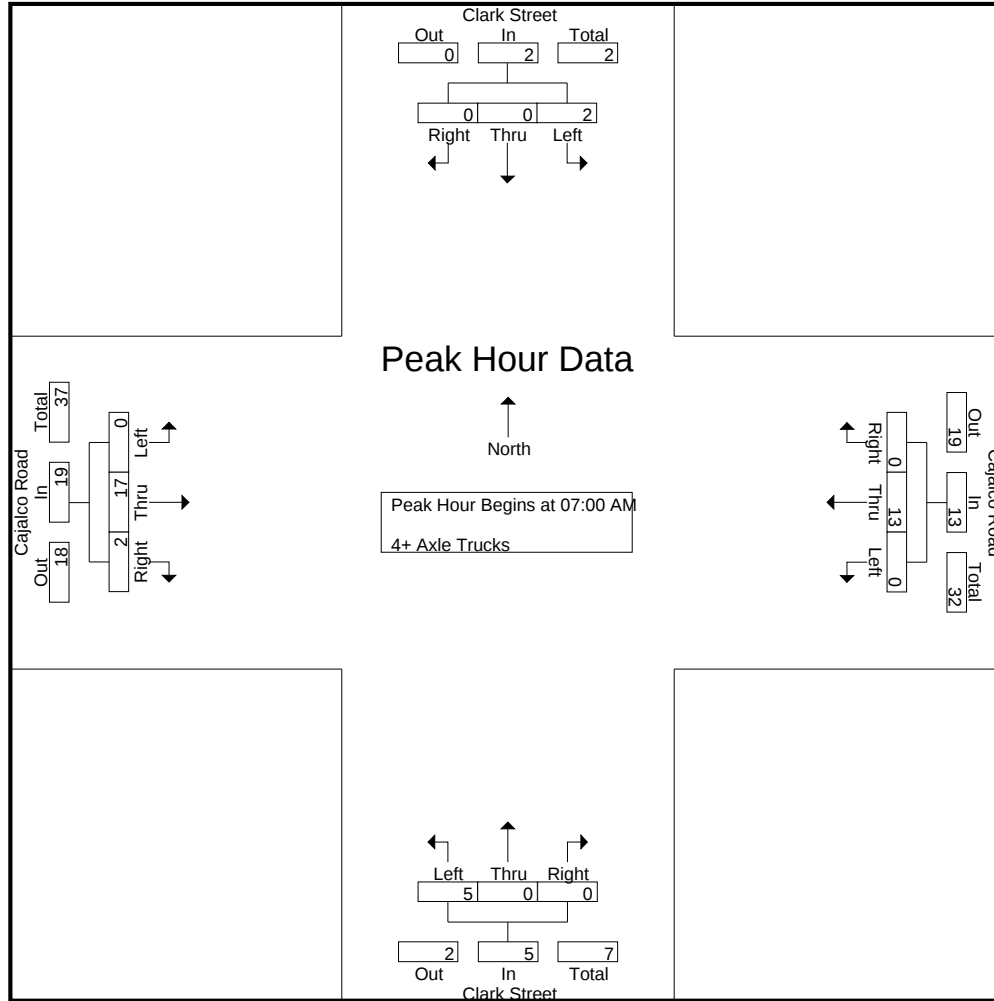
Groups Printed- 4+ Axle Trucks

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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	0	0	0	0	5	0	5	2	0	0	2	0	3	0	3	10
07:15 AM	0	0	0	0	0	3	0	3	1	0	0	1	0	5	1	6	10
07:30 AM	2	0	0	2	0	2	0	2	1	0	0	1	0	4	1	5	10
07:45 AM	0	0	0	0	0	3	0	3	1	0	0	1	0	5	0	5	9
Total	2	0	0	2	0	13	0	13	5	0	0	5	0	17	2	19	39
08:00 AM	0	0	0	0	0	0	1	1	1	0	0	1	0	4	1	5	7
08:15 AM	1	0	0	1	1	6	0	7	0	0	1	1	0	3	1	4	13
08:30 AM	1	0	0	1	1	12	0	13	1	0	1	2	0	7	1	8	24
08:45 AM	0	0	0	0	0	9	0	9	2	0	0	2	0	1	2	3	14
Total	2	0	0	2	2	27	1	30	4	0	2	6	0	15	5	20	58
Grand Total	4	0	0	4	2	40	1	43	9	0	2	11	0	32	7	39	97
Apprch %	100	0	0		4.7	93	2.3		81.8	0	18.2		0	82.1	17.9		
Total %	4.1	0	0	4.1	2.1	41.2	1	44.3	9.3	0	2.1	11.3	0	33	7.2	40.2	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	0	5	0	5	2	0	0	2	0	3	0	3	10
07:15 AM	0	0	0	0	0	3	0	3	1	0	0	1	0	5	1	6	10
07:30 AM	2	0	0	2	0	2	0	2	1	0	0	1	0	4	1	5	10
07:45 AM	0	0	0	0	0	3	0	3	1	0	0	1	0	5	0	5	9
Total Volume	2	0	0	2	0	13	0	13	5	0	0	5	0	17	2	19	39
% App. Total	100	0	0		0	100	0		100	0	0		0	89.5	10.5		
PHF	.250	.000	.000	.250	.000	.650	.000	.650	.625	.000	.000	.625	.000	.850	.500	.792	.975

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj AM
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	0	0	0	0	0	5	0	5	2	0	0	2	0	3	0	3
+15 mins.	0	0	0	0	0	3	0	3	1	0	0	1	0	5	1	6
+30 mins.	2	0	0	2	0	2	0	2	1	0	0	1	0	4	1	5
+45 mins.	0	0	0	0	0	3	0	3	1	0	0	1	0	5	0	5
Total Volume	2	0	0	2	0	13	0	13	5	0	0	5	0	17	2	19
% App. Total	100	0	0		0	100	0		100	0	0		0	89.5	10.5	
PHF	.250	.000	.000	.250	.000	.650	.000	.650	.625	.000	.000	.625	.000	.850	.500	.792

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
Site Code : 04225436
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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
04:00 PM	5	66	3	74	39	151	6	196	20	34	18	72	7	149	17	173	515
04:15 PM	19	48	5	72	26	154	17	197	25	44	19	88	0	167	10	177	534
04:30 PM	8	48	4	60	37	156	18	211	29	27	19	75	8	162	31	201	547
04:45 PM	8	39	11	58	34	134	11	179	18	33	12	63	8	159	26	193	493
Total	40	201	23	264	136	595	52	783	92	138	68	298	23	637	84	744	2089
05:00 PM	10	50	7	67	35	129	14	178	20	21	24	65	2	168	26	196	506
05:15 PM	7	45	4	56	47	160	16	223	11	31	7	49	2	152	19	173	501
05:30 PM	8	28	4	40	9	125	27	161	17	16	16	49	3	205	17	225	475
05:45 PM	5	36	5	46	19	139	29	187	19	27	18	64	6	162	25	193	490
Total	30	159	20	209	110	553	86	749	67	95	65	227	13	687	87	787	1972
Grand Total	70	360	43	473	246	1148	138	1532	159	233	133	525	36	1324	171	1531	4061
Apprch %	14.8	76.1	9.1		16.1	74.9	9		30.3	44.4	25.3		2.4	86.5	11.2		
Total %	1.7	8.9	1.1	11.6	6.1	28.3	3.4	37.7	3.9	5.7	3.3	12.9	0.9	32.6	4.2	37.7	
Passenger Vehicles	68	353	41	462	235	1115	135	1485	157	225	127	509	35	1290	168	1493	3949
% Passenger Vehicles	97.1	98.1	95.3	97.7	95.5	97.1	97.8	96.9	98.7	96.6	95.5	97	97.2	97.4	98.2	97.5	97.2
Large 2 Axle Vehicles	1	4	0	5	2	10	0	12	0	5	2	7	0	16	0	16	40
% Large 2 Axle Vehicles	1.4	1.1	0	1.1	0.8	0.9	0	0.8	0	2.1	1.5	1.3	0	1.2	0	1	1
3 Axle Vehicles	0	3	2	5	2	7	1	10	0	0	2	2	0	8	1	9	26
% 3 Axle Vehicles	0	0.8	4.7	1.1	0.8	0.6	0.7	0.7	0	0	1.5	0.4	0	0.6	0.6	0.6	0.6
4+ Axle Trucks	1	0	0	1	7	16	2	25	2	3	2	7	1	10	2	13	46
% 4+ Axle Trucks	1.4	0	0	0.2	2.8	1.4	1.4	1.6	1.3	1.3	1.5	1.3	2.8	0.8	1.2	0.8	1.1

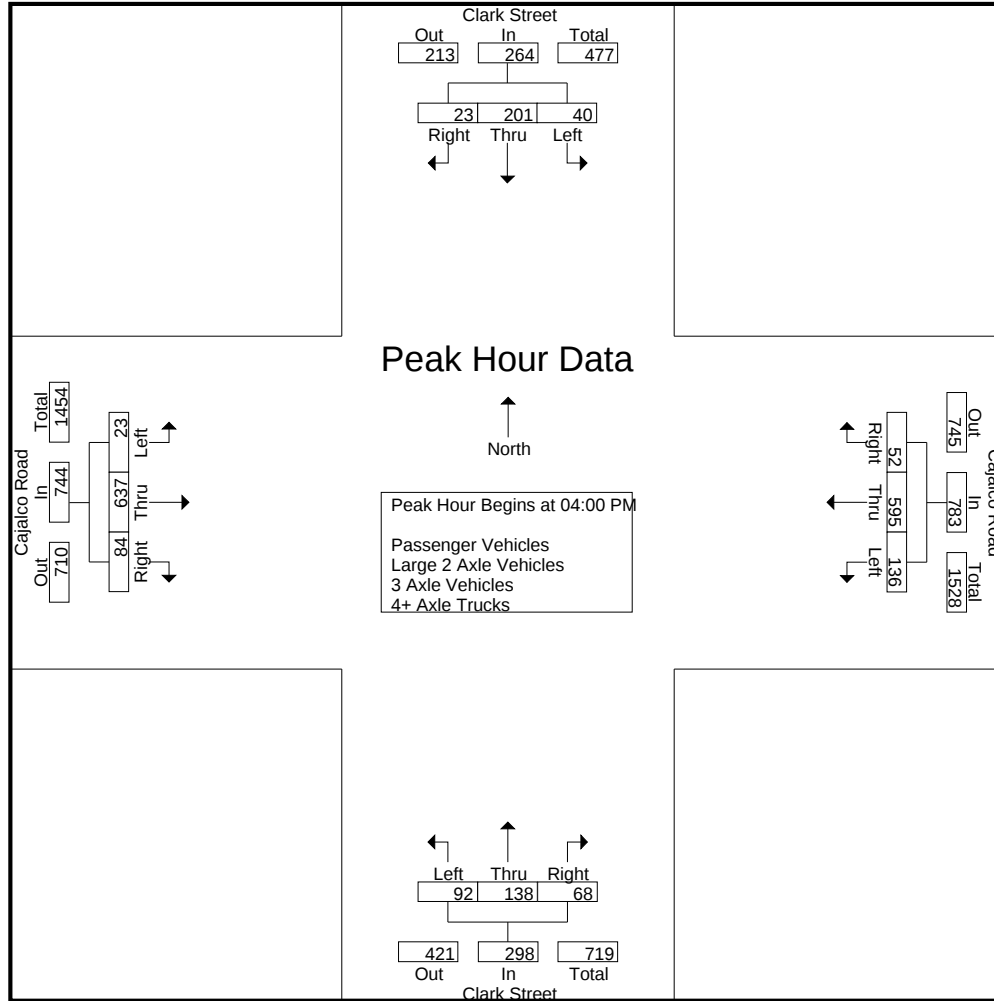
	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road Eastbound				
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
04:00 PM	5	66	3	74	39	151	6	196	20	34	18	72	7	149	17	173	515
04:15 PM	19	48	5	72	26	154	17	197	25	44	19	88	0	167	10	177	534
04:30 PM	8	48	4	60	37	156	18	211	29	27	19	75	8	162	31	201	547
04:45 PM	8	39	11	58	34	134	11	179	18	33	12	63	8	159	26	193	493
Total Volume	40	201	23	264	136	595	52	783	92	138	68	298	23	637	84	744	2089
% App. Total	15.2	76.1	8.7		17.4	76	6.6		30.9	46.3	22.8		3.1	85.6	11.3		
PHF	.526	.761	.523	.892	.872	.954	.722	.928	.793	.784	.895	.847	.719	.954	.677	.925	.955

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

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:30 PM				04:00 PM				04:45 PM			
+0 mins.	5	66	3	74	37	156	18	211	20	34	18	72	8	159	26	193
+15 mins.	19	48	5	72	34	134	11	179	25	44	19	88	2	168	26	196
+30 mins.	8	48	4	60	35	129	14	178	29	27	19	75	2	152	19	173
+45 mins.	8	39	11	58	47	160	16	223	18	33	12	63	3	205	17	225
Total Volume	40	201	23	264	153	579	59	791	92	138	68	298	15	684	88	787
% App. Total	15.2	76.1	8.7		19.3	73.2	7.5		30.9	46.3	22.8		1.9	86.9	11.2	
PHF	.526	.761	.523	.892	.814	.905	.819	.887	.793	.784	.895	.847	.469	.834	.846	.874

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County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
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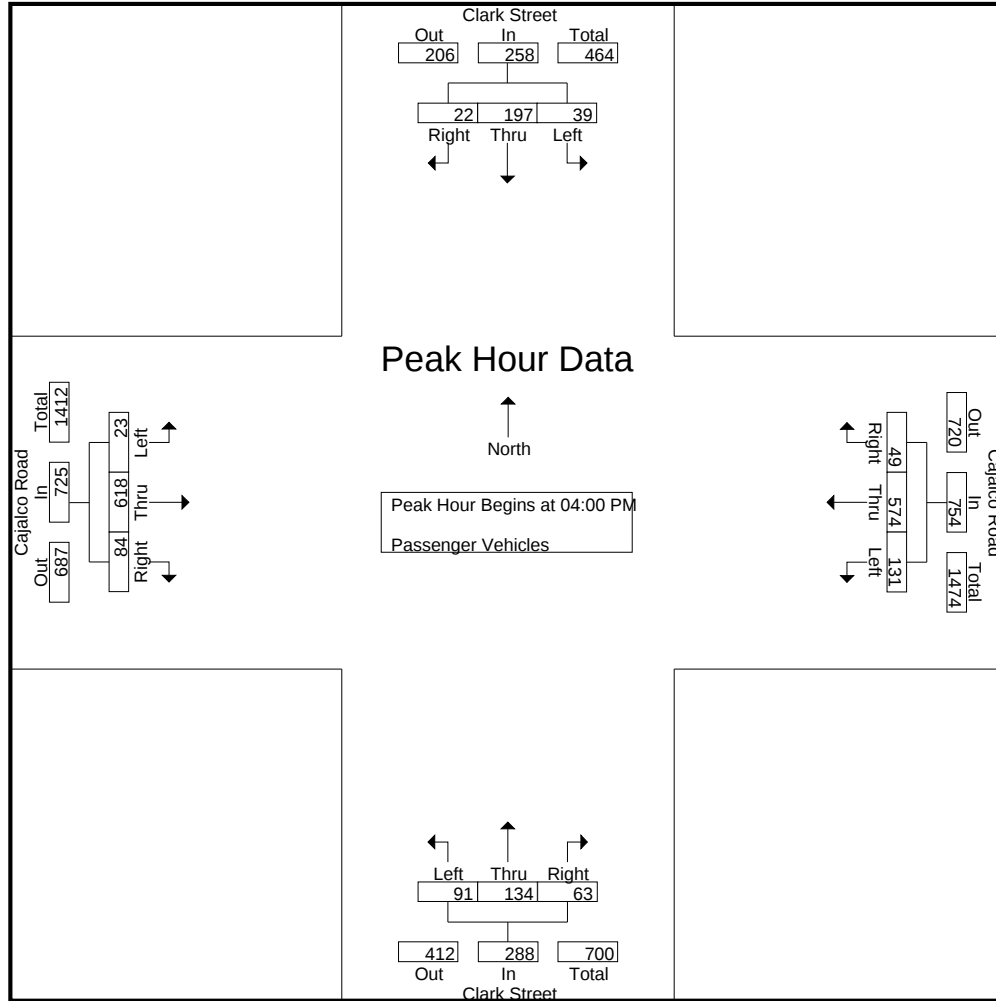
Groups Printed- Passenger Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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
04:00 PM	5	64	3	72	35	146	6	187	19	34	18	71	7	147	17	171	501
04:15 PM	18	46	5	69	26	149	16	191	25	44	16	85	0	162	10	172	517
04:30 PM	8	48	4	60	37	148	17	202	29	25	18	72	8	153	31	192	526
04:45 PM	8	39	10	57	33	131	10	174	18	31	11	60	8	156	26	190	481
Total	39	197	22	258	131	574	49	754	91	134	63	288	23	618	84	725	2025
05:00 PM	10	49	7	66	34	125	14	173	19	21	24	64	2	165	26	193	496
05:15 PM	7	43	4	54	44	158	16	218	11	29	7	47	2	149	18	169	488
05:30 PM	8	28	3	39	8	123	27	158	17	15	16	48	3	199	17	219	464
05:45 PM	4	36	5	45	18	135	29	182	19	26	17	62	5	159	23	187	476
Total	29	156	19	204	104	541	86	731	66	91	64	221	12	672	84	768	1924
Grand Total	68	353	41	462	235	1115	135	1485	157	225	127	509	35	1290	168	1493	3949
Apprch %	14.7	76.4	8.9		15.8	75.1	9.1		30.8	44.2	25		2.3	86.4	11.3		
Total %	1.7	8.9	1	11.7	6	28.2	3.4	37.6	4	5.7	3.2	12.9	0.9	32.7	4.3	37.8	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	5	64	3	72	35	146	6	187	19	34	18	71	7	147	17	171	501
04:15 PM	18	46	5	69	26	149	16	191	25	44	16	85	0	162	10	172	517
04:30 PM	8	48	4	60	37	148	17	202	29	25	18	72	8	153	31	192	526
04:45 PM	8	39	10	57	33	131	10	174	18	31	11	60	8	156	26	190	481
Total Volume	39	197	22	258	131	574	49	754	91	134	63	288	23	618	84	725	2025
% App. Total	15.1	76.4	8.5		17.4	76.1	6.5		31.6	46.5	21.9		3.2	85.2	11.6		
PHF	.542	.770	.550	.896	.885	.963	.721	.933	.784	.761	.875	.847	.719	.954	.677	.944	.962

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	5	64	3	72	35	146	6	187	19	34	18	71	7	147	17	171
+15 mins.	18	46	5	69	26	149	16	191	25	44	16	85	0	162	10	172
+30 mins.	8	48	4	60	37	148	17	202	29	25	18	72	8	153	31	192
+45 mins.	8	39	10	57	33	131	10	174	18	31	11	60	8	156	26	190
Total Volume	39	197	22	258	131	574	49	754	91	134	63	288	23	618	84	725
% App. Total	15.1	76.4	8.5		17.4	76.1	6.5		31.6	46.5	21.9		3.2	85.2	11.6	
PHF	.542	.770	.550	.896	.885	.963	.721	.933	.784	.761	.875	.847	.719	.954	.677	.944

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
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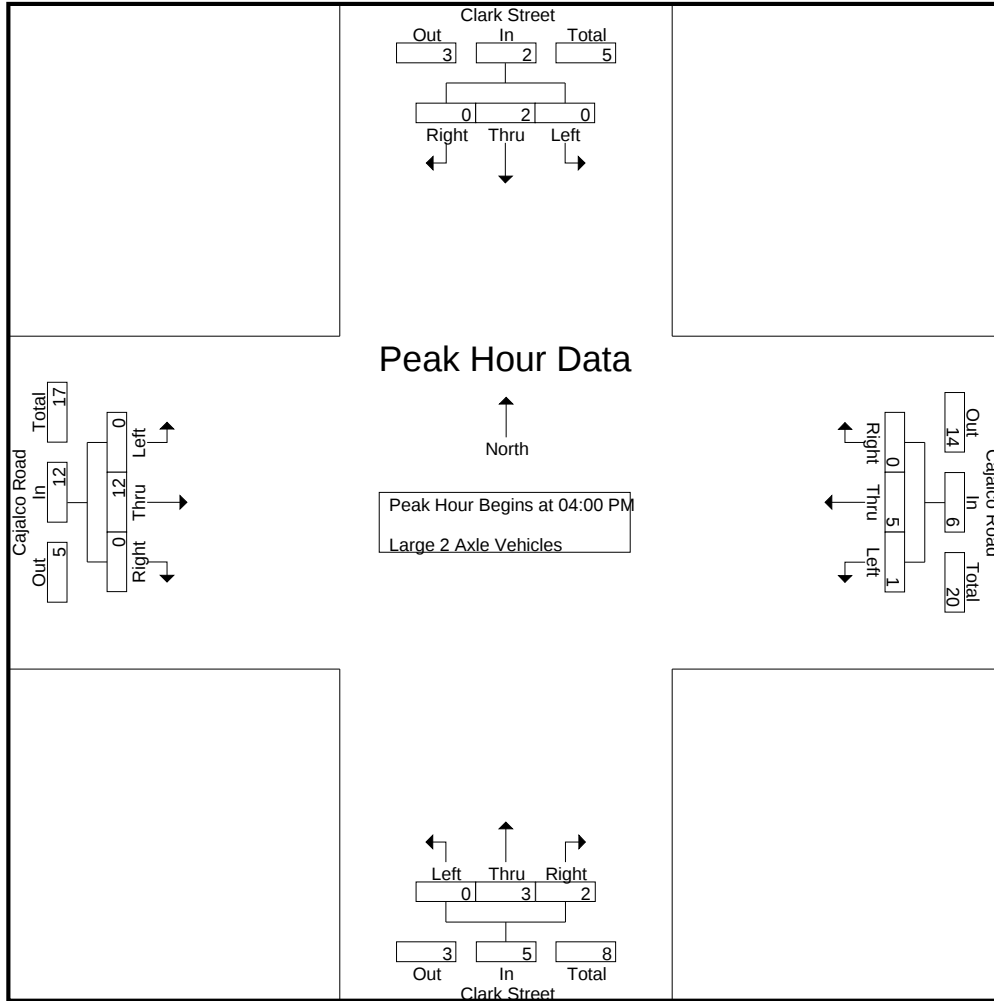
Groups Printed- Large 2 Axle Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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
04:00 PM	0	1	0	1	1	1	0	2	0	0	0	0	0	1	0	1	4
04:15 PM	0	1	0	1	0	3	0	3	0	0	1	1	0	4	0	4	9
04:30 PM	0	0	0	0	0	0	0	0	0	1	1	2	0	5	0	5	7
04:45 PM	0	0	0	0	0	1	0	1	0	2	0	2	0	2	0	2	5
Total	0	2	0	2	1	5	0	6	0	3	2	5	0	12	0	12	25
05:00 PM	0	1	0	1	0	2	0	2	0	0	0	0	0	1	0	1	4
05:15 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
05:30 PM	0	0	0	0	1	0	0	1	0	0	0	0	0	2	0	2	3
05:45 PM	1	0	0	1	0	3	0	3	0	1	0	1	0	1	0	1	6
Total	1	2	0	3	1	5	0	6	0	2	0	2	0	4	0	4	15
Grand Total	1	4	0	5	2	10	0	12	0	5	2	7	0	16	0	16	40
Apprch %	20	80	0		16.7	83.3	0		0	71.4	28.6		0	100	0		
Total %	2.5	10	0	12.5	5	25	0	30	0	12.5	5	17.5	0	40	0	40	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	1	0	1	1	1	0	2	0	0	0	0	0	1	0	1	4
04:15 PM	0	1	0	1	0	3	0	3	0	0	1	1	0	4	0	4	9
04:30 PM	0	0	0	0	0	0	0	0	0	1	1	2	0	5	0	5	7
04:45 PM	0	0	0	0	0	1	0	1	0	2	0	2	0	2	0	2	5
Total Volume	0	2	0	2	1	5	0	6	0	3	2	5	0	12	0	12	25
% App. Total	0	100	0		16.7	83.3	0		0	60	40		0	100	0		
PHF	.000	.500	.000	.500	.250	.417	.000	.500	.000	.375	.500	.625	.000	.600	.000	.600	.694

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	1	0	1	1	1	0	2	0	0	0	0	0	1	0	1
+15 mins.	0	1	0	1	0	3	0	3	0	0	1	1	0	4	0	4
+30 mins.	0	0	0	0	0	0	0	0	0	1	1	2	0	5	0	5
+45 mins.	0	0	0	0	0	1	0	1	0	2	0	2	0	2	0	2
Total Volume	0	2	0	2	1	5	0	6	0	3	2	5	0	12	0	12
% App. Total	0	100	0		16.7	83.3	0		0	60	40		0	100	0	
PHF	.000	.500	.000	.500	.250	.417	.000	.500	.000	.375	.500	.625	.000	.600	.000	.600

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
Site Code : 04225436
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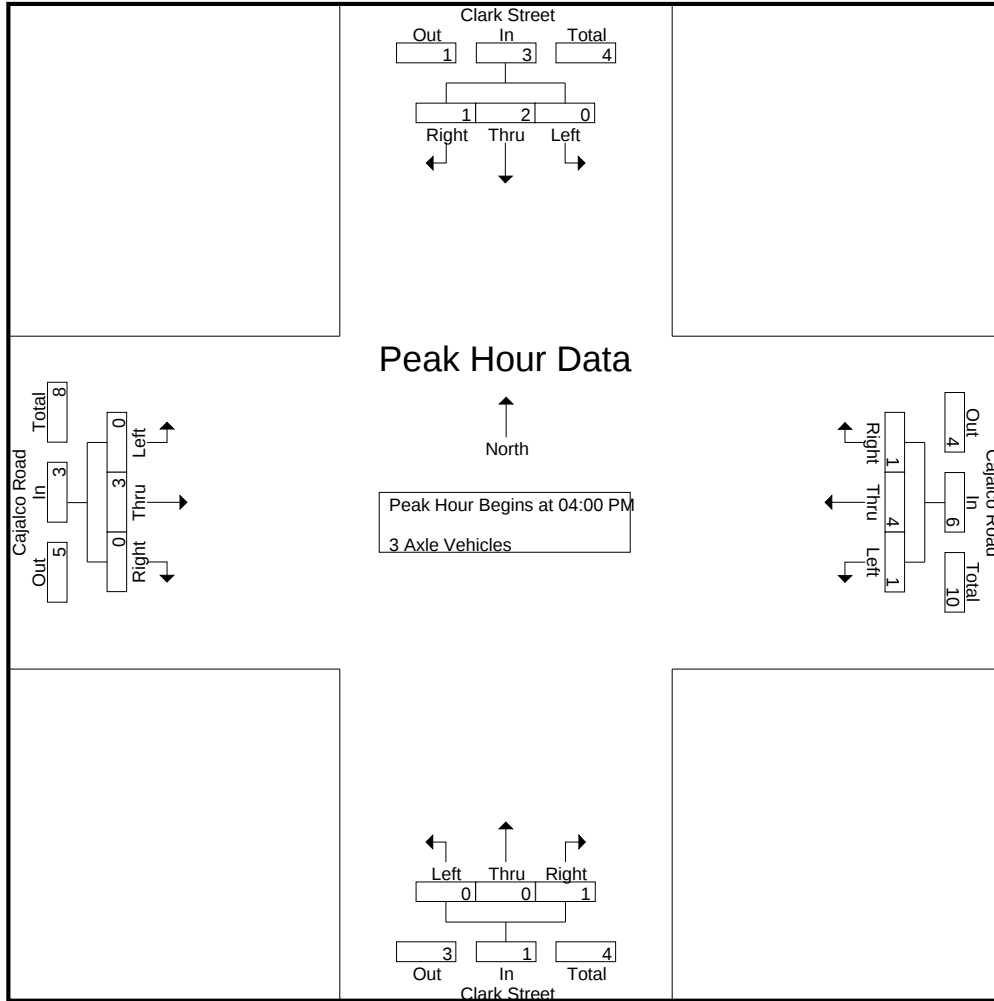
Groups Printed- 3 Axle Vehicles

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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
04:00 PM	0	1	0	1	1	2	0	3	0	0	0	0	0	1	0	1	5
04:15 PM	0	1	0	1	0	0	1	1	0	0	1	1	0	0	0	0	3
04:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
04:45 PM	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	2
Total	0	2	1	3	1	4	1	6	0	0	1	1	0	3	0	3	13
05:00 PM	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	2
05:15 PM	0	1	0	1	0	1	0	1	0	0	0	0	0	2	0	2	4
05:30 PM	0	0	1	1	0	1	0	1	0	0	0	0	0	1	0	1	3
05:45 PM	0	0	0	0	0	1	0	1	0	0	1	1	0	1	1	2	4
Total	0	1	1	2	1	3	0	4	0	0	1	1	0	5	1	6	13
Grand Total	0	3	2	5	2	7	1	10	0	0	2	2	0	8	1	9	26
Apprch %	0	60	40		20	70	10		0	0	100		0	88.9	11.1		
Total %	0	11.5	7.7	19.2	7.7	26.9	3.8	38.5	0	0	7.7	7.7	0	30.8	3.8	34.6	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	1	0	1	1	2	0	3	0	0	0	0	0	1	0	1	5
04:15 PM	0	1	0	1	0	0	1	1	0	0	1	1	0	0	0	0	3
04:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2	3
04:45 PM	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	2
Total Volume	0	2	1	3	1	4	1	6	0	0	1	1	0	3	0	3	13
% App. Total	0	66.7	33.3		16.7	66.7	16.7		0	0	100		0	100	0		
PHF	.000	.500	.250	.750	.250	.500	.250	.500	.000	.000	.250	.250	.000	.375	.000	.375	.650

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	1	0	1	1	2	0	3	0	0	0	0	0	1	0	1
+15 mins.	0	1	0	1	0	0	1	1	0	0	1	1	0	0	0	0
+30 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	2	0	2
+45 mins.	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0
Total Volume	0	2	1	3	1	4	1	6	0	0	1	1	0	3	0	3
% App. Total	0	66.7	33.3		16.7	66.7	16.7		0	0	100		0	100	0	
PHF	.000	.500	.250	.750	.250	.500	.250	.500	.000	.000	.250	.250	.000	.375	.000	.375

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County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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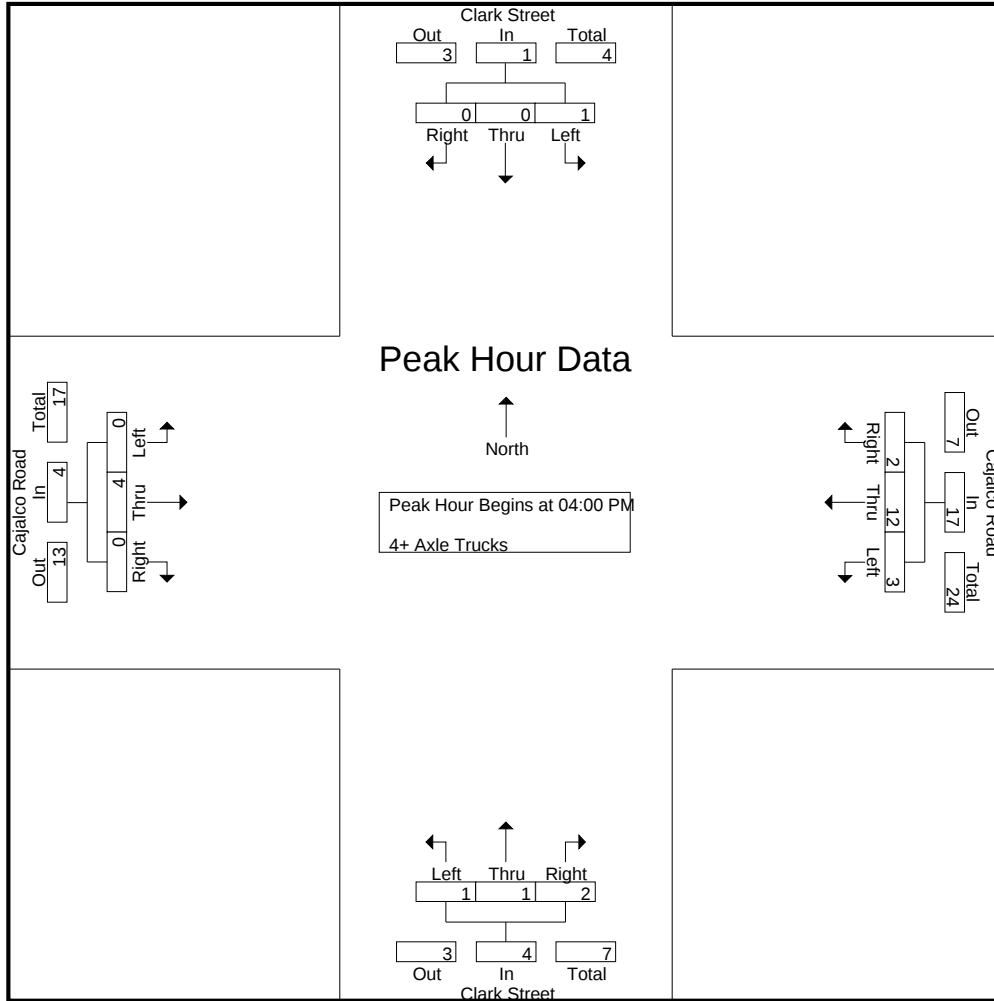
Groups Printed- 4+ Axle Trucks

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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
04:00 PM	0	0	0	0	2	2	0	4	1	0	0	1	0	0	0	0	5
04:15 PM	1	0	0	1	0	2	0	2	0	0	1	1	0	1	0	1	5
04:30 PM	0	0	0	0	0	7	1	8	0	1	0	1	0	2	0	2	11
04:45 PM	0	0	0	0	1	1	1	3	0	0	1	1	0	1	0	1	5
Total	1	0	0	1	3	12	2	17	1	1	2	4	0	4	0	4	26
05:00 PM	0	0	0	0	0	2	0	2	1	0	0	1	0	1	0	1	4
05:15 PM	0	0	0	0	3	1	0	4	0	1	0	1	0	1	1	2	7
05:30 PM	0	0	0	0	0	1	0	1	0	1	0	1	0	3	0	3	5
05:45 PM	0	0	0	0	1	0	0	1	0	0	0	0	1	1	1	3	4
Total	0	0	0	0	4	4	0	8	1	2	0	3	1	6	2	9	20
Grand Total	1	0	0	1	7	16	2	25	2	3	2	7	1	10	2	13	46
Apprch %	100	0	0		28	64	8		28.6	42.9	28.6		7.7	76.9	15.4		
Total %	2.2	0	0	2.2	15.2	34.8	4.3	54.3	4.3	6.5	4.3	15.2	2.2	21.7	4.3	28.3	

	Clark Street Southbound				Cajalco Road Westbound				Clark Street Northbound				Cajalco Road 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 04:00 PM to 04:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	0	0	0	2	2	0	4	1	0	0	1	0	0	0	0	5
04:15 PM	1	0	0	1	0	2	0	2	0	0	1	1	0	1	0	1	5
04:30 PM	0	0	0	0	0	7	1	8	0	1	0	1	0	2	0	2	11
04:45 PM	0	0	0	0	1	1	1	3	0	0	1	1	0	1	0	1	5
Total Volume	1	0	0	1	3	12	2	17	1	1	2	4	0	4	0	4	26
% App. Total	100	0	0		17.6	70.6	11.8		25	25	50		0	100	0		
PHF	.250	.000	.000	.250	.375	.429	.500	.531	.250	.250	.500	1.00	.000	.500	.000	.500	.591

County of Riverside
N/S: Clark Street
E/W: Cajalco Road
Weather: Clear

File Name : 10_CRV_Clark_Caj PM
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Peak Hour Analysis From 04:00 PM to 04:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:00 PM				04:00 PM				04:00 PM				04:00 PM			
+0 mins.	0	0	0	0	2	2	0	4	1	0	0	1	0	0	0	0
+15 mins.	1	0	0	1	0	2	0	2	0	0	1	1	0	1	0	1
+30 mins.	0	0	0	0	0	7	1	8	0	1	0	1	0	2	0	2
+45 mins.	0	0	0	0	1	1	1	3	0	0	1	1	0	1	0	1
Total Volume	1	0	0	1	3	12	2	17	1	1	2	4	0	4	0	4
% App. Total	100	0	0		17.6	70.6	11.8		25	25	50		0	100	0	
PHF	.250	.000	.000	.250	.375	.429	.500	.531	.250	.250	.500	1.000	.000	.500	.000	.500

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

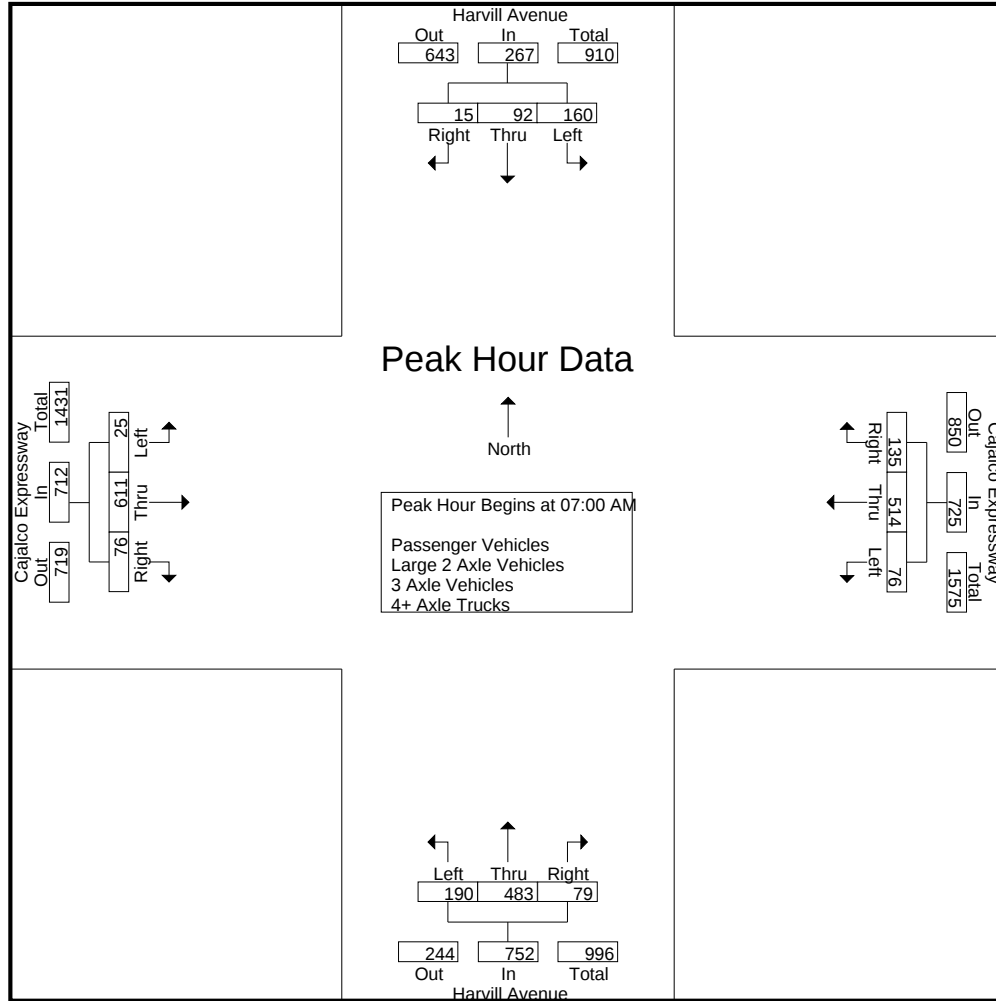
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	38	17	3	58	18	135	31	184	76	128	22	226	8	133	14	155	623
07:15 AM	42	11	3	56	25	141	27	193	42	150	23	215	6	150	17	173	637
07:30 AM	39	33	1	73	11	118	33	162	38	94	17	149	6	173	17	196	580
07:45 AM	41	31	8	80	22	120	44	186	34	111	17	162	5	155	28	188	616
Total	160	92	15	267	76	514	135	725	190	483	79	752	25	611	76	712	2456
08:00 AM	31	15	3	49	22	150	49	221	27	34	16	77	4	130	18	152	499
08:15 AM	48	24	5	77	13	177	45	235	30	33	13	76	7	149	22	178	566
08:30 AM	37	26	3	66	21	165	34	220	33	39	19	91	6	150	17	173	550
08:45 AM	34	18	7	59	23	170	25	218	32	20	13	65	6	136	19	161	503
Total	150	83	18	251	79	662	153	894	122	126	61	309	23	565	76	664	2118
Grand Total	310	175	33	518	155	1176	288	1619	312	609	140	1061	48	1176	152	1376	4574
Apprch %	59.8	33.8	6.4		9.6	72.6	17.8		29.4	57.4	13.2		3.5	85.5	11		
Total %	6.8	3.8	0.7	11.3	3.4	25.7	6.3	35.4	6.8	13.3	3.1	23.2	1	25.7	3.3	30.1	
Passenger Vehicles	297	160	14	471	117	1087	270	1474	298	591	114	1003	28	1099	142	1269	4217
% Passenger Vehicles	95.8	91.4	42.4	90.9	75.5	92.4	93.8	91	95.5	97	81.4	94.5	58.3	93.5	93.4	92.2	92.2
Large 2 Axle Vehicles	6	7	2	15	5	33	7	45	6	8	2	16	3	21	3	27	103
% Large 2 Axle Vehicles	1.9	4	6.1	2.9	3.2	2.8	2.4	2.8	1.9	1.3	1.4	1.5	6.2	1.8	2	2	2.3
3 Axle Vehicles	1	1	1	3	8	20	1	29	3	2	6	11	3	14	2	19	62
% 3 Axle Vehicles	0.3	0.6	3	0.6	5.2	1.7	0.3	1.8	1	0.3	4.3	1	6.2	1.2	1.3	1.4	1.4
4+ Axle Trucks	6	7	16	29	25	36	10	71	5	8	18	31	14	42	5	61	192
% 4+ Axle Trucks	1.9	4	48.5	5.6	16.1	3.1	3.5	4.4	1.6	1.3	12.9	2.9	29.2	3.6	3.3	4.4	4.2

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 08:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	38	17	3	58	18	135	31	184	76	128	22	226	8	133	14	155	623
07:15 AM	42	11	3	56	25	141	27	193	42	150	23	215	6	150	17	173	637
07:30 AM	39	33	1	73	11	118	33	162	38	94	17	149	6	173	17	196	580
07:45 AM	41	31	8	80	22	120	44	186	34	111	17	162	5	155	28	188	616
Total Volume	160	92	15	267	76	514	135	725	190	483	79	752	25	611	76	712	2456
% App. Total	59.9	34.5	5.6		10.5	70.9	18.6		25.3	64.2	10.5		3.5	85.8	10.7		
PHF	.952	.697	.469	.834	.760	.911	.767	.939	.625	.805	.859	.832	.781	.883	.679	.908	.964

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:30 AM				08:00 AM				07:00 AM				07:30 AM			
+0 mins.	39	33	1	73	22	150	49	221	76	128	22	226	6	173	17	196
+15 mins.	41	31	8	80	13	177	45	235	42	150	23	215	5	155	28	188
+30 mins.	31	15	3	49	21	165	34	220	38	94	17	149	4	130	18	152
+45 mins.	48	24	5	77	23	170	25	218	34	111	17	162	7	149	22	178
Total Volume	159	103	17	279	79	662	153	894	190	483	79	752	22	607	85	714
% App. Total	57	36.9	6.1		8.8	74	17.1		25.3	64.2	10.5		3.1	85	11.9	
PHF	.828	.780	.531	.872	.859	.935	.781	.951	.625	.805	.859	.832	.786	.877	.759	.911

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
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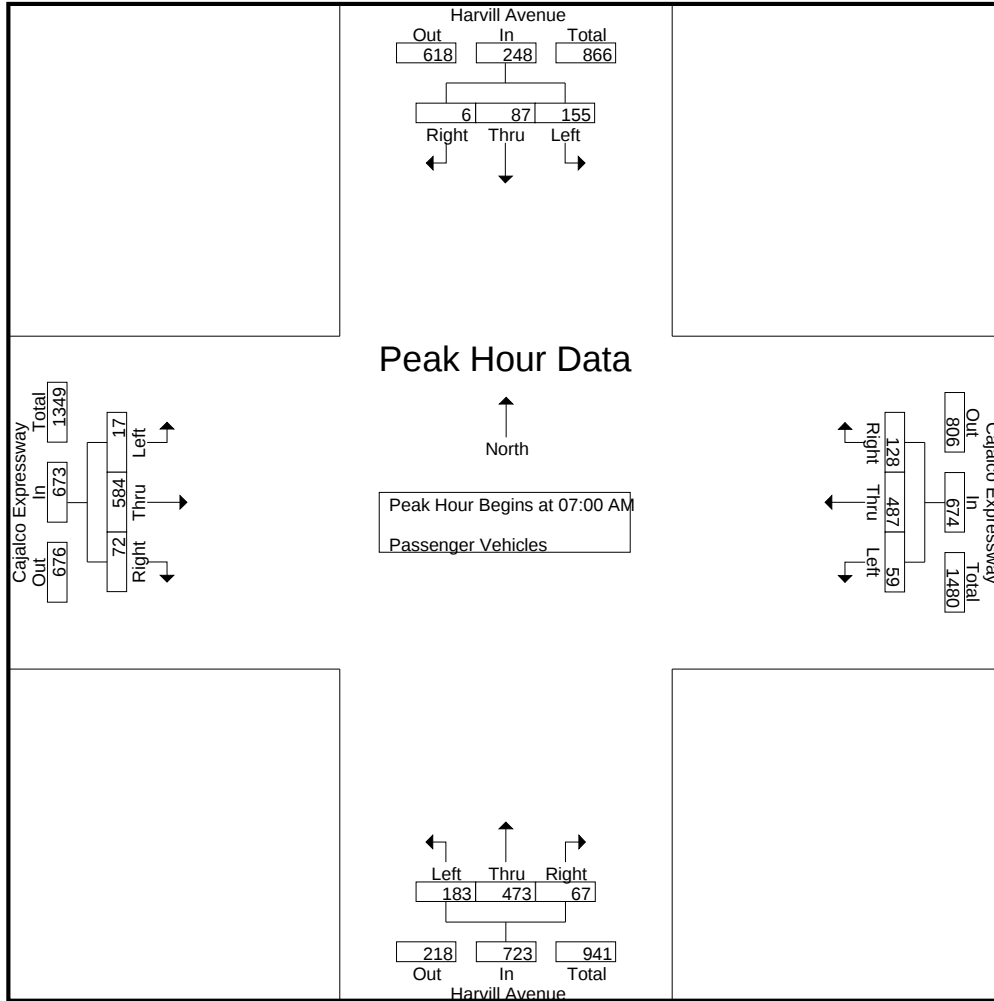
Groups Printed- Passenger Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	37	16	1	54	12	131	28	171	74	125	21	220	6	128	12	146	591
07:15 AM	39	11	2	52	20	133	27	180	38	148	18	204	6	141	16	163	599
07:30 AM	38	30	0	68	10	113	32	155	37	92	16	145	2	162	17	181	549
07:45 AM	41	30	3	74	17	110	41	168	34	108	12	154	3	153	27	183	579
Total	155	87	6	248	59	487	128	674	183	473	67	723	17	584	72	673	2318
08:00 AM	30	13	3	46	17	140	46	203	26	31	14	71	1	121	18	140	460
08:15 AM	47	21	2	70	9	158	42	209	29	32	9	70	5	135	20	160	509
08:30 AM	34	23	1	58	17	147	31	195	32	37	14	83	3	134	16	153	489
08:45 AM	31	16	2	49	15	155	23	193	28	18	10	56	2	125	16	143	441
Total	142	73	8	223	58	600	142	800	115	118	47	280	11	515	70	596	1899
Grand Total	297	160	14	471	117	1087	270	1474	298	591	114	1003	28	1099	142	1269	4217
Apprch %	63.1	34	3		7.9	73.7	18.3		29.7	58.9	11.4		2.2	86.6	11.2		
Total %	7	3.8	0.3	11.2	2.8	25.8	6.4	35	7.1	14	2.7	23.8	0.7	26.1	3.4	30.1	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	37	16	1	54	12	131	28	171	74	125	21	220	6	128	12	146	591
07:15 AM	39	11	2	52	20	133	27	180	38	148	18	204	6	141	16	163	599
07:30 AM	38	30	0	68	10	113	32	155	37	92	16	145	2	162	17	181	549
07:45 AM	41	30	3	74	17	110	41	168	34	108	12	154	3	153	27	183	579
Total Volume	155	87	6	248	59	487	128	674	183	473	67	723	17	584	72	673	2318
% App. Total	62.5	35.1	2.4		8.8	72.3	19		25.3	65.4	9.3		2.5	86.8	10.7		
PHF	.945	.725	.500	.838	.738	.915	.780	.936	.618	.799	.798	.822	.708	.901	.667	.919	.967

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	37	16	1	54	12	131	28	171	74	125	21	220	6	128	12	146
+15 mins.	39	11	2	52	20	133	27	180	38	148	18	204	6	141	16	163
+30 mins.	38	30	0	68	10	113	32	155	37	92	16	145	2	162	17	181
+45 mins.	41	30	3	74	17	110	41	168	34	108	12	154	3	153	27	183
Total Volume	155	87	6	248	59	487	128	674	183	473	67	723	17	584	72	673
% App. Total	62.5	35.1	2.4		8.8	72.3	19		25.3	65.4	9.3		2.5	86.8	10.7	
PHF	.945	.725	.500	.838	.738	.915	.780	.936	.618	.799	.798	.822	.708	.901	.667	.919

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
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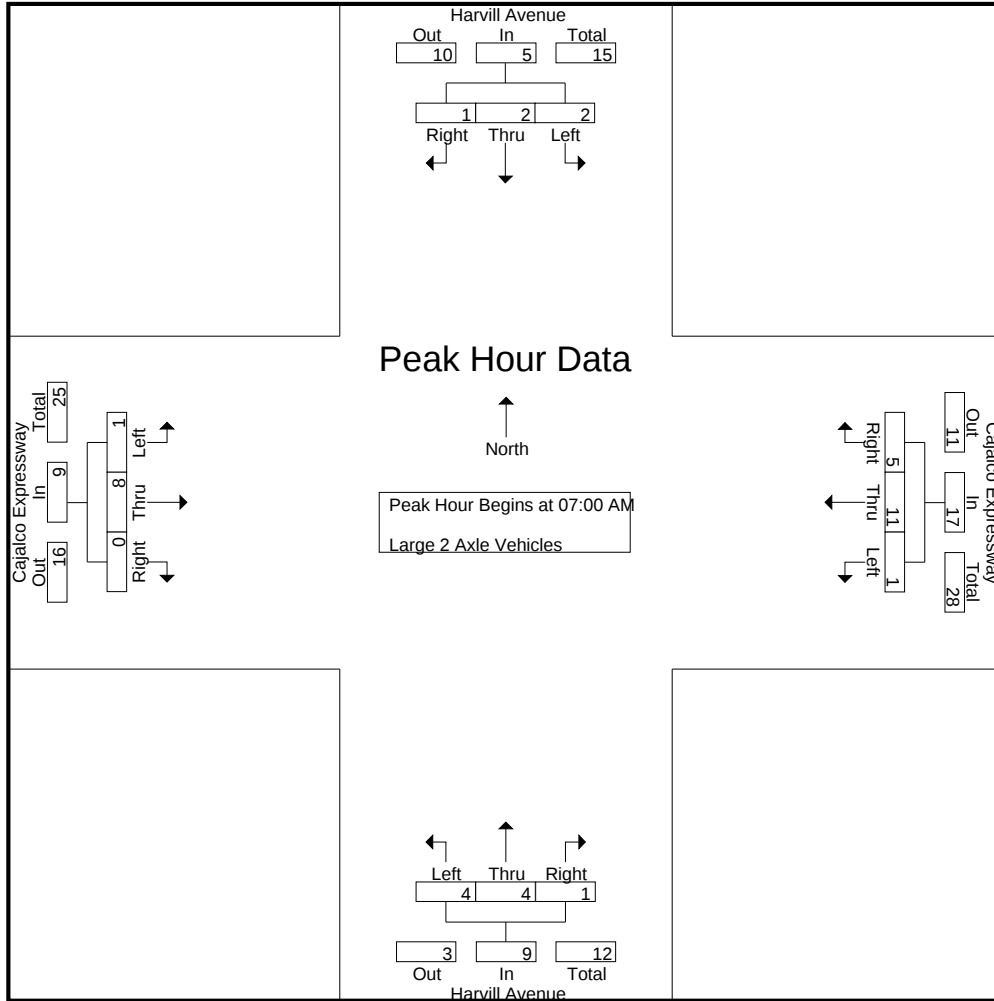
Groups Printed- Large 2 Axle Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	0	1	1	1	2	4	2	2	1	5	0	2	0	2	12
07:15 AM	1	0	0	1	0	4	0	4	2	0	0	2	0	0	0	0	7
07:30 AM	1	1	0	2	0	2	1	3	0	2	0	2	0	6	0	6	13
07:45 AM	0	0	1	1	0	4	2	6	0	0	0	0	1	0	0	1	8
Total	2	2	1	5	1	11	5	17	4	4	1	9	1	8	0	9	40
08:00 AM	0	0	0	0	1	6	1	8	0	2	0	2	0	1	0	1	11
08:15 AM	0	2	1	3	1	3	0	4	0	0	0	0	0	5	0	5	12
08:30 AM	2	2	0	4	1	5	1	7	1	1	1	3	1	3	1	5	19
08:45 AM	2	1	0	3	1	8	0	9	1	1	0	2	1	4	2	7	21
Total	4	5	1	10	4	22	2	28	2	4	1	7	2	13	3	18	63
Grand Total	6	7	2	15	5	33	7	45	6	8	2	16	3	21	3	27	103
Apprch %	40	46.7	13.3		11.1	73.3	15.6		37.5	50	12.5		11.1	77.8	11.1		
Total %	5.8	6.8	1.9	14.6	4.9	32	6.8	43.7	5.8	7.8	1.9	15.5	2.9	20.4	2.9	26.2	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	1	0	1	1	1	2	4	2	2	1	5	0	2	0	2	12
07:15 AM	1	0	0	1	0	4	0	4	2	0	0	2	0	0	0	0	7
07:30 AM	1	1	0	2	0	2	1	3	0	2	0	2	0	6	0	6	13
07:45 AM	0	0	1	1	0	4	2	6	0	0	0	0	1	0	0	1	8
Total Volume	2	2	1	5	1	11	5	17	4	4	1	9	1	8	0	9	40
% App. Total	40	40	20		5.9	64.7	29.4		44.4	44.4	11.1		11.1	88.9	0		
PHF	.500	.500	.250	.625	.250	.688	.625	.708	.500	.500	.250	.450	.250	.333	.000	.375	.769

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	0	1	0	1	1	1	2	4	2	2	1	5	0	2	0	2
+15 mins.	1	0	0	1	0	4	0	4	2	0	0	2	0	0	0	0
+30 mins.	1	1	0	2	0	2	1	3	0	2	0	2	0	6	0	6
+45 mins.	0	0	1	1	0	4	2	6	0	0	0	0	1	0	0	1
Total Volume	2	2	1	5	1	11	5	17	4	4	1	9	1	8	0	9
% App. Total	40	40	20		5.9	64.7	29.4		44.4	44.4	11.1		11.1	88.9	0	
PHF	.500	.500	.250	.625	.250	.688	.625	.708	.500	.500	.250	.450	.250	.333	.000	.375

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
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Page No : 1

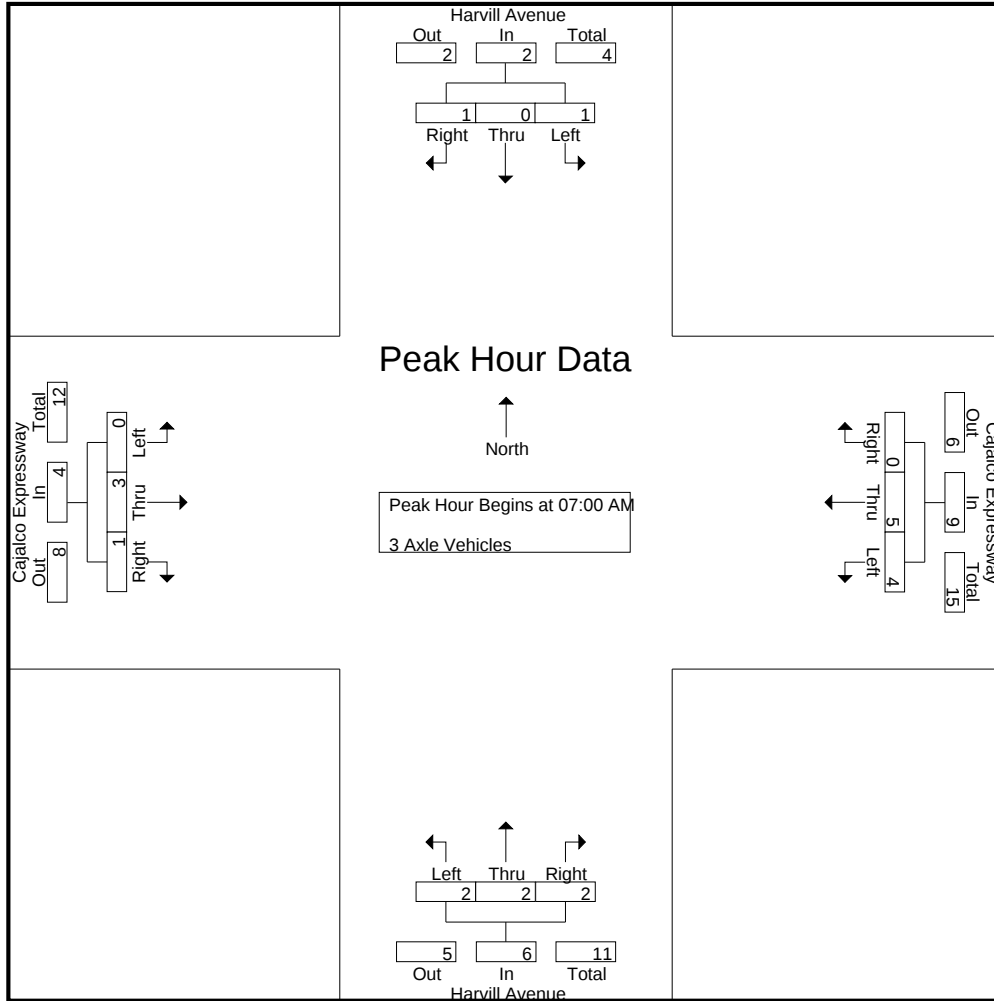
Groups Printed- 3 Axle Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	0	0	0	1	1	0	2	0	0	0	0	0	0	1	1	3
07:15 AM	1	0	0	1	1	1	0	2	1	0	0	1	0	3	0	3	7
07:30 AM	0	0	0	0	1	1	0	2	1	0	1	2	0	0	0	0	4
07:45 AM	0	0	1	1	1	2	0	3	0	2	1	3	0	0	0	0	7
Total	1	0	1	2	4	5	0	9	2	2	2	6	0	3	1	4	21
08:00 AM	0	1	0	1	1	3	0	4	1	0	2	3	0	2	0	2	10
08:15 AM	0	0	0	0	0	5	1	6	0	0	0	0	1	1	1	3	9
08:30 AM	0	0	0	0	1	3	0	4	0	0	2	2	2	6	0	8	14
08:45 AM	0	0	0	0	2	4	0	6	0	0	0	0	0	2	0	2	8
Total	0	1	0	1	4	15	1	20	1	0	4	5	3	11	1	15	41
Grand Total	1	1	1	3	8	20	1	29	3	2	6	11	3	14	2	19	62
Apprch %	33.3	33.3	33.3		27.6	69	3.4		27.3	18.2	54.5		15.8	73.7	10.5		
Total %	1.6	1.6	1.6	4.8	12.9	32.3	1.6	46.8	4.8	3.2	9.7	17.7	4.8	22.6	3.2	30.6	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	0	0	0	0	1	1	0	2	0	0	0	0	0	0	1	1	3
07:15 AM	1	0	0	1	1	1	0	2	1	0	0	1	0	3	0	3	7
07:30 AM	0	0	0	0	1	1	0	2	1	0	1	2	0	0	0	0	4
07:45 AM	0	0	1	1	1	2	0	3	0	2	1	3	0	0	0	0	7
Total Volume	1	0	1	2	4	5	0	9	2	2	2	6	0	3	1	4	21
% App. Total	50	0	50		44.4	55.6	0		33.3	33.3	33.3		0	75	25		
PHF	.250	.000	.250	.500	1.00	.625	.000	.750	.500	.250	.500	.500	.000	.250	.250	.333	.750

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	0	0	0	0	1	1	0	2	0	0	0	0	0	0	1	1
+15 mins.	1	0	0	1	1	1	0	2	1	0	0	1	0	3	0	3
+30 mins.	0	0	0	0	1	1	0	2	1	0	1	2	0	0	0	0
+45 mins.	0	0	1	1	1	2	0	3	0	2	1	3	0	0	0	0
Total Volume	1	0	1	2	4	5	0	9	2	2	2	6	0	3	1	4
% App. Total	50	0	50		44.4	55.6	0		33.3	33.3	33.3		0	75	25	
PHF	.250	.000	.250	.500	1.000	.625	.000	.750	.500	.250	.500	.500	.000	.250	.250	.333

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

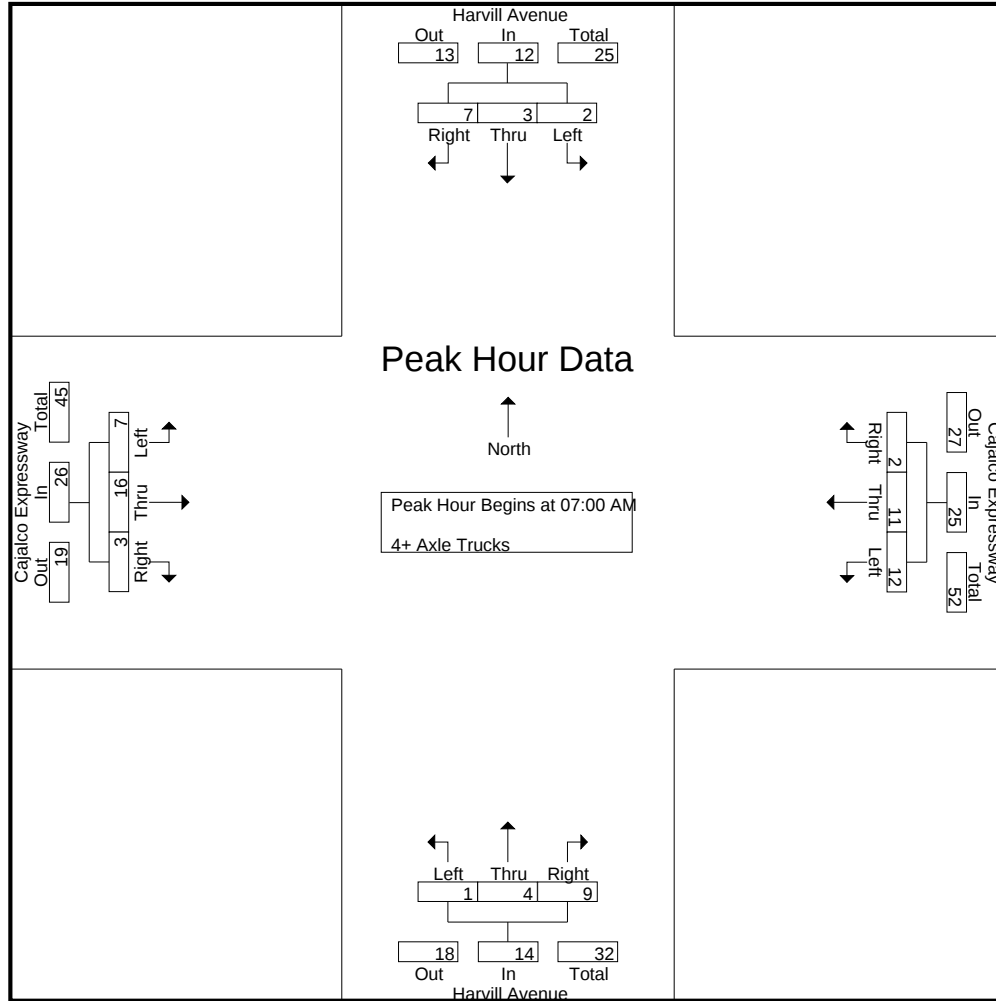
Groups Printed- 4+ Axle Trucks

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	0	2	3	4	2	1	7	0	1	0	1	2	3	1	6	17
07:15 AM	1	0	1	2	4	3	0	7	1	2	5	8	0	6	1	7	24
07:30 AM	0	2	1	3	0	2	0	2	0	0	0	0	4	5	0	9	14
07:45 AM	0	1	3	4	4	4	1	9	0	1	4	5	1	2	1	4	22
Total	2	3	7	12	12	11	2	25	1	4	9	14	7	16	3	26	77
08:00 AM	1	1	0	2	3	1	2	6	0	1	0	1	3	6	0	9	18
08:15 AM	1	1	2	4	3	11	2	16	1	1	4	6	1	8	1	10	36
08:30 AM	1	1	2	4	2	10	2	14	0	1	2	3	0	7	0	7	28
08:45 AM	1	1	5	7	5	3	2	10	3	1	3	7	3	5	1	9	33
Total	4	4	9	17	13	25	8	46	4	4	9	17	7	26	2	35	115
Grand Total	6	7	16	29	25	36	10	71	5	8	18	31	14	42	5	61	192
Apprch %	20.7	24.1	55.2		35.2	50.7	14.1		16.1	25.8	58.1		23	68.9	8.2		
Total %	3.1	3.6	8.3	15.1	13	18.8	5.2	37	2.6	4.2	9.4	16.1	7.3	21.9	2.6	31.8	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 07:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	1	0	2	3	4	2	1	7	0	1	0	1	2	3	1	6	17
07:15 AM	1	0	1	2	4	3	0	7	1	2	5	8	0	6	1	7	24
07:30 AM	0	2	1	3	0	2	0	2	0	0	0	0	4	5	0	9	14
07:45 AM	0	1	3	4	4	4	1	9	0	1	4	5	1	2	1	4	22
Total Volume	2	3	7	12	12	11	2	25	1	4	9	14	7	16	3	26	77
% App. Total	16.7	25	58.3		48	44	8		7.1	28.6	64.3		26.9	61.5	11.5		
PHF	.500	.375	.583	.750	.750	.688	.500	.694	.250	.500	.450	.438	.438	.667	.750	.722	.802

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj AM
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Peak Hour Analysis From 07:00 AM to 07:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	07:00 AM				07:00 AM				07:00 AM				07:00 AM			
+0 mins.	1	0	2	3	4	2	1	7	0	1	0	1	2	3	1	6
+15 mins.	1	0	1	2	4	3	0	7	1	2	5	8	0	6	1	7
+30 mins.	0	2	1	3	0	2	0	2	0	0	0	0	4	5	0	9
+45 mins.	0	1	3	4	4	4	1	9	0	1	4	5	1	2	1	4
Total Volume	2	3	7	12	12	11	2	25	1	4	9	14	7	16	3	26
% App. Total	16.7	25	58.3		48	44	8		7.1	28.6	64.3		26.9	61.5	11.5	
PHF	.500	.375	.583	.750	.750	.688	.500	.694	.250	.500	.450	.438	.438	.667	.750	.722

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

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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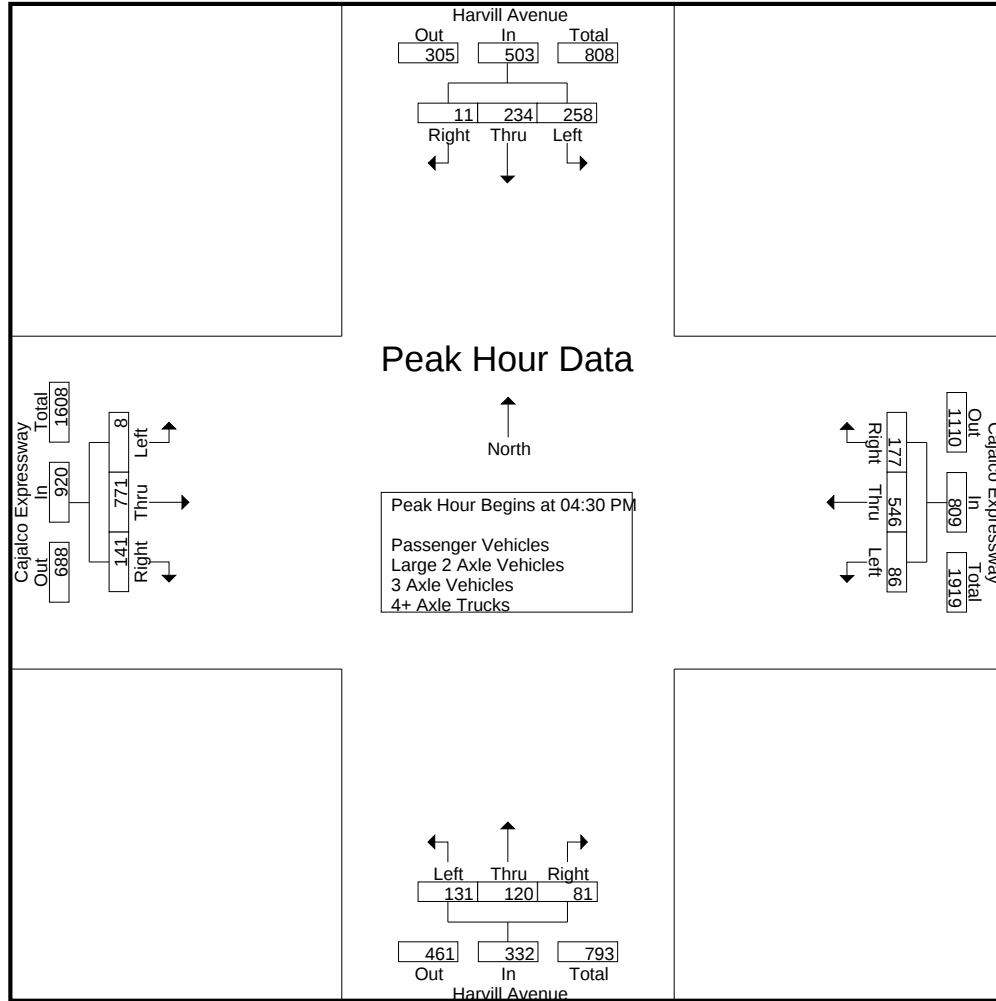
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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
04:00 PM	69	46	7	122	28	148	60	236	28	27	17	72	2	160	36	198	628
04:15 PM	48	56	2	106	21	158	45	224	25	38	19	82	3	159	40	202	614
04:30 PM	60	70	6	136	24	131	57	212	27	34	21	82	1	188	41	230	660
04:45 PM	70	43	1	114	24	124	42	190	38	27	19	84	3	188	36	227	615
Total	247	215	16	478	97	561	204	862	118	126	76	320	9	695	153	857	2517
05:00 PM	71	68	2	141	16	145	34	195	33	32	20	85	2	193	25	220	641
05:15 PM	57	53	2	112	22	146	44	212	33	27	21	81	2	202	39	243	648
05:30 PM	50	52	5	107	22	146	50	218	24	26	10	60	3	172	30	205	590
05:45 PM	72	58	1	131	14	135	35	184	29	29	16	74	1	190	26	217	606
Total	250	231	10	491	74	572	163	809	119	114	67	300	8	757	120	885	2485
Grand Total	497	446	26	969	171	1133	367	1671	237	240	143	620	17	1452	273	1742	5002
Apprch %	51.3	46	2.7		10.2	67.8	22		38.2	38.7	23.1		1	83.4	15.7		
Total %	9.9	8.9	0.5	19.4	3.4	22.7	7.3	33.4	4.7	4.8	2.9	12.4	0.3	29	5.5	34.8	
Passenger Vehicles	483	428	22	933	143	1097	339	1579	228	227	129	584	12	1414	262	1688	4784
% Passenger Vehicles	97.2	96	84.6	96.3	83.6	96.8	92.4	94.5	96.2	94.6	90.2	94.2	70.6	97.4	96	96.9	95.6
Large 2 Axle Vehicles	4	5	1	10	8	11	10	29	5	4	4	13	1	15	4	20	72
% Large 2 Axle Vehicles	0.8	1.1	3.8	1	4.7	1	2.7	1.7	2.1	1.7	2.8	2.1	5.9	1	1.5	1.1	1.4
3 Axle Vehicles	2	2	0	4	6	8	7	21	1	5	1	7	1	10	1	12	44
% 3 Axle Vehicles	0.4	0.4	0	0.4	3.5	0.7	1.9	1.3	0.4	2.1	0.7	1.1	5.9	0.7	0.4	0.7	0.9
4+ Axle Trucks	8	11	3	22	14	17	11	42	3	4	9	16	3	13	6	22	102
% 4+ Axle Trucks	1.6	2.5	11.5	2.3	8.2	1.5	3	2.5	1.3	1.7	6.3	2.6	17.6	0.9	2.2	1.3	2

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	60	70	6	136	24	131	57	212	27	34	21	82	1	188	41	230	660
04:45 PM	70	43	1	114	24	124	42	190	38	27	19	84	3	188	36	227	615
05:00 PM	71	68	2	141	16	145	34	195	33	32	20	85	2	193	25	220	641
05:15 PM	57	53	2	112	22	146	44	212	33	27	21	81	2	202	39	243	648
Total Volume	258	234	11	503	86	546	177	809	131	120	81	332	8	771	141	920	2564
% App. Total	51.3	46.5	2.2		10.6	67.5	21.9		39.5	36.1	24.4		0.9	83.8	15.3		
PHF	.908	.836	.458	.892	.896	.935	.776	.954	.862	.882	.964	.976	.667	.954	.860	.947	.971

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

	04:30 PM				04:00 PM				04:15 PM				04:30 PM			
+0 mins.	60	70	6	136	28	148	60	236	25	38	19	82	1	188	41	230
+15 mins.	70	43	1	114	21	158	45	224	27	34	21	82	3	188	36	227
+30 mins.	71	68	2	141	24	131	57	212	38	27	19	84	2	193	25	220
+45 mins.	57	53	2	112	24	124	42	190	33	32	20	85	2	202	39	243
Total Volume	258	234	11	503	97	561	204	862	123	131	79	333	8	771	141	920
% App. Total	51.3	46.5	2.2		11.3	65.1	23.7		36.9	39.3	23.7		0.9	83.8	15.3	
PHF	.908	.836	.458	.892	.866	.888	.850	.913	.809	.862	.940	.979	.667	.954	.860	.947

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
Page No : 1

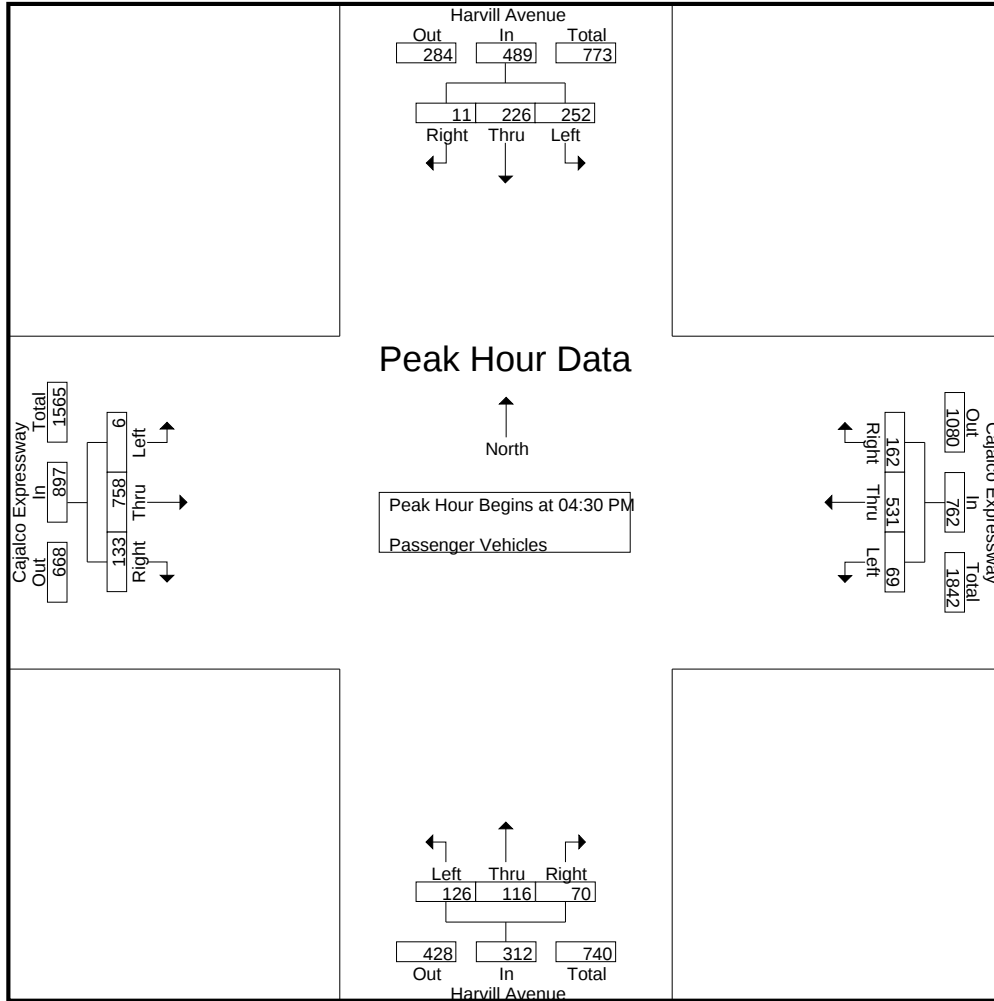
Groups Printed- Passenger Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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
04:00 PM	69	44	4	117	25	141	55	221	28	24	17	69	2	155	33	190	597
04:15 PM	46	51	2	99	18	150	42	210	24	37	16	77	2	152	40	194	580
04:30 PM	60	66	6	132	17	128	56	201	25	33	20	78	1	187	38	226	637
04:45 PM	68	42	1	111	23	122	36	181	37	26	16	79	2	180	34	216	587
Total	243	203	13	459	83	541	189	813	114	120	69	303	7	674	145	826	2401
05:00 PM	68	68	2	138	12	139	29	180	31	30	18	79	2	191	23	216	613
05:15 PM	56	50	2	108	17	142	41	200	33	27	16	76	1	200	38	239	623
05:30 PM	47	50	4	101	20	142	48	210	23	23	10	56	2	163	30	195	562
05:45 PM	69	57	1	127	11	133	32	176	27	27	16	70	0	186	26	212	585
Total	240	225	9	474	60	556	150	766	114	107	60	281	5	740	117	862	2383
Grand Total	483	428	22	933	143	1097	339	1579	228	227	129	584	12	1414	262	1688	4784
Apprch %	51.8	45.9	2.4		9.1	69.5	21.5		39	38.9	22.1		0.7	83.8	15.5		
Total %	10.1	8.9	0.5	19.5	3	22.9	7.1	33	4.8	4.7	2.7	12.2	0.3	29.6	5.5	35.3	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	60	66	6	132	17	128	56	201	25	33	20	78	1	187	38	226	637
04:45 PM	68	42	1	111	23	122	36	181	37	26	16	79	2	180	34	216	587
05:00 PM	68	68	2	138	12	139	29	180	31	30	18	79	2	191	23	216	613
05:15 PM	56	50	2	108	17	142	41	200	33	27	16	76	1	200	38	239	623
Total Volume	252	226	11	489	69	531	162	762	126	116	70	312	6	758	133	897	2460
% App. Total	51.5	46.2	2.2		9.1	69.7	21.3		40.4	37.2	22.4		0.7	84.5	14.8		
PHF	.926	.831	.458	.886	.750	.935	.723	.948	.851	.879	.875	.987	.750	.948	.875	.938	.965

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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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.	60	66	6	132	17	128	56	201	25	33	20	78	1	187	38	226
+15 mins.	68	42	1	111	23	122	36	181	37	26	16	79	2	180	34	216
+30 mins.	68	68	2	138	12	139	29	180	31	30	18	79	2	191	23	216
+45 mins.	56	50	2	108	17	142	41	200	33	27	16	76	1	200	38	239
Total Volume	252	226	11	489	69	531	162	762	126	116	70	312	6	758	133	897
% App. Total	51.5	46.2	2.2		9.1	69.7	21.3		40.4	37.2	22.4		0.7	84.5	14.8	
PHF	.926	.831	.458	.886	.750	.935	.723	.948	.851	.879	.875	.987	.750	.948	.875	.938

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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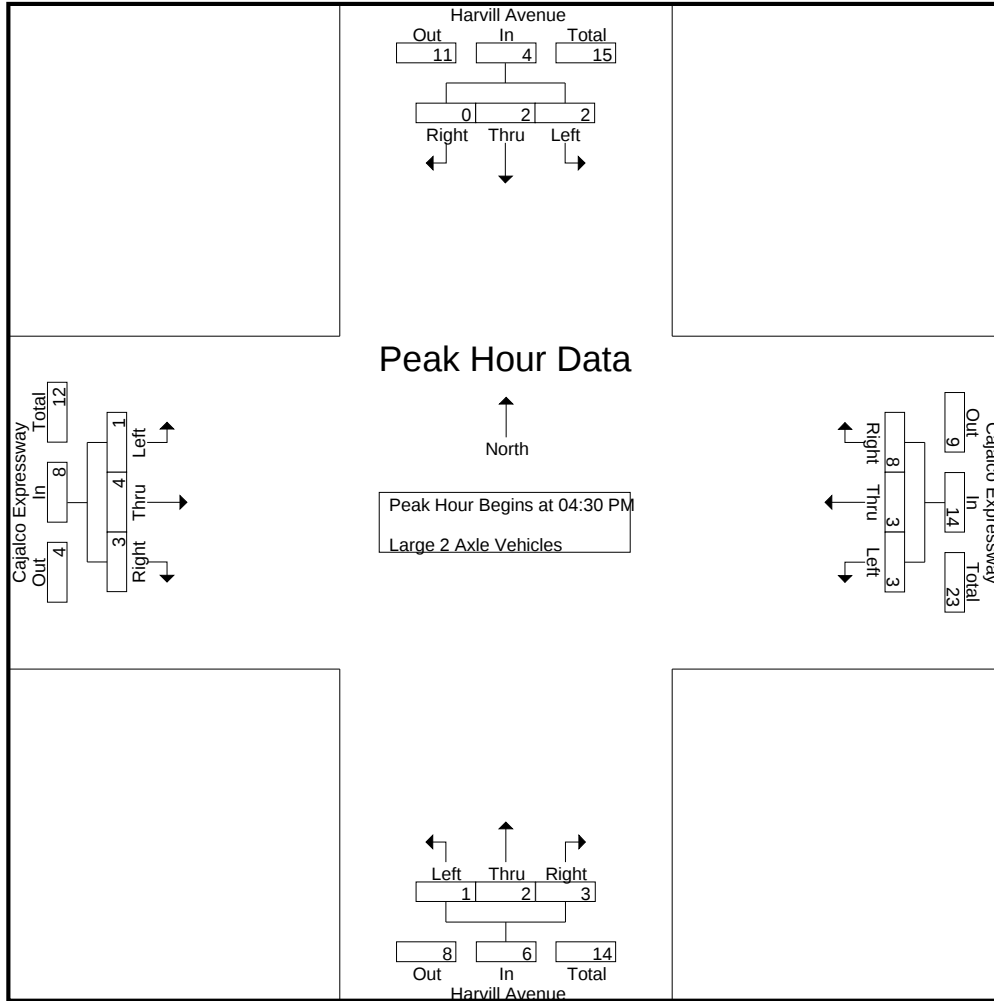
Groups Printed- Large 2 Axle Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway Eastbound				Int. Total
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	1	1	2	1	2	1	4	0	1	0	1	0	3	1	4	11
04:15 PM	1	2	0	3	2	2	1	5	1	0	1	2	0	3	0	3	13
04:30 PM	0	0	0	0	0	1	1	2	0	1	1	2	0	0	1	1	5
04:45 PM	2	0	0	2	1	0	4	5	0	0	0	0	0	4	0	4	11
Total	3	3	1	7	4	5	7	16	1	2	2	5	0	10	2	12	40
05:00 PM	0	0	0	0	2	1	3	6	1	1	1	3	0	0	2	2	11
05:15 PM	0	2	0	2	0	1	0	1	0	0	1	1	1	0	0	1	5
05:30 PM	1	0	0	1	1	3	0	4	1	0	0	1	0	3	0	3	9
05:45 PM	0	0	0	0	1	1	0	2	2	1	0	3	0	2	0	2	7
Total	1	2	0	3	4	6	3	13	4	2	2	8	1	5	2	8	32
Grand Total	4	5	1	10	8	11	10	29	5	4	4	13	1	15	4	20	72
Apprch %	40	50	10		27.6	37.9	34.5		38.5	30.8	30.8		5	75	20		
Total %	5.6	6.9	1.4	13.9	11.1	15.3	13.9	40.3	6.9	5.6	5.6	18.1	1.4	20.8	5.6	27.8	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	0	0	0	0	1	1	2	0	1	1	2	0	0	1	1	5
04:45 PM	2	0	0	2	1	0	4	5	0	0	0	0	0	4	0	4	11
05:00 PM	0	0	0	0	2	1	3	6	1	1	1	3	0	0	2	2	11
05:15 PM	0	2	0	2	0	1	0	1	0	0	1	1	1	0	0	1	5
Total Volume	2	2	0	4	3	3	8	14	1	2	3	6	1	4	3	8	32
% App. Total	50	50	0		21.4	21.4	57.1		16.7	33.3	50		12.5	50	37.5		
PHF	.250	.250	.000	.500	.375	.750	.500	.583	.250	.500	.750	.500	.250	.250	.375	.500	.727

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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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	0	0	0	0	1	1	2	0	1	1	2	0	0	1	1
+15 mins.	2	0	0	2	1	0	4	5	0	0	0	0	0	4	0	4
+30 mins.	0	0	0	0	2	1	3	6	1	1	1	3	0	0	2	2
+45 mins.	0	2	0	2	0	1	0	1	0	0	1	1	1	0	0	1
Total Volume	2	2	0	4	3	3	8	14	1	2	3	6	1	4	3	8
% App. Total	50	50	0		21.4	21.4	57.1		16.7	33.3	50		12.5	50	37.5	
PHF	.250	.250	.000	.500	.375	.750	.500	.583	.250	.500	.750	.500	.250	.250	.375	.500

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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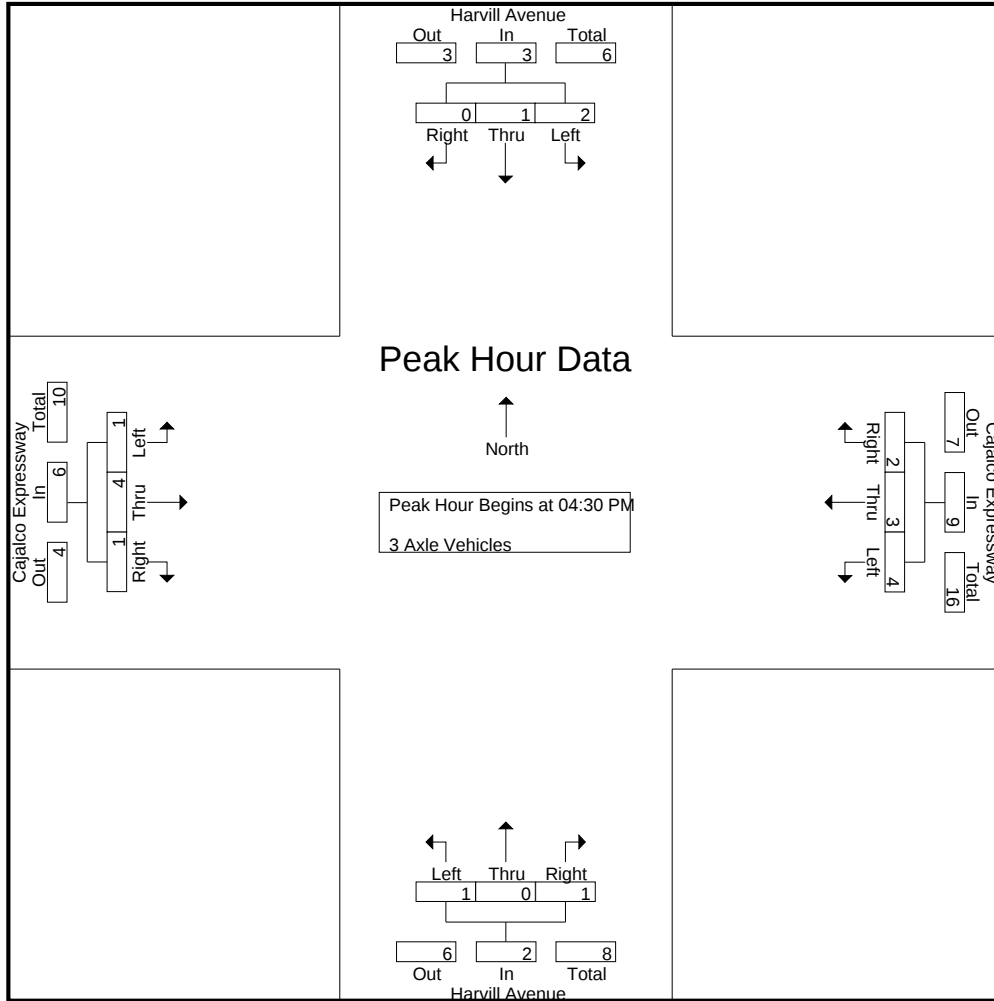
Groups Printed- 3 Axle Vehicles

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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
04:00 PM	0	1	0	1	1	2	1	4	0	1	0	1	0	0	0	0	6
04:15 PM	0	0	0	0	1	1	1	3	0	1	0	1	0	1	0	1	5
04:30 PM	0	1	0	1	1	0	0	1	0	0	0	0	0	1	0	1	3
04:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	1	2	1	4	5
Total	0	2	0	2	3	3	2	8	1	2	0	3	1	4	1	6	19
05:00 PM	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0	1	4
05:15 PM	0	0	0	0	3	2	2	7	0	0	1	1	0	0	0	0	8
05:30 PM	0	0	0	0	0	1	1	2	0	3	0	3	0	3	0	3	8
05:45 PM	0	0	0	0	0	1	2	3	0	0	0	0	0	2	0	2	5
Total	2	0	0	2	3	5	5	13	0	3	1	4	0	6	0	6	25
Grand Total	2	2	0	4	6	8	7	21	1	5	1	7	1	10	1	12	44
Apprch %	50	50	0		28.6	38.1	33.3		14.3	71.4	14.3		8.3	83.3	8.3		
Total %	4.5	4.5	0	9.1	13.6	18.2	15.9	47.7	2.3	11.4	2.3	15.9	2.3	22.7	2.3	27.3	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	1	0	1	1	0	0	1	0	0	0	0	0	1	0	1	3
04:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	1	2	1	4	5
05:00 PM	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0	1	4
05:15 PM	0	0	0	0	3	2	2	7	0	0	1	1	0	0	0	0	8
Total Volume	2	1	0	3	4	3	2	9	1	0	1	2	1	4	1	6	20
% App. Total	66.7	33.3	0		44.4	33.3	22.2		50	0	50		16.7	66.7	16.7		
PHF	.250	.250	.000	.375	.333	.375	.250	.321	.250	.000	.250	.500	.250	.500	.250	.375	.625

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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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	1	0	1	1	0	0	1	0	0	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	0	0	0	1	0	0	1	1	2	1	4
+30 mins.	2	0	0	2	0	1	0	1	0	0	0	0	0	1	0	1
+45 mins.	0	0	0	0	3	2	2	7	0	0	1	1	0	0	0	0
Total Volume	2	1	0	3	4	3	2	9	1	0	1	2	1	4	1	6
% App. Total	66.7	33.3	0		44.4	33.3	22.2		50	0	50		16.7	66.7	16.7	
PHF	.250	.250	.000	.375	.333	.375	.250	.321	.250	.000	.250	.500	.250	.500	.250	.375

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

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
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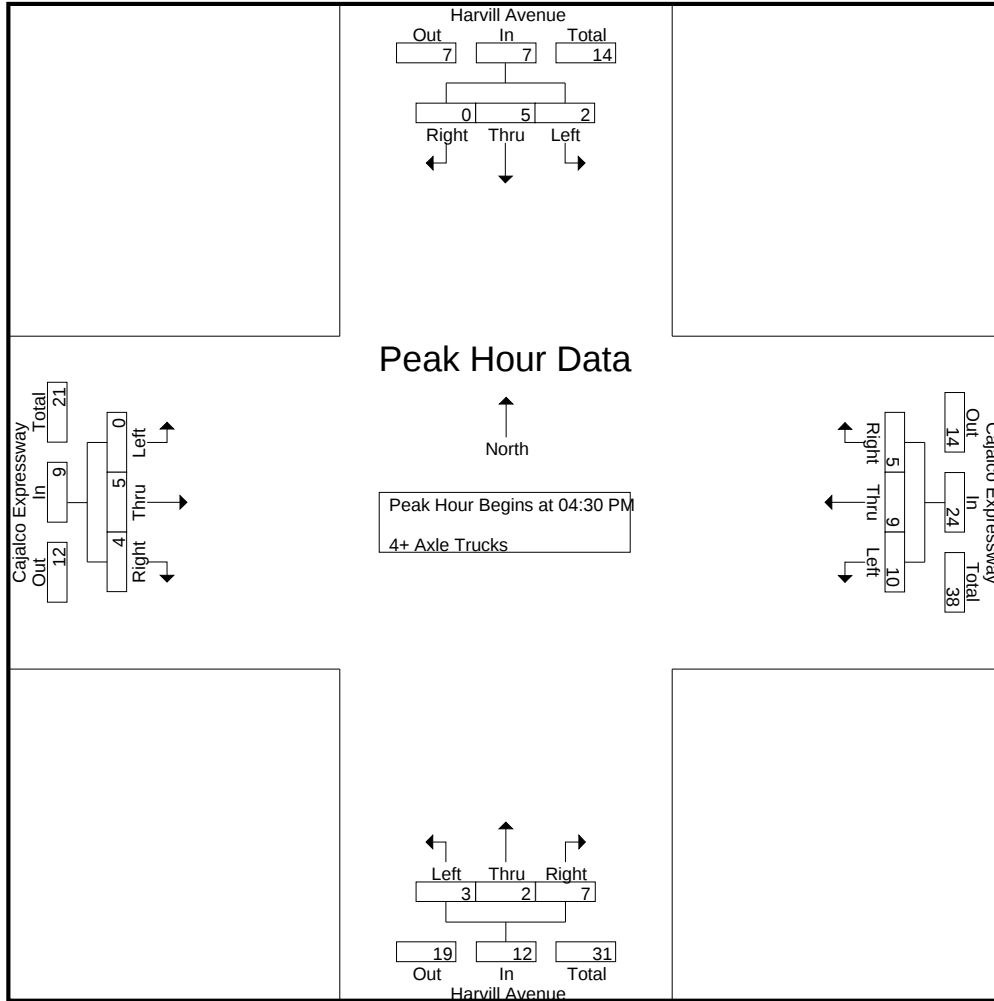
Groups Printed- 4+ Axle Trucks

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway Eastbound				Int. Total
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	0	0	2	2	1	3	3	7	0	1	0	1	0	2	2	4	14
04:15 PM	1	3	0	4	0	5	1	6	0	0	2	2	1	3	0	4	16
04:30 PM	0	3	0	3	6	2	0	8	2	0	0	2	0	0	2	2	15
04:45 PM	0	1	0	1	0	2	2	4	0	1	3	4	0	2	1	3	12
Total	1	7	2	10	7	12	6	25	2	2	5	9	1	7	5	13	57
05:00 PM	1	0	0	1	2	4	2	8	1	1	1	3	0	1	0	1	13
05:15 PM	1	1	0	2	2	1	1	4	0	0	3	3	0	2	1	3	12
05:30 PM	2	2	1	5	1	0	1	2	0	0	0	0	1	3	0	4	11
05:45 PM	3	1	0	4	2	0	1	3	0	1	0	1	1	0	0	1	9
Total	7	4	1	12	7	5	5	17	1	2	4	7	2	6	1	9	45
Grand Total	8	11	3	22	14	17	11	42	3	4	9	16	3	13	6	22	102
Apprch %	36.4	50	13.6		33.3	40.5	26.2		18.8	25	56.2		13.6	59.1	27.3		
Total %	7.8	10.8	2.9	21.6	13.7	16.7	10.8	41.2	2.9	3.9	8.8	15.7	2.9	12.7	5.9	21.6	

	Harvill Avenue Southbound				Cajalco Expressway Westbound				Harvill Avenue Northbound				Cajalco Expressway 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	3	0	3	6	2	0	8	2	0	0	2	0	0	2	2	15
04:45 PM	0	1	0	1	0	2	2	4	0	1	3	4	0	2	1	3	12
05:00 PM	1	0	0	1	2	4	2	8	1	1	1	3	0	1	0	1	13
05:15 PM	1	1	0	2	2	1	1	4	0	0	3	3	0	2	1	3	12
Total Volume	2	5	0	7	10	9	5	24	3	2	7	12	0	5	4	9	52
% App. Total	28.6	71.4	0		41.7	37.5	20.8		25	16.7	58.3		0	55.6	44.4		
PHF	.500	.417	.000	.583	.417	.563	.625	.750	.375	.500	.583	.750	.000	.625	.500	.750	.867

County of Riverside
N/S: Harvill Avenue
E/W: Cajalco Expressway
Weather: Clear

File Name : 11_CRV_Har_Caj PM
Site Code : 04225436
Start Date : 4/29/2025
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:

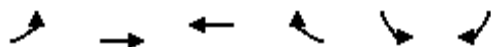
	04:30 PM				04:30 PM				04:30 PM				04:30 PM			
+0 mins.	0	3	0	3	6	2	0	8	2	0	0	2	0	0	2	2
+15 mins.	0	1	0	1	0	2	2	4	0	1	3	4	0	2	1	3
+30 mins.	1	0	0	1	2	4	2	8	1	1	1	3	0	1	0	1
+45 mins.	1	1	0	2	2	1	1	4	0	0	3	3	0	2	1	3
Total Volume	2	5	0	7	10	9	5	24	3	2	7	12	0	5	4	9
% App. Total	28.6	71.4	0		41.7	37.5	20.8		25	16.7	58.3		0	55.6	44.4	
PHF	.500	.417	.000	.583	.417	.563	.625	.750	.375	.500	.583	.750	.000	.625	.500	.750

APPENDIX B – LOS Calculation Sheets

Existing (2025)

Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

Cajalco Road Widening
05/27/2025



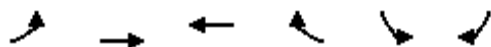
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	100	192	901	15	8	238
Future Volume (vph)	100	192	901	15	8	238
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			0	0	0
Storage Lanes	1			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.998		0.869	
Flt Protected	0.950				0.998	
Satd. Flow (prot)	1703	1792	1806	0	1600	0
Flt Permitted	0.950				0.998	
Satd. Flow (perm)	1703	1792	1806	0	1600	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			1		243	
Link Speed (mph)		55	55		55	
Link Distance (ft)		802	920		579	
Travel Time (s)		9.9	11.4		7.2	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	6%	6%	5%	5%	3%	3%
Adj. Flow (vph)	102	196	919	15	8	243
Shared Lane Traffic (%)						
Lane Group Flow (vph)	102	196	934	0	251	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2		1	
Detector Template	Left	Thru	Thru		Left	
Leading Detector (ft)	20	100	100		20	
Trailing Detector (ft)	0	0	0		0	
Detector 1 Position(ft)	0	0	0		0	
Detector 1 Size(ft)	20	6	6		20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0		0.0	
Detector 1 Queue (s)	0.0	0.0	0.0		0.0	
Detector 1 Delay (s)	0.0	0.0	0.0		0.0	
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA		Prot	
Protected Phases	7	4	8		6	

Existing Conditions
Timing Plan: AM Peak Hour

Synchro 11 Report
Page 1

Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

Cajalco Road Widening
05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases						
Detector Phase	7	4	8		6	
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0		10.0	
Minimum Split (s)	11.0	45.0	45.0		20.0	
Total Split (s)	20.0	119.0	99.0		31.0	
Total Split (%)	13.3%	79.3%	66.0%		20.7%	
Maximum Green (s)	14.0	113.0	93.0		25.0	
Yellow Time (s)	5.0	5.0	5.0		5.0	
All-Red Time (s)	1.0	1.0	1.0		1.0	
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	
Total Lost Time (s)	6.0	6.0	6.0		6.0	
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Vehicle Extension (s)	5.0	5.0	5.0		5.0	
Recall Mode	None	Min	Min		None	
Walk Time (s)			5.0			
Flash Dont Walk (s)			15.0			
Pedestrian Calls (#/hr)			0			
Act Effct Green (s)	13.0	82.3	63.1		12.1	
Actuated g/C Ratio	0.12	0.77	0.59		0.11	
v/c Ratio	0.50	0.14	0.88		0.63	
Control Delay	59.0	3.3	28.8		15.4	
Queue Delay	0.0	0.0	0.0		0.0	
Total Delay	59.0	3.3	28.8		15.4	
LOS	E	A	C		B	
Approach Delay		22.4	28.8		15.4	
Approach LOS		C	C		B	
Queue Length 50th (ft)	63	25	484		5	
Queue Length 95th (ft)	#160	57	805		94	
Internal Link Dist (ft)		722	840		499	
Turn Bay Length (ft)	100					
Base Capacity (vph)	233	1699	1565		574	
Starvation Cap Reductn	0	0	0		0	
Spillback Cap Reductn	0	0	0		0	
Storage Cap Reductn	0	0	0		0	
Reduced v/c Ratio	0.44	0.12	0.60		0.44	
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 107						
Natural Cycle: 80						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.88						
Intersection Signal Delay: 25.3				Intersection LOS: C		
Intersection Capacity Utilization 84.0%				ICU Level of Service E		
Analysis Period (min) 15						
# 95th percentile volume exceeds capacity, queue may be longer.						

Queue shown is maximum after two cycles.

Splits and Phases: 1: Cajalco Rd & La Sierra Ave

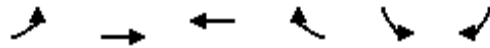


Intersection						
Int Delay, s/veh	45.5					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑	↗	↖	↑	↘	
Traffic Vol, veh/h	167	30	9	553	396	21
Future Vol, veh/h	167	30	9	553	396	21
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	125	225	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	96	96	96	96	96	96
Heavy Vehicles, %	9	9	7	7	3	3
Mvmt Flow	174	31	9	576	413	22
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	205	0	768	174
Stage 1	-	-	-	-	174	-
Stage 2	-	-	-	-	594	-
Critical Hdwy	-	-	4.17	-	6.43	6.23
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	-	-	2.263	-	3.527	3.327
Pot Cap-1 Maneuver	-	-	1337	-	~ 368	867
Stage 1	-	-	-	-	854	-
Stage 2	-	-	-	-	550	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1337	-	~ 365	867
Mov Cap-2 Maneuver	-	-	-	-	~ 365	-
Stage 1	-	-	-	-	854	-
Stage 2	-	-	-	-	546	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.1		128.2	
HCM LOS					F	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	376	-	-	1337	-	
HCM Lane V/C Ratio	1.155	-	-	0.007	-	
HCM Control Delay (s)	128.2	-	-	7.7	-	
HCM Lane LOS	F	-	-	A	-	
HCM 95th %tile Q(veh)	16.9	-	-	0	-	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Lanes, Volumes, Timings
3: Cajalco Rd & El Sobrante Rd

Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	24	197	565	596	229	12
Future Volume (vph)	24	197	565	596	229	12
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300			300	0	200
Storage Lanes	1			1	1	1
Taper Length (ft)	100				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1671	1759	1827	1553	1736	1553
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1671	1759	1827	1553	1736	1553
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				627		13
Link Speed (mph)		55	55		55	
Link Distance (ft)		913	1001		472	
Travel Time (s)		11.3	12.4		5.9	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	8%	8%	4%	4%	4%	4%
Adj. Flow (vph)	25	207	595	627	241	13
Shared Lane Traffic (%)						
Lane Group Flow (vph)	25	207	595	627	241	13
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

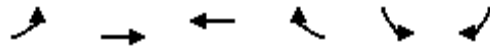
Existing Conditions
Timing Plan: AM Peak Hour

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Lanes, Volumes, Timings
3: Cajalco Rd & El Sobrante Rd

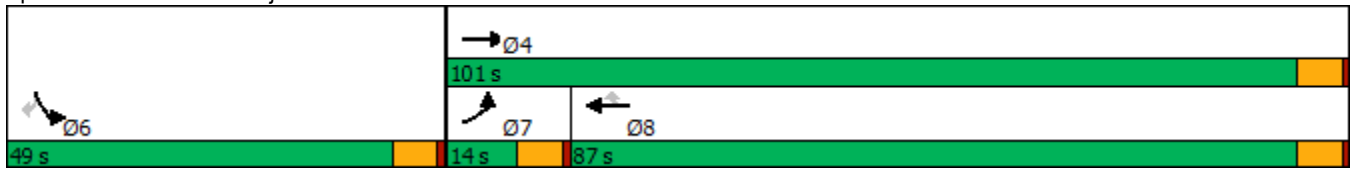
Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	26.0	26.0
Total Split (s)	14.0	101.0	87.0	87.0	49.0	49.0
Total Split (%)	9.3%	67.3%	58.0%	58.0%	32.7%	32.7%
Maximum Green (s)	8.0	95.0	81.0	81.0	43.0	43.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			18.0	18.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effct Green (s)	9.0	48.3	44.3	44.3	21.3	21.3
Actuated g/C Ratio	0.11	0.58	0.53	0.53	0.26	0.26
v/c Ratio	0.14	0.20	0.61	0.56	0.54	0.03
Control Delay	49.9	8.5	18.1	3.3	36.7	16.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	49.9	8.5	18.1	3.3	36.7	16.6
LOS	D	A	B	A	D	B
Approach Delay		13.0	10.5		35.7	
Approach LOS		B	B		D	
Queue Length 50th (ft)	11	43	163	0	98	0
Queue Length 95th (ft)	51	98	443	54	264	17
Internal Link Dist (ft)		833	921		392	
Turn Bay Length (ft)	300			300		200
Base Capacity (vph)	183	1633	1607	1442	1024	922
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.14	0.13	0.37	0.43	0.24	0.01
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 83.3						
Natural Cycle: 85						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.61						
Intersection Signal Delay: 14.6				Intersection LOS: B		
Intersection Capacity Utilization 52.4%				ICU Level of Service A		
Analysis Period (min) 15						

Splits and Phases: 3: Cajalco Rd & El Sobrante Rd



Lanes, Volumes, Timings
4: Smith Rd/Harley John Rd & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	161	442	1	1	814	131	5	4	7	109	1	68
Future Volume (vph)	161	442	1	1	814	131	5	4	7	109	1	68
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300		0	350		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	100			75			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt					0.979			0.941			0.949	
Flt Protected	0.950			0.950				0.985			0.970	
Satd. Flow (prot)	1736	1827	0	1719	1772	0	0	1761	0	0	1666	0
Flt Permitted	0.950			0.950				0.985			0.970	
Satd. Flow (perm)	1736	1827	0	1719	1772	0	0	1761	0	0	1666	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					8			7			18	
Link Speed (mph)		50			50			35			50	
Link Distance (ft)		886			810			608			914	
Travel Time (s)		12.1			11.0			11.8			12.5	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	4%	4%	4%	5%	5%	5%	0%	0%	0%	5%	5%	5%
Adj. Flow (vph)	164	451	1	1	831	134	5	4	7	111	1	69
Shared Lane Traffic (%)												
Lane Group Flow (vph)	164	452	0	1	965	0	0	16	0	0	181	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA		Prot	NA		Split	NA		Split	NA	
Protected Phases	7	4		3	8		1	1		2	2	

Existing Conditions
Timing Plan: AM Peak Hour

Synchro 11 Report
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Lanes, Volumes, Timings
4: Smith Rd/Harley John Rd & Cajalco Rd

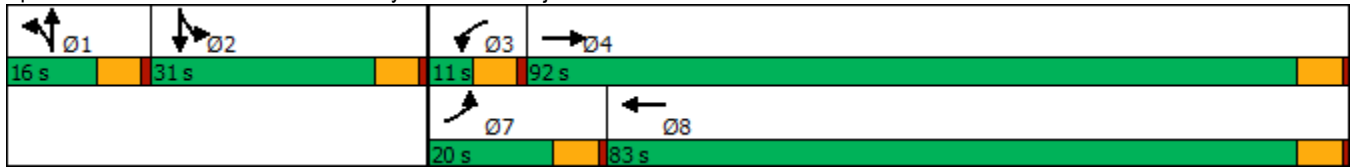
Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases												
Detector Phase	7	4		3	8		1	1		2	2	
Switch Phase												
Minimum Initial (s)	5.0	10.0		5.0	10.0		10.0	10.0		10.0	10.0	
Minimum Split (s)	11.0	45.0		11.0	45.0		16.0	16.0		31.0	31.0	
Total Split (s)	20.0	92.0		11.0	83.0		16.0	16.0		31.0	31.0	
Total Split (%)	13.3%	61.3%		7.3%	55.3%		10.7%	10.7%		20.7%	20.7%	
Maximum Green (s)	14.0	86.0		5.0	77.0		10.0	10.0		25.0	25.0	
Yellow Time (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0			0.0			0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0			6.0			6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lead		Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Recall Mode	None	Min		None	Min		None	None		None	None	
Walk Time (s)		5.0			5.0					5.0	5.0	
Flash Dont Walk (s)		15.0			15.0					20.0	20.0	
Pedestrian Calls (#/hr)		0			0					0	0	
Act Effct Green (s)	14.1	95.8		5.0	77.6			10.1			19.7	
Actuated g/C Ratio	0.10	0.71		0.04	0.57			0.07			0.15	
v/c Ratio	0.91	0.35		0.02	0.95			0.12			0.70	
Control Delay	106.7	11.1		70.0	46.5			47.3			65.5	
Queue Delay	0.0	0.0		0.0	0.0			0.0			0.0	
Total Delay	106.7	11.1		70.0	46.5			47.3			65.5	
LOS	F	B		E	D			D			E	
Approach Delay		36.6			46.6			47.3			65.5	
Approach LOS		D			D			D			E	
Queue Length 50th (ft)	137	108		1	667			7			130	
Queue Length 95th (ft)	#323	326		8	#1294			34			236	
Internal Link Dist (ft)		806			730			528			834	
Turn Bay Length (ft)	300			350								
Base Capacity (vph)	181	1293		64	1019			137			324	
Starvation Cap Reductn	0	0		0	0			0			0	
Spillback Cap Reductn	0	0		0	0			0			0	
Storage Cap Reductn	0	0		0	0			0			0	
Reduced v/c Ratio	0.91	0.35		0.02	0.95			0.12			0.56	
Intersection Summary												
Area Type:	Other											
Cycle Length: 150												
Actuated Cycle Length: 135.3												
Natural Cycle: 145												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.95												
Intersection Signal Delay: 45.0						Intersection LOS: D						
Intersection Capacity Utilization 91.6%						ICU Level of Service F						
Analysis Period (min) 15												
# 95th percentile volume exceeds capacity, queue may be longer.												

Queue shown is maximum after two cycles.

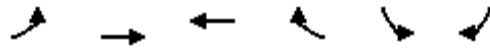
Splits and Phases: 4: Smith Rd/Harley John Rd & Cajalco Rd



Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	167	439	725	272	130	225
Future Volume (vph)	167	439	725	272	130	225
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	325			0	275	0
Storage Lanes	1			1	1	1
Taper Length (ft)	150				125	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1719	1810	1792	1524	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1719	1810	1792	1524	1770	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				221		242
Link Speed (mph)		50	50		50	
Link Distance (ft)		832	934		692	
Travel Time (s)		11.3	12.7		9.4	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	5%	5%	6%	6%	2%	2%
Adj. Flow (vph)	180	472	780	292	140	242
Shared Lane Traffic (%)						
Lane Group Flow (vph)	180	472	780	292	140	242
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

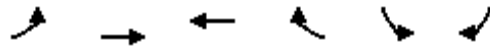
Existing Conditions
Timing Plan: AM Peak Hour

Synchro 11 Report
Page 11

Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

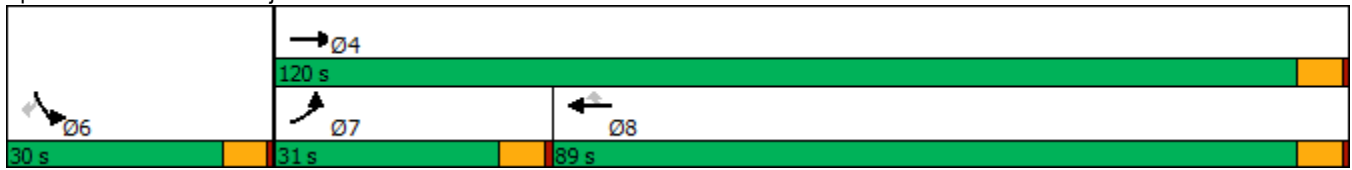
Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	30.0	30.0
Total Split (s)	31.0	120.0	89.0	89.0	30.0	30.0
Total Split (%)	20.7%	80.0%	59.3%	59.3%	20.0%	20.0%
Maximum Green (s)	25.0	114.0	83.0	83.0	24.0	24.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			15.0	15.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effct Green (s)	19.6	87.4	61.4	61.4	17.2	17.2
Actuated g/C Ratio	0.17	0.75	0.52	0.52	0.15	0.15
v/c Ratio	0.63	0.35	0.83	0.32	0.54	0.55
Control Delay	60.3	5.9	33.0	5.3	59.7	11.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	60.3	5.9	33.0	5.3	59.7	11.7
LOS	E	A	C	A	E	B
Approach Delay		20.9	25.4		29.3	
Approach LOS		C	C		C	
Queue Length 50th (ft)	130	102	473	26	101	0
Queue Length 95th (ft)	252	179	775	82	201	80
Internal Link Dist (ft)		752	854		612	
Turn Bay Length (ft)	325				275	
Base Capacity (vph)	389	1634	1318	1179	384	533
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.46	0.29	0.59	0.25	0.36	0.45
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 117.3						
Natural Cycle: 90						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.83						
Intersection Signal Delay: 24.7				Intersection LOS: C		
Intersection Capacity Utilization 70.7%				ICU Level of Service C		
Analysis Period (min) 15						

Splits and Phases: 5: Cajalco Rd & Wood Rd



Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	30	457	66	117	628	127	99	311	130	61	109	24
Future Volume (vph)	30	457	66	117	628	127	99	311	130	61	109	24
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	225		225	225		225	150		150	250		125
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	75			75			125			50		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1671	3343	1495	1703	3406	1524	3303	1792	1524	1719	1810	1538
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1671	3343	1495	1703	3406	1524	3303	1792	1524	1719	1810	1538
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			153			131			153			153
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		493			567			619			693	
Travel Time (s)		7.5			8.6			10.6			11.8	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	8%	8%	8%	6%	6%	6%	6%	6%	6%	5%	5%	5%
Adj. Flow (vph)	31	471	68	121	647	131	102	321	134	63	112	25
Shared Lane Traffic (%)												
Lane Group Flow (vph)	31	471	68	121	647	131	102	321	134	63	112	25
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2	1	1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100	20	20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6	20	20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Existing Conditions
Timing Plan: AM Peak Hour

Synchro 11 Report
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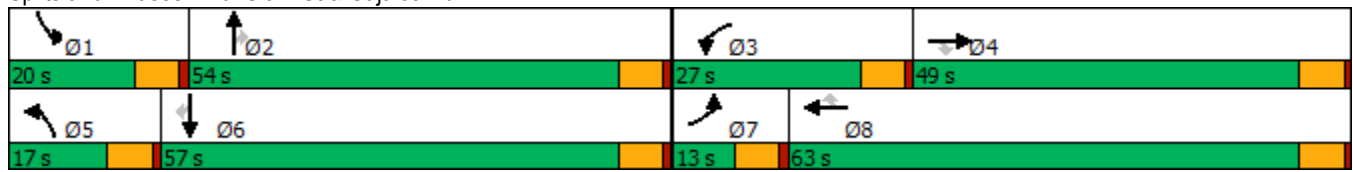
Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	11.0	45.0	45.0	11.0	40.0	40.0	16.0	40.0	40.0
Total Split (s)	13.0	49.0	49.0	27.0	63.0	63.0	17.0	54.0	54.0	20.0	57.0	57.0
Total Split (%)	8.7%	32.7%	32.7%	18.0%	42.0%	42.0%	11.3%	36.0%	36.0%	13.3%	38.0%	38.0%
Maximum Green (s)	7.0	43.0	43.0	21.0	57.0	57.0	11.0	48.0	48.0	14.0	51.0	51.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0
Flash Dont Walk (s)		20.0	20.0		20.0	20.0		25.0	25.0		25.0	25.0
Pedestrian Calls (#/hr)		0	0		0	0		0	0		0	0
Act Effct Green (s)	7.4	23.6	23.6	15.0	38.2	38.2	10.5	29.9	29.9	11.4	26.5	26.5
Actuated g/C Ratio	0.07	0.23	0.23	0.15	0.38	0.38	0.10	0.30	0.30	0.11	0.26	0.26
v/c Ratio	0.25	0.60	0.15	0.48	0.50	0.20	0.30	0.61	0.24	0.33	0.24	0.05
Control Delay	59.4	40.0	0.7	51.3	28.8	5.7	51.4	39.5	4.8	53.3	31.5	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	59.4	40.0	0.7	51.3	28.8	5.7	51.4	39.5	4.8	53.3	31.5	0.2
LOS	E	D	A	D	C	A	D	D	A	D	C	A
Approach Delay		36.3			28.5			33.3			34.5	
Approach LOS		D			C			C			C	
Queue Length 50th (ft)	19	142	0	73	184	0	31	185	0	38	56	0
Queue Length 95th (ft)	62	247	0	164	296	44	75	341	35	101	119	0
Internal Link Dist (ft)		413			487			539			613	
Turn Bay Length (ft)	225		225	225		225	150		150	250		125
Base Capacity (vph)	122	1509	759	375	2038	964	381	903	844	252	969	894
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.25	0.31	0.09	0.32	0.32	0.14	0.27	0.36	0.16	0.25	0.12	0.03
Intersection Summary												
Area Type: Other												
Cycle Length: 150												
Actuated Cycle Length: 101.1												
Natural Cycle: 115												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.61												
Intersection Signal Delay: 32.2 Intersection LOS: C												
Intersection Capacity Utilization 62.1% ICU Level of Service B												
Analysis Period (min) 15												

Splits and Phases: 6: Clark St & Cajalco Rd



Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	611	76	76	514	135	190	483	79	160	92	15
Future Volume (vph)	25	611	76	76	514	135	190	483	79	160	92	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	225		425	100		0	350		300
Storage Lanes	1		1	2		1	2		0	2		1
Taper Length (ft)	75			125			75			100		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	0.97	0.95	0.95	0.97	0.95	1.00
Frt			0.850			0.850		0.979				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1671	3343	1495	3213	3312	1482	3303	3334	0	3213	3312	1482
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1671	3343	1495	3213	3312	1482	3303	3334	0	3213	3312	1482
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			109			141		13				109
Link Speed (mph)		50			50			50			50	
Link Distance (ft)		810			1047			942			888	
Travel Time (s)		11.0			14.3			12.8			12.1	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	8%	8%	8%	9%	9%	9%	6%	6%	6%	9%	9%	9%
Adj. Flow (vph)	26	636	79	79	535	141	198	503	82	167	96	16
Shared Lane Traffic (%)												
Lane Group Flow (vph)	26	636	79	79	535	141	198	585	0	167	96	16
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA		Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Existing Conditions
Timing Plan: AM Peak Hour

Synchro 11 Report
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Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

Cajalco Road Widening
05/27/2025

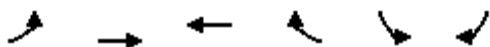
												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8						6
Detector Phase	7	4	4	3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0		5.0	10.0	10.0
Minimum Split (s)	11.0	46.0	46.0	11.0	46.0	46.0	11.0	16.0		11.0	46.0	46.0
Total Split (s)	16.0	56.0	56.0	17.0	57.0	57.0	26.0	52.0		25.0	51.0	51.0
Total Split (%)	10.7%	37.3%	37.3%	11.3%	38.0%	38.0%	17.3%	34.7%		16.7%	34.0%	34.0%
Maximum Green (s)	10.0	50.0	50.0	11.0	51.0	51.0	20.0	46.0		19.0	45.0	45.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None		None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0					5.0	5.0
Flash Dont Walk (s)		35.0	35.0		35.0	35.0					35.0	35.0
Pedestrian Calls (#/hr)		0	0		0	0					0	0
Act Effct Green (s)	9.3	30.8	30.8	10.2	34.6	34.6	22.0	28.4		13.6	24.9	24.9
Actuated g/C Ratio	0.09	0.30	0.30	0.10	0.33	0.33	0.21	0.27		0.13	0.24	0.24
v/c Ratio	0.18	0.64	0.15	0.25	0.48	0.24	0.28	0.64		0.40	0.12	0.04
Control Delay	55.6	36.7	3.1	52.8	31.4	6.3	45.3	37.8		49.1	33.1	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Delay	55.6	36.7	3.1	52.8	31.4	6.3	45.3	37.8		49.1	33.1	0.1
LOS	E	D	A	D	C	A	D	D		D	C	A
Approach Delay		33.8			28.9			39.7			40.8	
Approach LOS		C			C			D			D	
Queue Length 50th (ft)	17	197	0	25	158	0	63	181		54	26	0
Queue Length 95th (ft)	54	313	18	61	256	48	124	293		108	56	0
Internal Link Dist (ft)		730			967			862			808	
Turn Bay Length (ft)	150			225		425	100			350		300
Base Capacity (vph)	170	1703	815	360	1721	838	818	1570		622	1519	738
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Reduced v/c Ratio	0.15	0.37	0.10	0.22	0.31	0.17	0.24	0.37		0.27	0.06	0.02
Intersection Summary												
Area Type: Other												
Cycle Length: 150												
Actuated Cycle Length: 103.9												
Natural Cycle: 115												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.64												
Intersection Signal Delay: 34.9 Intersection LOS: C												
Intersection Capacity Utilization 61.5% ICU Level of Service B												
Analysis Period (min) 15												

Splits and Phases: 7: Harvill Ave & Cajalco Rd

 Ø1 25 s	 Ø2 52 s	 Ø3 17 s	 Ø4 56 s
 Ø5 26 s	 Ø6 51 s	 Ø7 16 s	 Ø8 57 s

Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

Cajalco Road Widening
05/27/2025



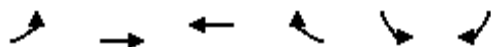
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	251	533	389	25	74	598
Future Volume (vph)	251	533	389	25	74	598
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			0	0	0
Storage Lanes	1			0	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.992		0.880	
Flt Protected	0.950				0.995	
Satd. Flow (prot)	1752	1845	1795	0	1664	0
Flt Permitted	0.950				0.995	
Satd. Flow (perm)	1752	1845	1795	0	1664	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			2		324	
Link Speed (mph)		55	55		55	
Link Distance (ft)		802	920		579	
Travel Time (s)		9.9	11.4		7.2	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	3%	3%	5%	5%	0%	0%
Adj. Flow (vph)	261	555	405	26	77	623
Shared Lane Traffic (%)						
Lane Group Flow (vph)	261	555	431	0	700	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2		1	
Detector Template	Left	Thru	Thru		Left	
Leading Detector (ft)	20	100	100		20	
Trailing Detector (ft)	0	0	0		0	
Detector 1 Position(ft)	0	0	0		0	
Detector 1 Size(ft)	20	6	6		20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0		0.0	
Detector 1 Queue (s)	0.0	0.0	0.0		0.0	
Detector 1 Delay (s)	0.0	0.0	0.0		0.0	
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA		Prot	
Protected Phases	7	4	8		6	

Existing Conditions
Timing Plan: PM Peak Hour

Synchro 11 Report
Page 1

Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

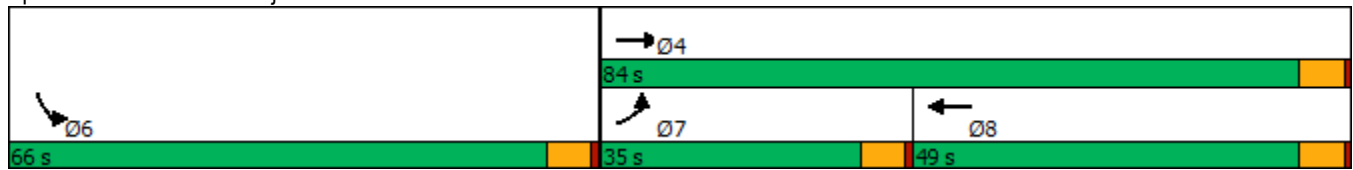
Cajalco Road Widening
05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases						
Detector Phase	7	4	8		6	
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0		10.0	
Minimum Split (s)	11.0	45.0	45.0		20.0	
Total Split (s)	35.0	84.0	49.0		66.0	
Total Split (%)	23.3%	56.0%	32.7%		44.0%	
Maximum Green (s)	29.0	78.0	43.0		60.0	
Yellow Time (s)	5.0	5.0	5.0		5.0	
All-Red Time (s)	1.0	1.0	1.0		1.0	
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	
Total Lost Time (s)	6.0	6.0	6.0		6.0	
Lead/Lag	Lead		Lag			
Lead-Lag Optimize?	Yes		Yes			
Vehicle Extension (s)	5.0	5.0	5.0		5.0	
Recall Mode	None	Min	Min		None	
Walk Time (s)			5.0			
Flash Dont Walk (s)			15.0			
Pedestrian Calls (#/hr)			0			
Act Effct Green (s)	24.5	66.5	35.6		42.3	
Actuated g/C Ratio	0.20	0.55	0.29		0.35	
v/c Ratio	0.74	0.55	0.82		0.89	
Control Delay	62.7	22.1	56.0		34.3	
Queue Delay	0.0	0.0	0.0		0.0	
Total Delay	62.7	22.1	56.0		34.3	
LOS	E	C	E		C	
Approach Delay		35.1	56.0		34.3	
Approach LOS		D	E		C	
Queue Length 50th (ft)	208	286	333		333	
Queue Length 95th (ft)	#370	483	#567		548	
Internal Link Dist (ft)		722	840		499	
Turn Bay Length (ft)	100					
Base Capacity (vph)	444	1256	675		1027	
Starvation Cap Reductn	0	0	0		0	
Spillback Cap Reductn	0	0	0		0	
Storage Cap Reductn	0	0	0		0	
Reduced v/c Ratio	0.59	0.44	0.64		0.68	
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 121.5						
Natural Cycle: 90						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.89						
Intersection Signal Delay: 39.4				Intersection LOS: D		
Intersection Capacity Utilization 91.9%				ICU Level of Service F		
Analysis Period (min) 15						
# 95th percentile volume exceeds capacity, queue may be longer.						

Queue shown is maximum after two cycles.

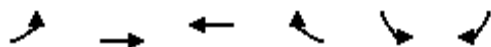
Splits and Phases: 1: Cajalco Rd & La Sierra Ave



Intersection						
Int Delay, s/veh	1.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑	↗	↖	↑	↘	
Traffic Vol, veh/h	374	265	13	300	60	13
Future Vol, veh/h	374	265	13	300	60	13
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	125	225	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	97	97	97	97	97	97
Heavy Vehicles, %	3	3	4	4	9	9
Mvmt Flow	386	273	13	309	62	13
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	659	0	721	386
Stage 1	-	-	-	-	386	-
Stage 2	-	-	-	-	335	-
Critical Hdwy	-	-	4.14	-	6.49	6.29
Critical Hdwy Stg 1	-	-	-	-	5.49	-
Critical Hdwy Stg 2	-	-	-	-	5.49	-
Follow-up Hdwy	-	-	2.236	-	3.581	3.381
Pot Cap-1 Maneuver	-	-	920	-	384	647
Stage 1	-	-	-	-	672	-
Stage 2	-	-	-	-	709	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	920	-	379	647
Mov Cap-2 Maneuver	-	-	-	-	379	-
Stage 1	-	-	-	-	672	-
Stage 2	-	-	-	-	699	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		0.4		15.8	
HCM LOS					C	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	409	-	-	920	-	
HCM Lane V/C Ratio	0.184	-	-	0.015	-	
HCM Control Delay (s)	15.8	-	-	9	-	
HCM Lane LOS	C	-	-	A	-	
HCM 95th %tile Q(veh)	0.7	-	-	0	-	

Lanes, Volumes, Timings
3: Cajalco Rd & El Sobrante Rd

Cajalco Road Widening
05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	18	377	328	255	646	20
Future Volume (vph)	18	377	328	255	646	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300			300	0	200
Storage Lanes	1			1	1	1
Taper Length (ft)	100				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1736	1827	1845	1568	1787	1599
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1736	1827	1845	1568	1787	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				266		15
Link Speed (mph)		55	55		55	
Link Distance (ft)		913	1001		472	
Travel Time (s)		11.3	12.4		5.9	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	4%	4%	3%	3%	1%	1%
Adj. Flow (vph)	19	393	342	266	673	21
Shared Lane Traffic (%)						
Lane Group Flow (vph)	19	393	342	266	673	21
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

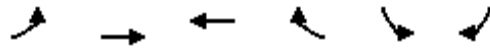
Existing Conditions
Timing Plan: PM Peak Hour

Synchro 11 Report
Page 5

Lanes, Volumes, Timings
3: Cajalco Rd & El Sobrante Rd

Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	26.0	26.0
Total Split (s)	12.0	62.0	50.0	50.0	88.0	88.0
Total Split (%)	8.0%	41.3%	33.3%	33.3%	58.7%	58.7%
Maximum Green (s)	6.0	56.0	44.0	44.0	82.0	82.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			18.0	18.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effct Green (s)	6.8	32.0	28.6	28.6	45.4	45.4
Actuated g/C Ratio	0.07	0.35	0.31	0.31	0.50	0.50
v/c Ratio	0.15	0.61	0.59	0.39	0.76	0.03
Control Delay	57.7	30.4	35.0	5.9	26.3	8.8
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.7	30.4	35.0	5.9	26.3	8.8
LOS	E	C	D	A	C	A
Approach Delay		31.7	22.3		25.8	
Approach LOS		C	C		C	
Queue Length 50th (ft)	10	181	152	0	250	1
Queue Length 95th (ft)	46	377	369	64	624	17
Internal Link Dist (ft)		833	921		392	
Turn Bay Length (ft)	300			300		200
Base Capacity (vph)	130	1249	1014	981	1525	1366
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.15	0.31	0.34	0.27	0.44	0.02
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 91.1						
Natural Cycle: 95						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.76						
Intersection Signal Delay: 26.0				Intersection LOS: C		
Intersection Capacity Utilization 65.6%				ICU Level of Service C		
Analysis Period (min) 15						

Splits and Phases: 3: Cajalco Rd & El Sobrante Rd



Lanes, Volumes, Timings
4: Smith Rd/Harley John Rd & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	63	800	4	8	576	150	7	4	3	298	4	139
Future Volume (vph)	63	800	4	8	576	150	7	4	3	298	4	139
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300		0	350		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	100			75			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.999			0.969			0.971			0.957	
Flt Protected	0.950			0.950				0.976			0.967	
Satd. Flow (prot)	1752	1843	0	1752	1787	0	0	1801	0	0	1741	0
Flt Permitted	0.950			0.950				0.976			0.967	
Satd. Flow (perm)	1752	1843	0	1752	1787	0	0	1801	0	0	1741	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					12			3			15	
Link Speed (mph)		50			50			35			50	
Link Distance (ft)		886			810			608			914	
Travel Time (s)		12.1			11.0			11.8			12.5	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	0%	0%	0%	1%	1%	1%
Adj. Flow (vph)	65	825	4	8	594	155	7	4	3	307	4	143
Shared Lane Traffic (%)												
Lane Group Flow (vph)	65	829	0	8	749	0	0	14	0	0	454	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA		Prot	NA		Split	NA		Split	NA	
Protected Phases	7	4		3	8		1	1		2	2	

Lanes, Volumes, Timings
4: Smith Rd/Harley John Rd & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases												
Detector Phase	7	4		3	8		1	1		2	2	
Switch Phase												
Minimum Initial (s)	5.0	10.0		5.0	10.0		10.0	10.0		10.0	10.0	
Minimum Split (s)	11.0	45.0		11.0	45.0		16.0	16.0		31.0	31.0	
Total Split (s)	12.0	76.0		11.0	75.0		16.0	16.0		47.0	47.0	
Total Split (%)	8.0%	50.7%		7.3%	50.0%		10.7%	10.7%		31.3%	31.3%	
Maximum Green (s)	6.0	70.0		5.0	69.0		10.0	10.0		41.0	41.0	
Yellow Time (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0			0.0			0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0			6.0			6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lead		Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Recall Mode	None	Min		None	Min		None	None		None	None	
Walk Time (s)		5.0			5.0					5.0	5.0	
Flash Dont Walk (s)		15.0			15.0					20.0	20.0	
Pedestrian Calls (#/hr)		0			0					0	0	
Act Effct Green (s)	6.2	70.0		5.1	59.6			10.3			38.8	
Actuated g/C Ratio	0.05	0.54		0.04	0.46			0.08			0.30	
v/c Ratio	0.77	0.83		0.11	0.90			0.10			0.85	
Control Delay	114.8	34.7		72.4	47.1			55.9			58.5	
Queue Delay	0.0	0.0		0.0	0.0			0.0			0.0	
Total Delay	114.8	34.7		72.4	47.1			55.9			58.5	
LOS	F	C		E	D			E			E	
Approach Delay		40.5			47.4			55.9			58.5	
Approach LOS		D			D			E			E	
Queue Length 50th (ft)	55	492		7	519			9			335	
Queue Length 95th (ft)	#166	#1065		28	#925			35			#639	
Internal Link Dist (ft)		806			730			528			834	
Turn Bay Length (ft)	300			350								
Base Capacity (vph)	84	1074		70	991			146			581	
Starvation Cap Reductn	0	0		0	0			0			0	
Spillback Cap Reductn	0	0		0	0			0			0	
Storage Cap Reductn	0	0		0	0			0			0	
Reduced v/c Ratio	0.77	0.77		0.11	0.76			0.10			0.78	
Intersection Summary												
Area Type:	Other											
Cycle Length: 150												
Actuated Cycle Length: 128.5												
Natural Cycle: 125												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.90												
Intersection Signal Delay: 46.9						Intersection LOS: D						
Intersection Capacity Utilization 93.4%						ICU Level of Service F						
Analysis Period (min) 15												
# 95th percentile volume exceeds capacity, queue may be longer.												

Queue shown is maximum after two cycles.

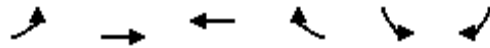
Splits and Phases: 4: Smith Rd/Harley John Rd & Cajalco Rd

 Ø1	 Ø2	 Ø3	 Ø4
16 s	47 s	11 s	76 s
		 Ø7	 Ø8
		12 s	75 s

Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	200	924	557	66	80	172
Future Volume (vph)	200	924	557	66	80	172
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	325			0	275	0
Storage Lanes	1			1	1	1
Taper Length (ft)	150				125	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1845	1568	1787	1599
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1845	1568	1787	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				61		181
Link Speed (mph)		50	50		50	
Link Distance (ft)		832	934		692	
Travel Time (s)		11.3	12.7		9.4	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	2%	2%	3%	3%	1%	1%
Adj. Flow (vph)	211	973	586	69	84	181
Shared Lane Traffic (%)						
Lane Group Flow (vph)	211	973	586	69	84	181
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

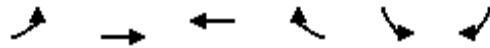
Existing Conditions
Timing Plan: PM Peak Hour

Synchro 11 Report
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Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

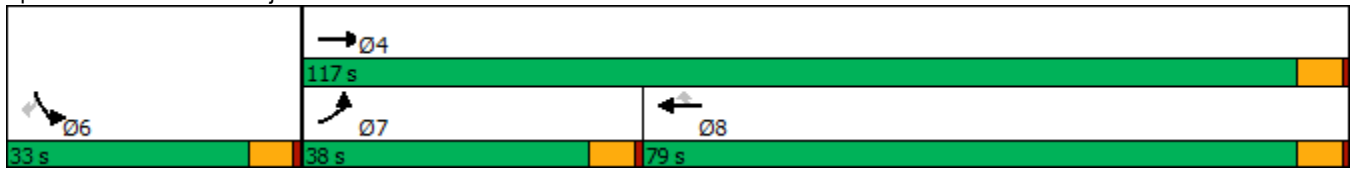
Cajalco Road Widening

05/27/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	30.0	30.0
Total Split (s)	38.0	117.0	79.0	79.0	33.0	33.0
Total Split (%)	25.3%	78.0%	52.7%	52.7%	22.0%	22.0%
Maximum Green (s)	32.0	111.0	73.0	73.0	27.0	27.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			15.0	15.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effct Green (s)	19.1	63.9	38.4	38.4	12.9	12.9
Actuated g/C Ratio	0.21	0.71	0.43	0.43	0.14	0.14
v/c Ratio	0.56	0.73	0.74	0.10	0.33	0.47
Control Delay	40.3	11.2	28.1	5.6	43.9	11.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	40.3	11.2	28.1	5.6	43.9	11.2
LOS	D	B	C	A	D	B
Approach Delay		16.4	25.7		21.6	
Approach LOS		B	C		C	
Queue Length 50th (ft)	102	255	253	2	42	0
Queue Length 95th (ft)	230	466	480	29	114	66
Internal Link Dist (ft)		752	854		612	
Turn Bay Length (ft)	325				275	
Base Capacity (vph)	669	1823	1532	1313	570	633
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.32	0.53	0.38	0.05	0.15	0.29
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 89.4						
Natural Cycle: 90						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.74						
Intersection Signal Delay: 20.0				Intersection LOS: B		
Intersection Capacity Utilization 67.0%				ICU Level of Service C		
Analysis Period (min) 15						

Splits and Phases: 5: Cajalco Rd & Wood Rd



Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	23	637	84	136	595	52	92	138	68	40	201	23
Future Volume (vph)	23	637	84	136	595	52	92	138	68	40	201	23
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	225		225	225		225	150		150	250		125
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	75			75			125			50		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1752	3505	1568	1752	3505	1568	3400	1845	1568	1770	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1752	3505	1568	1752	3505	1568	3400	1845	1568	1770	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			153			109			153			153
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		493			567			619			693	
Travel Time (s)		7.5			8.6			10.6			11.8	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	2%	2%	2%
Adj. Flow (vph)	24	664	88	142	620	54	96	144	71	42	209	24
Shared Lane Traffic (%)												
Lane Group Flow (vph)	24	664	88	142	620	54	96	144	71	42	209	24
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2	1	1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100	20	20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6	20	20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Existing Conditions
Timing Plan: PM Peak Hour

Synchro 11 Report
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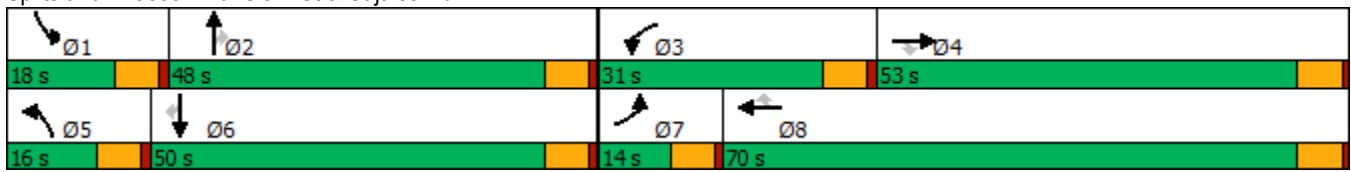
Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	11.0	45.0	45.0	11.0	40.0	40.0	16.0	40.0	40.0
Total Split (s)	14.0	53.0	53.0	31.0	70.0	70.0	16.0	48.0	48.0	18.0	50.0	50.0
Total Split (%)	9.3%	35.3%	35.3%	20.7%	46.7%	46.7%	10.7%	32.0%	32.0%	12.0%	33.3%	33.3%
Maximum Green (s)	8.0	47.0	47.0	25.0	64.0	64.0	10.0	42.0	42.0	12.0	44.0	44.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0
Flash Dont Walk (s)		20.0	20.0		20.0	20.0		25.0	25.0		25.0	25.0
Pedestrian Calls (#/hr)		0	0		0	0		0	0		0	0
Act Effct Green (s)	8.1	29.7	29.7	16.0	47.1	47.1	9.7	26.1	26.1	9.9	19.3	19.3
Actuated g/C Ratio	0.08	0.30	0.30	0.16	0.47	0.47	0.10	0.26	0.26	0.10	0.19	0.19
v/c Ratio	0.17	0.64	0.15	0.51	0.37	0.07	0.29	0.30	0.14	0.24	0.58	0.06
Control Delay	53.0	34.0	0.6	47.7	19.1	0.2	49.4	37.6	0.5	50.7	45.3	0.3
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	53.0	34.0	0.6	47.7	19.1	0.2	49.4	37.6	0.5	50.7	45.3	0.3
LOS	D	C	A	D	B	A	D	D	A	D	D	A
Approach Delay		30.8			22.8			32.8			42.2	
Approach LOS		C			C			C			D	
Queue Length 50th (ft)	14	187	0	82	113	0	28	79	0	25	119	0
Queue Length 95th (ft)	49	301	0	173	225	0	69	169	0	71	234	0
Internal Link Dist (ft)		413			487			539			613	
Turn Bay Length (ft)	225		225	225		225	150		150	250		125
Base Capacity (vph)	145	1709	843	454	2327	1078	352	804	769	220	850	805
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.17	0.39	0.10	0.31	0.27	0.05	0.27	0.18	0.09	0.19	0.25	0.03
Intersection Summary												
Area Type: Other												
Cycle Length: 150												
Actuated Cycle Length: 99.5												
Natural Cycle: 115												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.64												
Intersection Signal Delay: 29.5 Intersection LOS: C												
Intersection Capacity Utilization 59.9% ICU Level of Service B												
Analysis Period (min) 15												

Splits and Phases: 6: Clark St & Cajalco Rd



Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

Cajalco Road Widening

05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	8	771	141	86	546	177	131	120	81	258	234	11
Future Volume (vph)	8	771	141	86	546	177	131	120	81	258	234	11
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	225		425	100		0	350		300
Storage Lanes	1		1	2		1	2		0	2		1
Taper Length (ft)	75			125			75			100		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	0.97	0.95	0.95	0.97	0.95	1.00
Frt			0.850			0.850		0.939				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1752	3505	1568	3303	3406	1524	3303	3198	0	3367	3471	1553
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1752	3505	1568	3303	3406	1524	3303	3198	0	3367	3471	1553
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			153			182		84				109
Link Speed (mph)		50			50			50			50	
Link Distance (ft)		810			1047			942			888	
Travel Time (s)		11.0			14.3			12.8			12.1	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	3%	3%	6%	6%	6%	6%	6%	6%	4%	4%	4%
Adj. Flow (vph)	8	795	145	89	563	182	135	124	84	266	241	11
Shared Lane Traffic (%)												
Lane Group Flow (vph)	8	795	145	89	563	182	135	208	0	266	241	11
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA		Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Existing Conditions
Timing Plan: PM Peak Hour

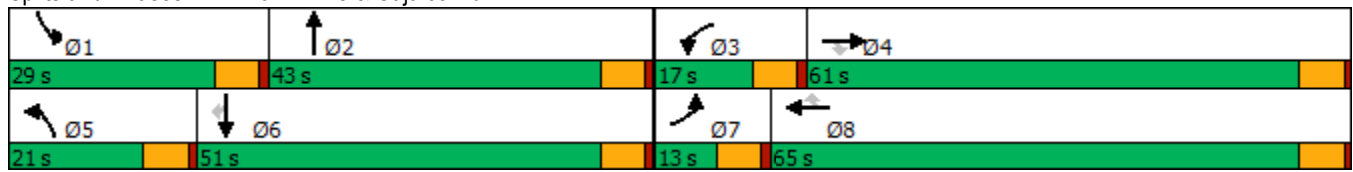
Synchro 11 Report
Page 17

Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

Cajalco Road Widening
05/27/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8						6
Detector Phase	7	4	4	3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0		5.0	10.0	10.0
Minimum Split (s)	11.0	46.0	46.0	11.0	46.0	46.0	11.0	16.0		11.0	46.0	46.0
Total Split (s)	13.0	61.0	61.0	17.0	65.0	65.0	21.0	43.0		29.0	51.0	51.0
Total Split (%)	8.7%	40.7%	40.7%	11.3%	43.3%	43.3%	14.0%	28.7%		19.3%	34.0%	34.0%
Maximum Green (s)	7.0	55.0	55.0	11.0	59.0	59.0	15.0	37.0		23.0	45.0	45.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None		None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0					5.0	5.0
Flash Dont Walk (s)		35.0	35.0		35.0	35.0					35.0	35.0
Pedestrian Calls (#/hr)		0	0		0	0					0	0
Act Effct Green (s)	7.3	34.3	34.3	10.2	44.5	44.5	11.9	12.3		15.7	16.2	16.2
Actuated g/C Ratio	0.08	0.37	0.37	0.11	0.48	0.48	0.13	0.13		0.17	0.17	0.17
v/c Ratio	0.06	0.62	0.22	0.25	0.35	0.22	0.32	0.42		0.47	0.40	0.03
Control Delay	50.1	27.5	4.2	45.9	16.6	3.4	43.8	28.0		41.0	39.6	0.2
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Delay	50.1	27.5	4.2	45.9	16.6	3.4	43.8	28.0		41.0	39.6	0.2
LOS	D	C	A	D	B	A	D	C		D	D	A
Approach Delay		24.1			16.9			34.2			39.5	
Approach LOS		C			B			C			D	
Queue Length 50th (ft)	5	206	0	25	95	0	38	36		75	69	0
Queue Length 95th (ft)	23	310	37	60	198	42	81	84		139	127	0
Internal Link Dist (ft)		730			967			862			808	
Turn Bay Length (ft)	150			225		425	100			350		300
Base Capacity (vph)	137	2163	1026	407	2255	1070	556	1377		869	1753	838
Starvation Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0		0	0	0
Reduced v/c Ratio	0.06	0.37	0.14	0.22	0.25	0.17	0.24	0.15		0.31	0.14	0.01
Intersection Summary												
Area Type:	Other											
Cycle Length: 150												
Actuated Cycle Length: 93.5												
Natural Cycle: 115												
Control Type: Actuated-Uncoordinated												
Maximum v/c Ratio: 0.62												
Intersection Signal Delay: 26.2						Intersection LOS: C						
Intersection Capacity Utilization 61.2%						ICU Level of Service B						
Analysis Period (min) 15												

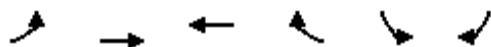
Splits and Phases: 7: Harvill Ave & Cajalco Rd



Future Year 2048 With Alternative 1

Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

05/28/2025

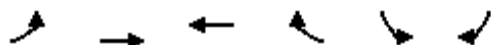


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	315	755	1870	30	15	270
Future Volume (vph)	315	755	1870	30	15	270
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			225	0	0
Storage Lanes	1			1	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Frt				0.850	0.872	
Flt Protected	0.950				0.997	
Satd. Flow (prot)	1703	3406	3438	1538	1604	0
Flt Permitted	0.950				0.997	
Satd. Flow (perm)	1703	3406	3438	1538	1604	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				17	276	
Link Speed (mph)		55	55		55	
Link Distance (ft)		802	920		579	
Travel Time (s)		9.9	11.4		7.2	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	6%	6%	5%	5%	3%	3%
Adj. Flow (vph)	321	770	1908	31	15	276
Shared Lane Traffic (%)						
Lane Group Flow (vph)	321	770	1908	31	291	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	
Detector Template	Left	Thru	Thru	Right	Left	
Leading Detector (ft)	20	100	100	20	20	
Trailing Detector (ft)	0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0	
Detector 1 Size(ft)	20	6	6	20	20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings

1: Cajalco Rd & La Sierra Ave

05/28/2025

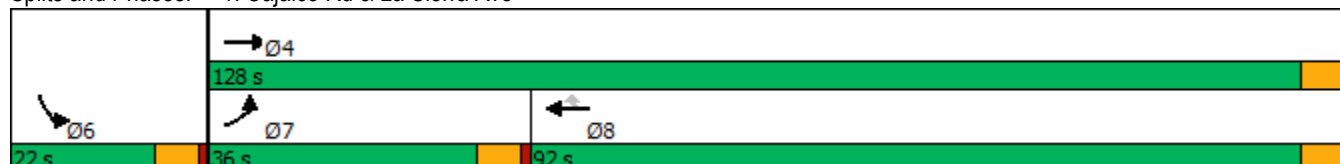


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		
Detector Phase	7	4	8	8	6	
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	
Minimum Split (s)	11.0	45.0	45.0	45.0	20.0	
Total Split (s)	36.0	128.0	92.0	92.0	22.0	
Total Split (%)	24.0%	85.3%	61.3%	61.3%	14.7%	
Maximum Green (s)	30.0	122.0	86.0	86.0	16.0	
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	
Recall Mode	None	Min	Min	Min	None	
Walk Time (s)			5.0	5.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effect Green (s)	29.8	121.8	86.0	86.0	11.9	
Actuated g/C Ratio	0.20	0.84	0.59	0.59	0.08	
v/c Ratio	0.93	0.27	0.94	0.03	0.76	
Control Delay	89.2	2.9	38.2	7.8	21.9	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	89.2	2.9	38.2	7.8	21.9	
LOS	F	A	D	A	C	
Approach Delay		28.3	37.7		21.9	
Approach LOS		C	D		C	

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 145.7
Natural Cycle: 110
Control Type: Actuated-Uncoordinated
Maximum v/c Ratio: 0.94
Intersection Signal Delay: 33.2
Intersection LOS: C
Intersection Capacity Utilization 101.7%
ICU Level of Service G
Analysis Period (min) 15

Splits and Phases: 1: Cajalco Rd & La Sierra Ave



Lanes, Volumes, Timings
2: Lake Mathews Dr & Cajalco Rd

05/28/2025

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	705	55	10	1190	750	45
Future Volume (vph)	705	55	10	1190	750	45
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		125	225		0	0
Storage Lanes		1	1		1	0
Taper Length (ft)			75		25	
Lane Util. Factor	0.95	1.00	1.00	0.95	1.00	1.00
Frt		0.850			0.992	
Flt Protected			0.950		0.955	
Satd. Flow (prot)	3312	1482	1687	3374	1748	0
Flt Permitted			0.261		0.955	
Satd. Flow (perm)	3312	1482	463	3374	1748	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		36			3	
Link Speed (mph)	55			55	30	
Link Distance (ft)	865			874	789	
Travel Time (s)	10.7			10.8	17.9	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	9%	9%	7%	7%	3%	3%
Adj. Flow (vph)	734	57	10	1240	781	47
Shared Lane Traffic (%)						
Lane Group Flow (vph)	734	57	10	1240	828	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2	1	1	2	1	
Detector Template	Thru	Right	Left	Thru	Left	
Leading Detector (ft)	100	20	20	100	20	
Trailing Detector (ft)	0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0	
Detector 1 Size(ft)	6	20	20	6	20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	Cl+Ex			Cl+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA	Perm	Perm	NA	Prot	
Protected Phases	4			8	2	

Lanes, Volumes, Timings
2: Lake Mathews Dr & Cajalco Rd

05/28/2025

	→	↘	↙	←	↖	↗
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Permitted Phases		4	8			
Detector Phase	4	4	8	8	2	
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	
Total Split (s)	66.6	66.6	66.6	66.6	83.4	
Total Split (%)	44.4%	44.4%	44.4%	44.4%	55.6%	
Maximum Green (s)	62.1	62.1	62.1	62.1	78.9	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Recall Mode	None	None	None	None	Min	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	
Act Effect Green (s)	54.6	54.6	54.6	54.6	67.7	
Actuated g/C Ratio	0.41	0.41	0.41	0.41	0.51	
v/c Ratio	0.53	0.09	0.05	0.89	0.92	
Control Delay	31.7	12.9	27.3	45.6	46.6	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	31.7	12.9	27.3	45.6	46.6	
LOS	C	B	C	D	D	
Approach Delay	30.3			45.5	46.6	
Approach LOS	C			D	D	

Intersection Summary

Area Type: Other
Cycle Length: 150
Actuated Cycle Length: 131.6
Natural Cycle: 70
Control Type: Actuated-Uncoordinated
Maximum v/c Ratio: 0.92
Intersection Signal Delay: 41.6
Intersection LOS: D
Intersection Capacity Utilization 84.7%
ICU Level of Service E
Analysis Period (min) 15

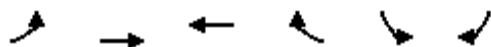
Splits and Phases: 2: Lake Mathews Dr & Cajalco Rd

↖ Ø2	→ Ø4
83.4 s	66.6 s
	↖ Ø8
	66.6 s

Lanes, Volumes, Timings

3: Cajalco Rd & El Sobrante Rd

05/28/2025

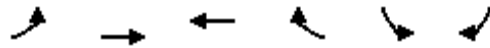


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	65	760	1200	835	320	20
Future Volume (vph)	65	760	1200	835	320	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300			300	0	200
Storage Lanes	1			1	2	1
Taper Length (ft)	100				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	0.97	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1671	3343	3471	1553	3367	1553
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1671	3343	3471	1553	3367	1553
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				858		21
Link Speed (mph)		55	55		55	
Link Distance (ft)		913	1001		472	
Travel Time (s)		11.3	12.4		5.9	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	8%	8%	4%	4%	4%	4%
Adj. Flow (vph)	68	800	1263	879	337	21
Shared Lane Traffic (%)						
Lane Group Flow (vph)	68	800	1263	879	337	21
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		24	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings

3: Cajalco Rd & El Sobrante Rd

05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	26.0	26.0
Total Split (s)	21.0	118.0	97.0	97.0	32.0	32.0
Total Split (%)	14.0%	78.7%	64.7%	64.7%	21.3%	21.3%
Maximum Green (s)	15.0	112.0	91.0	91.0	26.0	26.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag		Lag	
Lead-Lag Optimize?	Yes		Yes		Yes	
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			18.0	18.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effect Green (s)	12.6	95.2	81.0	81.0	20.6	20.6
Actuated g/C Ratio	0.10	0.74	0.63	0.63	0.16	0.16
v/c Ratio	0.41	0.32	0.58	0.68	0.63	0.08
Control Delay	70.0	5.9	16.3	4.0	59.3	19.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	70.0	5.9	16.3	4.0	59.3	19.7
LOS	E	A	B	A	E	B
Approach Delay		10.9	11.2		57.0	
Approach LOS		B	B		E	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 128.6

Natural Cycle: 85

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.68

Intersection Signal Delay: 16.0

Intersection LOS: B

Intersection Capacity Utilization 65.9%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 3: Cajalco Rd & El Sobrante Rd



Lanes, Volumes, Timings

4: Smith Rd/Harley John Rd & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	355	1095	5	5	1430	205	10	5	10	160	5	100
Future Volume (vph)	355	1095	5	5	1430	205	10	5	10	160	5	100
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300		0	350		0	0		0	300		0
Storage Lanes	1		0	1		0	0		0	1		0
Taper Length (ft)	100			75			25			125		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.999			0.981			0.946			0.857	
Flt Protected	0.950			0.950				0.980		0.950		
Satd. Flow (prot)	1736	3468	0	1719	3373	0	0	1761	0	1719	1551	0
Flt Permitted	0.950			0.950				0.980		0.950		
Satd. Flow (perm)	1736	3468	0	1719	3373	0	0	1761	0	1719	1551	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					13			10			102	
Link Speed (mph)		50			50			35			50	
Link Distance (ft)		886			810			608			914	
Travel Time (s)		12.1			11.0			11.8			12.5	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Heavy Vehicles (%)	4%	4%	4%	5%	5%	5%	0%	0%	0%	5%	5%	5%
Adj. Flow (vph)	362	1117	5	5	1459	209	10	5	10	163	5	102
Shared Lane Traffic (%)												
Lane Group Flow (vph)	362	1122	0	5	1668	0	0	25	0	163	107	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA		Prot	NA		Split	NA		Split	NA	
Protected Phases	7	4		3	8		1	1		2	2	

Lanes, Volumes, Timings

4: Smith Rd/Harley John Rd & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases												
Detector Phase	7	4		3	8		1	1		2	2	
Switch Phase												
Minimum Initial (s)	5.0	10.0		5.0	10.0		10.0	10.0		10.0	10.0	
Minimum Split (s)	11.0	45.0		11.0	45.0		16.0	16.0		31.0	31.0	
Total Split (s)	33.0	91.0		11.0	69.0		16.0	16.0		32.0	32.0	
Total Split (%)	22.0%	60.7%		7.3%	46.0%		10.7%	10.7%		21.3%	21.3%	
Maximum Green (s)	27.0	85.0		5.0	63.0		10.0	10.0		26.0	26.0	
Yellow Time (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0			6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lead		Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Recall Mode	None	Min		None	Min		None	None		None	None	
Walk Time (s)		5.0			5.0					5.0	5.0	
Flash Dont Walk (s)		15.0			15.0					20.0	20.0	
Pedestrian Calls (#/hr)		0			0					0	0	
Act Effect Green (s)	27.2	94.8		5.0	63.5			10.1		19.7	19.7	
Actuated g/C Ratio	0.20	0.69		0.04	0.46			0.07		0.14	0.14	
v/c Ratio	1.06	0.47		0.08	1.07			0.18		0.66	0.35	
Control Delay	116.5	13.0		72.4	78.9			48.3		70.2	13.9	
Queue Delay	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Total Delay	116.5	13.0		72.4	78.9			48.3		70.2	13.9	
LOS	F	B		E	E			D		E	B	
Approach Delay		38.2			78.8			48.3			47.9	
Approach LOS		D			E			D			D	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 137.6

Natural Cycle: 145

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 1.07

Intersection Signal Delay: 58.7

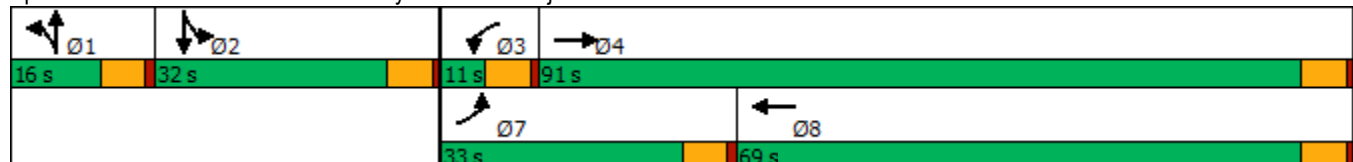
Intersection LOS: E

Intersection Capacity Utilization 96.3%

ICU Level of Service F

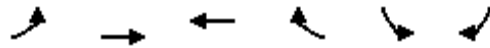
Analysis Period (min) 15

Splits and Phases: 4: Smith Rd/Harley John Rd & Cajalco Rd



Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

05/28/2025

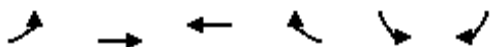


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	275	995	1330	395	140	220
Future Volume (vph)	275	995	1330	395	140	220
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	325			275	275	0
Storage Lanes	2			1	1	1
Taper Length (ft)	150				125	
Lane Util. Factor	0.97	0.95	0.95	1.00	0.97	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3335	3438	3406	1524	3433	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3335	3438	3406	1524	3433	1583
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				364		237
Link Speed (mph)		50	50		50	
Link Distance (ft)		832	934		692	
Travel Time (s)		11.3	12.7		9.4	
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Heavy Vehicles (%)	5%	5%	6%	6%	2%	2%
Adj. Flow (vph)	296	1070	1430	425	151	237
Shared Lane Traffic (%)						
Lane Group Flow (vph)	296	1070	1430	425	151	237
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		24	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings

5: Cajalco Rd & Wood Rd

05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	30.0	30.0
Total Split (s)	28.0	117.0	89.0	89.0	33.0	33.0
Total Split (%)	18.7%	78.0%	59.3%	59.3%	22.0%	22.0%
Maximum Green (s)	22.0	111.0	83.0	83.0	27.0	27.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			15.0	15.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effect Green (s)	18.3	98.8	74.4	74.4	13.4	13.4
Actuated g/C Ratio	0.15	0.79	0.60	0.60	0.11	0.11
v/c Ratio	0.61	0.39	0.70	0.40	0.41	0.62
Control Delay	57.3	4.3	19.9	3.4	57.9	14.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	57.3	4.3	19.9	3.4	57.9	14.4
LOS	E	A	B	A	E	B
Approach Delay		15.8	16.2		31.3	
Approach LOS		B	B		C	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 124.5

Natural Cycle: 90

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 17.7

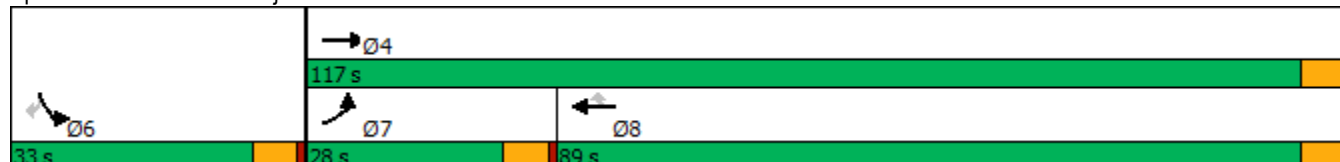
Intersection LOS: B

Intersection Capacity Utilization 67.9%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 5: Cajalco Rd & Wood Rd



Lanes, Volumes, Timings

6: Clark St & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	75	1055	70	100	1335	240	120	320	135	115	95	55
Future Volume (vph)	75	1055	70	100	1335	240	120	320	135	115	95	55
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	225		225	225		225	150		150	250		125
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	75			75			125			50		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1671	3343	1495	1703	3406	1524	3303	1792	1524	1719	1810	1538
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1671	3343	1495	1703	3406	1524	3303	1792	1524	1719	1810	1538
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			109			146			109			109
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		493			567			619			693	
Travel Time (s)		7.5			8.6			10.6			11.8	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	8%	8%	8%	6%	6%	6%	6%	6%	6%	5%	5%	5%
Adj. Flow (vph)	77	1088	72	103	1376	247	124	330	139	119	98	57
Shared Lane Traffic (%)												
Lane Group Flow (vph)	77	1088	72	103	1376	247	124	330	139	119	98	57
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2	1	1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100	20	20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6	20	20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	11.0	45.0	45.0	11.0	40.0	40.0	16.0	40.0	40.0
Total Split (s)	16.0	70.0	70.0	18.0	72.0	72.0	16.0	42.0	42.0	20.0	46.0	46.0
Total Split (%)	10.7%	46.7%	46.7%	12.0%	48.0%	48.0%	10.7%	28.0%	28.0%	13.3%	30.7%	30.7%
Maximum Green (s)	10.0	64.0	64.0	12.0	66.0	66.0	10.0	36.0	36.0	14.0	40.0	40.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0
Flash Dont Walk (s)		20.0	20.0		20.0	20.0		25.0	25.0		25.0	25.0
Pedestrian Calls (#/hr)		0	0		0	0		0	0		0	0
Act Effect Green (s)	9.9	62.9	62.9	11.8	64.8	64.8	9.9	32.1	32.1	13.6	35.7	35.7
Actuated g/C Ratio	0.07	0.44	0.44	0.08	0.45	0.45	0.07	0.22	0.22	0.09	0.25	0.25
v/c Ratio	0.67	0.75	0.10	0.74	0.90	0.32	0.55	0.83	0.33	0.74	0.22	0.12
Control Delay	94.6	38.7	1.4	95.6	46.6	11.8	76.1	72.1	15.0	91.0	44.6	0.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	94.6	38.7	1.4	95.6	46.6	11.8	76.1	72.1	15.0	91.0	44.6	0.5
LOS	F	D	A	F	D	B	E	E	B	F	D	A
Approach Delay		40.0			44.6			59.6			55.6	
Approach LOS		D			D			E			E	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 144.5

Natural Cycle: 115

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.90

Intersection Signal Delay: 46.2

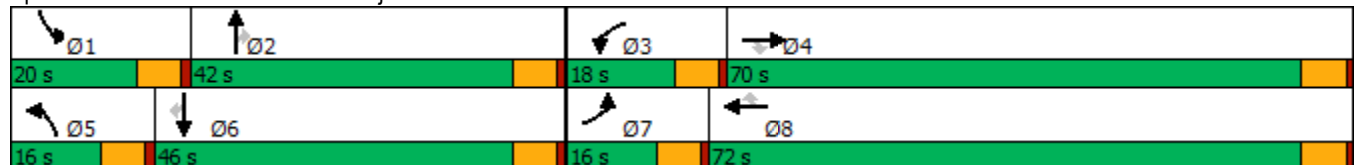
Intersection LOS: D

Intersection Capacity Utilization 84.3%

ICU Level of Service E

Analysis Period (min) 15

Splits and Phases: 6: Clark St & Cajalco Rd



Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	160	980	175	40	995	175	460	775	35	155	125	85
Future Volume (vph)	160	980	175	40	995	175	460	775	35	155	125	85
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	225		425	100		0	350		300
Storage Lanes	1		1	2		1	2		0	2		1
Taper Length (ft)	75			125			75			100		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	0.97	0.95	0.95	0.97	0.95	1.00
Frt			0.850			0.850		0.994				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1671	3343	1495	3213	3312	1482	3303	3385	0	3213	3312	1482
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1671	3343	1495	3213	3312	1482	3303	3385	0	3213	3312	1482
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			153			196			3			196
Link Speed (mph)		50			50			50			50	
Link Distance (ft)		810			1047			942			888	
Travel Time (s)		11.0			14.3			12.8			12.1	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	8%	8%	8%	9%	9%	9%	6%	6%	6%	9%	9%	9%
Adj. Flow (vph)	167	1021	182	42	1036	182	479	807	36	161	130	89
Shared Lane Traffic (%)												
Lane Group Flow (vph)	167	1021	182	42	1036	182	479	843	0	161	130	89
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA		Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

05/28/2025

	↖	→	↘	↙	←	↖	↙	↑	↗	↘	↓	↙
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8						6
Detector Phase	7	4	4	3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0		5.0	10.0	10.0
Minimum Split (s)	11.0	46.0	46.0	11.0	46.0	46.0	11.0	16.0		11.0	46.0	46.0
Total Split (s)	21.0	63.0	63.0	11.0	53.0	53.0	28.0	57.0		19.0	48.0	48.0
Total Split (%)	14.0%	42.0%	42.0%	7.3%	35.3%	35.3%	18.7%	38.0%		12.7%	32.0%	32.0%
Maximum Green (s)	15.0	57.0	57.0	5.0	47.0	47.0	22.0	51.0		13.0	42.0	42.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None		None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0					5.0	5.0
Flash Dont Walk (s)		35.0	35.0		35.0	35.0					35.0	35.0
Pedestrian Calls (#/hr)		0	0		0	0					0	0
Act Effect Green (s)	15.0	59.5	59.5	5.0	47.1	47.1	22.1	44.5		12.5	34.9	34.9
Actuated g/C Ratio	0.10	0.42	0.42	0.03	0.33	0.33	0.15	0.31		0.09	0.24	0.24
v/c Ratio	0.95	0.73	0.26	0.38	0.95	0.29	0.94	0.80		0.58	0.16	0.17
Control Delay	120.2	40.9	7.9	79.7	65.1	5.0	87.8	51.4		72.7	42.3	0.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Delay	120.2	40.9	7.9	79.7	65.1	5.0	87.8	51.4		72.7	42.3	0.7
LOS	F	D	A	E	E	A	F	D		E	D	A
Approach Delay		46.1			56.9			64.6			45.4	
Approach LOS		D			E			E			D	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 143.2

Natural Cycle: 135

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.95

Intersection Signal Delay: 54.8

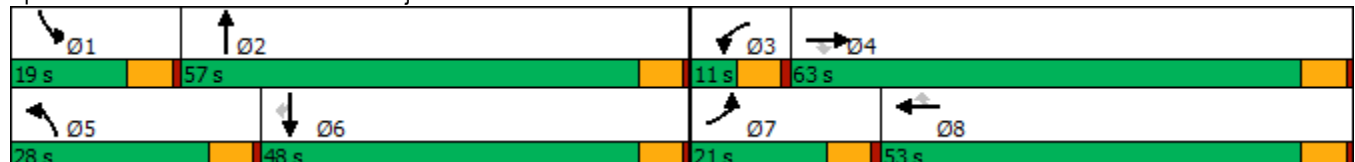
Intersection LOS: D

Intersection Capacity Utilization 83.3%

ICU Level of Service E

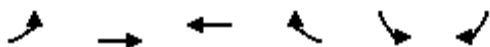
Analysis Period (min) 15

Splits and Phases: 7: Harvill Ave & Cajalco Rd



Lanes, Volumes, Timings
1: Cajalco Rd & La Sierra Ave

05/28/2025

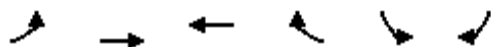


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	330	1160	950	40	95	770
Future Volume (vph)	330	1160	950	40	95	770
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			225	0	0
Storage Lanes	1			1	1	0
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	1.00	1.00
Frt				0.850	0.880	
Flt Protected	0.950				0.995	
Satd. Flow (prot)	1752	3505	3438	1538	1664	0
Flt Permitted	0.950				0.995	
Satd. Flow (perm)	1752	3505	3438	1538	1664	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				27	328	
Link Speed (mph)		55	55		55	
Link Distance (ft)		802	920		579	
Travel Time (s)		9.9	11.4		7.2	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	3%	3%	5%	5%	0%	0%
Adj. Flow (vph)	344	1208	990	42	99	802
Shared Lane Traffic (%)						
Lane Group Flow (vph)	344	1208	990	42	901	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	
Detector Template	Left	Thru	Thru	Right	Left	
Leading Detector (ft)	20	100	100	20	20	
Trailing Detector (ft)	0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0	
Detector 1 Size(ft)	20	6	6	20	20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings

1: Cajalco Rd & La Sierra Ave

05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases	8					
Detector Phase	7	4	8	8	6	
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	
Minimum Split (s)	11.0	45.0	45.0	45.0	20.0	
Total Split (s)	35.0	83.0	48.0	48.0	67.0	
Total Split (%)	23.3%	55.3%	32.0%	32.0%	44.7%	
Maximum Green (s)	29.0	77.0	42.0	42.0	61.0	
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	
Lead/Lag	Lead		Lag		Lag	
Lead-Lag Optimize?	Yes		Yes		Yes	
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	
Recall Mode	None	Min	Min	Min	None	
Walk Time (s)			5.0	5.0		
Flash Dont Walk (s)			15.0	15.0		
Pedestrian Calls (#/hr)			0	0		
Act Effect Green (s)	29.0	77.0	42.0	42.0	61.0	
Actuated g/C Ratio	0.19	0.51	0.28	0.28	0.41	
v/c Ratio	1.02	0.67	1.03	0.09	1.03	
Control Delay	112.0	29.4	88.8	20.0	67.4	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	112.0	29.4	88.8	20.0	67.4	
LOS	F	C	F	C	E	
Approach Delay	47.7		86.0	67.4		
Approach LOS	D		F	E		

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 150

Natural Cycle: 120

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 1.03

Intersection Signal Delay: 64.2

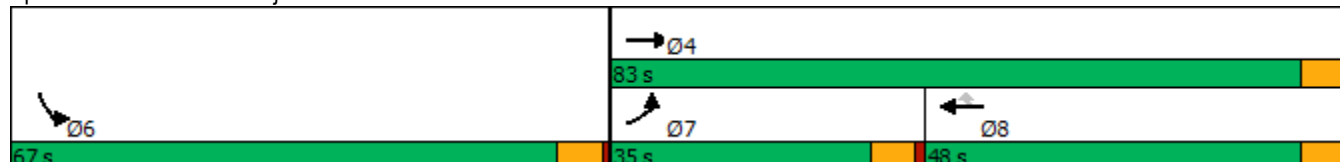
Intersection LOS: E

Intersection Capacity Utilization 112.4%

ICU Level of Service H

Analysis Period (min) 15

Splits and Phases: 1: Cajalco Rd & La Sierra Ave



Lanes, Volumes, Timings
2: Lake Mathews Dr & Cajalco Rd

05/28/2025

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (vph)	995	285	20	840	85	25
Future Volume (vph)	995	285	20	840	85	25
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		125	225		0	0
Storage Lanes		1	1		1	0
Taper Length (ft)			75		25	
Lane Util. Factor	0.95	1.00	1.00	0.95	1.00	1.00
Frt		0.850			0.969	
Flt Protected			0.950		0.963	
Satd. Flow (prot)	3505	1568	1736	3471	1627	0
Flt Permitted			0.239		0.963	
Satd. Flow (perm)	3505	1568	437	3471	1627	0
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		248			10	
Link Speed (mph)	55			55	30	
Link Distance (ft)	865			874	789	
Travel Time (s)	10.7			10.8	17.9	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	3%	4%	4%	9%	9%
Adj. Flow (vph)	1026	294	21	866	88	26
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1026	294	21	866	114	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2	1	1	2	1	
Detector Template	Thru	Right	Left	Thru	Left	
Leading Detector (ft)	100	20	20	100	20	
Trailing Detector (ft)	0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0	
Detector 1 Size(ft)	6	20	20	6	20	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	Cl+Ex			Cl+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA	Perm	Perm	NA	Prot	
Protected Phases	4			8	2	

Lanes, Volumes, Timings
2: Lake Mathews Dr & Cajalco Rd

05/28/2025

						
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Permitted Phases		4	8			
Detector Phase	4	4	8	8	2	
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	
Total Split (s)	107.0	107.0	107.0	107.0	43.0	
Total Split (%)	71.3%	71.3%	71.3%	71.3%	28.7%	
Maximum Green (s)	102.5	102.5	102.5	102.5	38.5	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Recall Mode	None	None	None	None	Min	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	
Act Effct Green (s)	21.1	21.1	21.1	21.1	8.6	
Actuated g/C Ratio	0.54	0.54	0.54	0.54	0.22	
v/c Ratio	0.54	0.31	0.09	0.46	0.31	
Control Delay	7.0	2.2	5.5	6.4	15.9	
Queue Delay	0.0	0.0	0.0	0.0	0.0	
Total Delay	7.0	2.2	5.5	6.4	15.9	
LOS	A	A	A	A	B	
Approach Delay	5.9			6.3	15.9	
Approach LOS	A			A	B	
Intersection Summary						
Area Type:	Other					
Cycle Length: 150						
Actuated Cycle Length: 39						
Natural Cycle: 45						
Control Type: Actuated-Uncoordinated						
Maximum v/c Ratio: 0.54						
Intersection Signal Delay: 6.6				Intersection LOS: A		
Intersection Capacity Utilization 41.2%				ICU Level of Service A		
Analysis Period (min) 15						

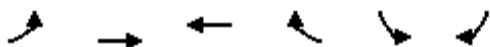
Splits and Phases: 2: Lake Mathews Dr & Cajalco Rd

↖ Ø2	→ Ø4
43 s	107 s
	↖ Ø8
	107 s

Lanes, Volumes, Timings

3: Cajalco Rd & El Sobrante Rd

05/28/2025

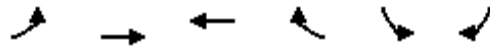


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	65	805	1110	665	400	25
Future Volume (vph)	65	805	1110	665	400	25
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300			300	0	200
Storage Lanes	1			1	2	1
Taper Length (ft)	100				25	
Lane Util. Factor	1.00	0.95	0.95	1.00	0.97	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1736	3471	3505	1568	3467	1599
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1736	3471	3505	1568	3467	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				693		26
Link Speed (mph)		55	55		55	
Link Distance (ft)		913	1001		472	
Travel Time (s)		11.3	12.4		5.9	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	4%	4%	3%	3%	1%	1%
Adj. Flow (vph)	68	839	1156	693	417	26
Shared Lane Traffic (%)						
Lane Group Flow (vph)	68	839	1156	693	417	26
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		24	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings

3: Cajalco Rd & El Sobrante Rd

05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	26.0	26.0
Total Split (s)	22.0	109.0	87.0	87.0	41.0	41.0
Total Split (%)	14.7%	72.7%	58.0%	58.0%	27.3%	27.3%
Maximum Green (s)	16.0	103.0	81.0	81.0	35.0	35.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag		Lag	
Lead-Lag Optimize?	Yes		Yes		Yes	
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			18.0	18.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effect Green (s)	12.6	80.1	66.2	66.2	22.6	22.6
Actuated g/C Ratio	0.11	0.69	0.57	0.57	0.19	0.19
v/c Ratio	0.36	0.35	0.58	0.58	0.62	0.08
Control Delay	62.3	7.4	18.4	3.2	50.5	16.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	62.3	7.4	18.4	3.2	50.5	16.6
LOS	E	A	B	A	D	B
Approach Delay		11.5	12.7		48.5	
Approach LOS		B	B		D	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 115.9

Natural Cycle: 85

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.62

Intersection Signal Delay: 17.4

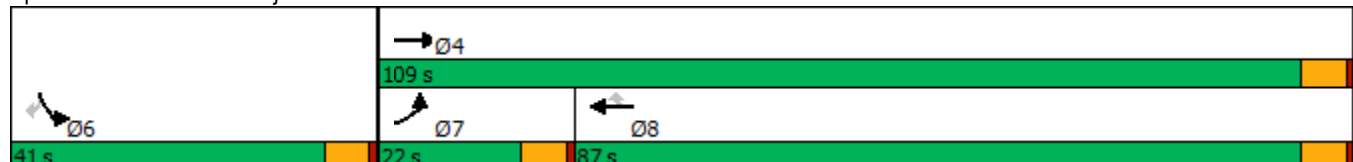
Intersection LOS: B

Intersection Capacity Utilization 61.3%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 3: Cajalco Rd & El Sobrante Rd



Lanes, Volumes, Timings

4: Smith Rd/Harley John Rd & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	95	1445	10	10	1160	180	10	5	5	305	5	195
Future Volume (vph)	95	1445	10	10	1160	180	10	5	5	305	5	195
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	300		0	350		0	0		0	300		0
Storage Lanes	1		0	1		0	0		0	1		0
Taper Length (ft)	100			75			25			125		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.999			0.980			0.966			0.854	
Flt Protected	0.950			0.950				0.976		0.950		
Satd. Flow (prot)	1752	3501	0	1752	3435	0	0	1791	0	1787	1607	0
Flt Permitted	0.950			0.950				0.976		0.950		
Satd. Flow (perm)	1752	3501	0	1752	3435	0	0	1791	0	1787	1607	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		1			15			5			201	
Link Speed (mph)		50			50			35			50	
Link Distance (ft)		886			810			608			914	
Travel Time (s)		12.1			11.0			11.8			12.5	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	0%	0%	0%	1%	1%	1%
Adj. Flow (vph)	98	1490	10	10	1196	186	10	5	5	314	5	201
Shared Lane Traffic (%)												
Lane Group Flow (vph)	98	1500	0	10	1382	0	0	20	0	314	206	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA		Prot	NA		Split	NA		Split	NA	
Protected Phases	7	4		3	8		1	1		2	2	

Lanes, Volumes, Timings

4: Smith Rd/Harley John Rd & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases												
Detector Phase	7	4		3	8		1	1		2	2	
Switch Phase												
Minimum Initial (s)	5.0	10.0		5.0	10.0		10.0	10.0		10.0	10.0	
Minimum Split (s)	11.0	45.0		11.0	45.0		16.0	16.0		31.0	31.0	
Total Split (s)	20.0	82.0		11.0	73.0		16.0	16.0		41.0	41.0	
Total Split (%)	13.3%	54.7%		7.3%	48.7%		10.7%	10.7%		27.3%	27.3%	
Maximum Green (s)	14.0	76.0		5.0	67.0		10.0	10.0		35.0	35.0	
Yellow Time (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Total Lost Time (s)	6.0	6.0		6.0	6.0			6.0		6.0	6.0	
Lead/Lag	Lead	Lag		Lead	Lag		Lead	Lead		Lag	Lag	
Lead-Lag Optimize?	Yes	Yes		Yes	Yes		Yes	Yes		Yes	Yes	
Vehicle Extension (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Recall Mode	None	Min		None	Min		None	None		None	None	
Walk Time (s)		5.0			5.0					5.0	5.0	
Flash Dont Walk (s)		15.0			15.0					20.0	20.0	
Pedestrian Calls (#/hr)		0			0					0	0	
Act Effect Green (s)	12.9	77.1		5.2	61.8			10.4		29.9	29.9	
Actuated g/C Ratio	0.10	0.58		0.04	0.47			0.08		0.23	0.23	
v/c Ratio	0.57	0.73		0.15	0.85			0.14		0.78	0.40	
Control Delay	75.9	26.0		75.1	38.9			55.7		63.9	8.9	
Queue Delay	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Total Delay	75.9	26.0		75.1	38.9			55.7		63.9	8.9	
LOS	E	C		E	D			E		E	A	
Approach Delay		29.1			39.1			55.7			42.1	
Approach LOS		C			D			E			D	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 131.8

Natural Cycle: 105

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.85

Intersection Signal Delay: 35.1

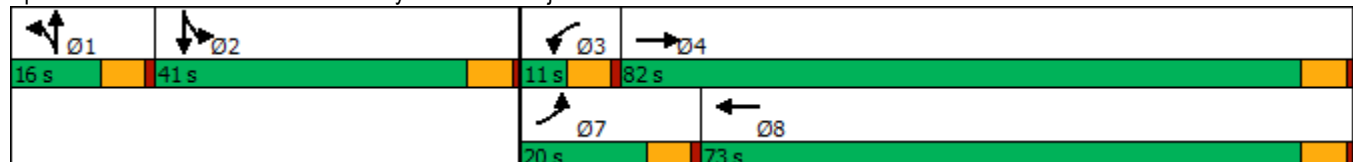
Intersection LOS: D

Intersection Capacity Utilization 83.0%

ICU Level of Service E

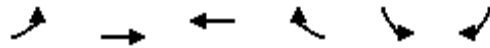
Analysis Period (min) 15

Splits and Phases: 4: Smith Rd/Harley John Rd & Cajalco Rd



Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

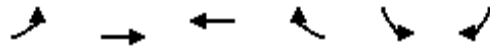
05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	240	1455	1010	90	125	270
Future Volume (vph)	240	1455	1010	90	125	270
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	325			275	275	0
Storage Lanes	2			1	1	1
Taper Length (ft)	150				125	
Lane Util. Factor	0.97	0.95	0.95	1.00	0.97	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	3433	3539	3505	1568	3467	1599
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	3433	3539	3505	1568	3467	1599
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)				94		284
Link Speed (mph)		50	50		50	
Link Distance (ft)		832	934		692	
Travel Time (s)		11.3	12.7		9.4	
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Heavy Vehicles (%)	2%	2%	3%	3%	1%	1%
Adj. Flow (vph)	253	1532	1063	95	132	284
Shared Lane Traffic (%)						
Lane Group Flow (vph)	253	1532	1063	95	132	284
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		24	24		24	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2	1	1	1
Detector Template	Left	Thru	Thru	Right	Left	Right
Leading Detector (ft)	20	100	100	20	20	20
Trailing Detector (ft)	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	6	20	20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Prot	NA	NA	Perm	Prot	Perm
Protected Phases	7	4	8		6	

Lanes, Volumes, Timings
5: Cajalco Rd & Wood Rd

05/28/2025



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Permitted Phases				8		6
Detector Phase	7	4	8	8	6	6
Switch Phase						
Minimum Initial (s)	5.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	45.0	30.0	30.0
Total Split (s)	28.0	106.0	78.0	78.0	44.0	44.0
Total Split (%)	18.7%	70.7%	52.0%	52.0%	29.3%	29.3%
Maximum Green (s)	22.0	100.0	72.0	72.0	38.0	38.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead		Lag	Lag		
Lead-Lag Optimize?	Yes		Yes	Yes		
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	Min	None	None
Walk Time (s)			5.0	5.0	5.0	5.0
Flash Dont Walk (s)			15.0	15.0	15.0	15.0
Pedestrian Calls (#/hr)			0	0	0	0
Act Effect Green (s)	14.7	62.0	41.0	41.0	12.5	12.5
Actuated g/C Ratio	0.17	0.71	0.47	0.47	0.14	0.14
v/c Ratio	0.43	0.61	0.64	0.12	0.27	0.60
Control Delay	37.3	7.4	19.5	3.5	37.9	11.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	37.3	7.4	19.5	3.5	37.9	11.0
LOS	D	A	B	A	D	B
Approach Delay		11.6	18.1		19.5	
Approach LOS		B	B		B	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 86.9

Natural Cycle: 90

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.64

Intersection Signal Delay: 14.9

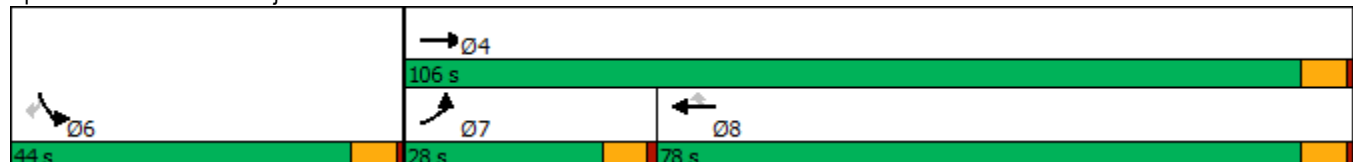
Intersection LOS: B

Intersection Capacity Utilization 58.6%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 5: Cajalco Rd & Wood Rd



Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	25	1190	80	230	1045	100	95	150	140	90	220	30
Future Volume (vph)	25	1190	80	230	1045	100	95	150	140	90	220	30
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	225		225	225		225	150		150	250		125
Storage Lanes	1		1	1		1	1		1	1		1
Taper Length (ft)	75			75			125			50		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Frt			0.850			0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1752	3505	1568	1752	3505	1568	3400	1845	1568	1770	1863	1583
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1752	3505	1568	1752	3505	1568	3400	1845	1568	1770	1863	1583
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			153			109			153			153
Link Speed (mph)		45			45			40			40	
Link Distance (ft)		493			567			619			693	
Travel Time (s)		7.5			8.6			10.6			11.8	
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Heavy Vehicles (%)	3%	3%	3%	3%	3%	3%	3%	3%	3%	2%	2%	2%
Adj. Flow (vph)	26	1240	83	240	1089	104	99	156	146	94	229	31
Shared Lane Traffic (%)												
Lane Group Flow (vph)	26	1240	83	240	1089	104	99	156	146	94	229	31
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2	1	1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100	20	20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0	0	0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6	20	20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm	Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Lanes, Volumes, Timings
6: Clark St & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4			8			2			6
Detector Phase	7	4	4	3	8	8	5	2	2	1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0	10.0
Minimum Split (s)	11.0	45.0	45.0	11.0	45.0	45.0	11.0	40.0	40.0	16.0	40.0	40.0
Total Split (s)	12.0	63.0	63.0	30.0	81.0	81.0	14.0	41.0	41.0	16.0	43.0	43.0
Total Split (%)	8.0%	42.0%	42.0%	20.0%	54.0%	54.0%	9.3%	27.3%	27.3%	10.7%	28.7%	28.7%
Maximum Green (s)	6.0	57.0	57.0	24.0	75.0	75.0	8.0	35.0	35.0	10.0	37.0	37.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None	None	None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0
Flash Dont Walk (s)		20.0	20.0		20.0	20.0		25.0	25.0		25.0	25.0
Pedestrian Calls (#/hr)		0	0		0	0		0	0		0	0
Act Effect Green (s)	6.0	55.2	55.2	22.9	77.2	77.2	8.1	21.7	21.7	10.1	23.7	23.7
Actuated g/C Ratio	0.04	0.41	0.41	0.17	0.58	0.58	0.06	0.16	0.16	0.08	0.18	0.18
v/c Ratio	0.33	0.86	0.11	0.80	0.54	0.11	0.49	0.52	0.38	0.71	0.70	0.08
Control Delay	77.3	43.8	0.3	74.9	20.3	3.0	71.9	58.3	9.2	90.4	63.8	0.4
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	77.3	43.8	0.3	74.9	20.3	3.0	71.9	58.3	9.2	90.4	63.8	0.4
LOS	E	D	A	E	C	A	E	E	A	F	E	A
Approach Delay		41.8			28.2			43.8			65.3	
Approach LOS		D			C			D			E	

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 134

Natural Cycle: 125

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.86

Intersection Signal Delay: 38.9

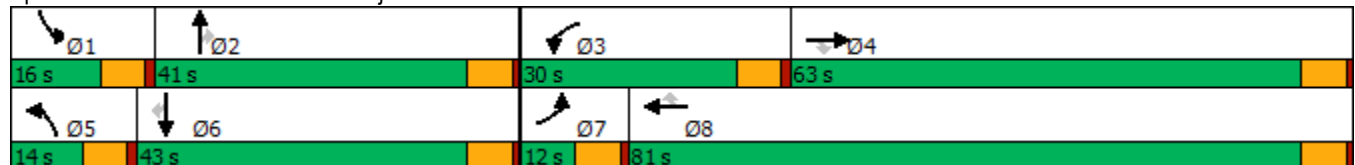
Intersection LOS: D

Intersection Capacity Utilization 81.4%

ICU Level of Service D

Analysis Period (min) 15

Splits and Phases: 6: Clark St & Cajalco Rd



Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	10	1300	335	420	1115	280	175	125	185	420	530	15
Future Volume (vph)	10	1300	335	420	1115	280	175	125	185	420	530	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	150		0	225		425	100		0	350		300
Storage Lanes	1		1	2		1	2		0	2		1
Taper Length (ft)	75			125			75			100		
Lane Util. Factor	1.00	0.95	1.00	0.97	0.95	1.00	0.97	0.95	0.95	0.97	0.95	1.00
Frt			0.850			0.850		0.910				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1752	3505	1568	3303	3406	1524	3303	3099	0	3367	3471	1553
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1752	3505	1568	3303	3406	1524	3303	3099	0	3367	3471	1553
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			207			289		171				153
Link Speed (mph)		50			50			50			50	
Link Distance (ft)		810			1047			942			888	
Travel Time (s)		11.0			14.3			12.8			12.1	
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
Heavy Vehicles (%)	3%	3%	3%	6%	6%	6%	6%	6%	6%	4%	4%	4%
Adj. Flow (vph)	10	1340	345	433	1149	289	180	129	191	433	546	15
Shared Lane Traffic (%)												
Lane Group Flow (vph)	10	1340	345	433	1149	289	180	320	0	433	546	15
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		24			24			24			24	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	1
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	Right
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	20
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	0
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Prot	NA		Prot	NA	Perm
Protected Phases	7	4		3	8		5	2		1	6	

Lanes, Volumes, Timings
7: Harvill Ave & Cajalco Rd

05/28/2025

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases	4			8			5			1		
Detector Phase	7	4	4	3	8	8	5	2		1	6	6
Switch Phase												
Minimum Initial (s)	5.0	10.0	10.0	5.0	10.0	10.0	5.0	10.0		5.0	10.0	10.0
Minimum Split (s)	11.0	46.0	46.0	11.0	46.0	46.0	11.0	16.0		11.0	46.0	46.0
Total Split (s)	11.0	63.0	63.0	25.0	77.0	77.0	14.0	29.0		33.0	48.0	48.0
Total Split (%)	7.3%	42.0%	42.0%	16.7%	51.3%	51.3%	9.3%	19.3%		22.0%	32.0%	32.0%
Maximum Green (s)	5.0	57.0	57.0	19.0	71.0	71.0	8.0	23.0		27.0	42.0	42.0
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0		6.0	6.0	6.0
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lag	Lead	Lag		Lead	Lag	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes
Vehicle Extension (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0
Recall Mode	None	Min	Min	None	Min	Min	None	None		None	None	None
Walk Time (s)		5.0	5.0		5.0	5.0					5.0	5.0
Flash Dont Walk (s)		35.0	35.0		35.0	35.0					35.0	35.0
Pedestrian Calls (#/hr)		0	0		0	0					0	0
Act Effect Green (s)	5.0	57.1	57.1	19.0	78.0	78.0	8.0	15.2		23.8	31.0	31.0
Actuated g/C Ratio	0.04	0.41	0.41	0.14	0.56	0.56	0.06	0.11		0.17	0.22	0.22
v/c Ratio	0.16	0.93	0.45	0.96	0.60	0.29	0.95	0.65		0.75	0.71	0.03
Control Delay	73.8	52.1	13.9	93.0	23.9	3.0	118.0	33.9		64.2	55.1	0.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Total Delay	73.8	52.1	13.9	93.0	23.9	3.0	118.0	33.9		64.2	55.1	0.1
LOS	E	D	B	F	C	A	F	C		E	E	A
Approach Delay	44.4			36.7			64.2			58.2		
Approach LOS	D			D			E			E		

Intersection Summary

Area Type: Other

Cycle Length: 150

Actuated Cycle Length: 139.2

Natural Cycle: 145

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.96

Intersection Signal Delay: 46.2

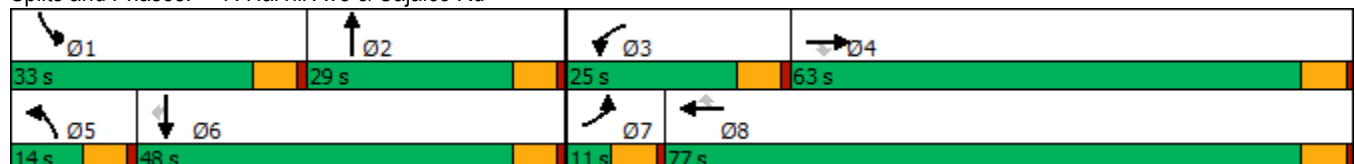
Intersection LOS: D

Intersection Capacity Utilization 89.3%

ICU Level of Service E

Analysis Period (min) 15

Splits and Phases: 7: Harvill Ave & Cajalco Rd



APPENDIX C – Future Year 2048 Volumes

Future Year 2048 With Alternative 1 AM Peak Hour Volumes														
#	Intersection	Northbound			Southbound			Eastbound			Westbound			Total
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	La Sierra Ave/Cajalco Rd	0	0	0	15	0	270	315	755	0	0	1,870	30	3,255
2	Lake Mathews Dr/Cajalco Rd	750	0	45	0	0	0	0	705	55	10	1,190	0	2,755
3	El Sobrante Rd/Cajalco Rd	0	0	0	320	0	20	65	760	0	0	1,200	835	3,200
4	Harley John Rd/Cajalco Rd	10	5	10	160	5	100	355	1,095	5	5	1,430	205	3,385
5	Wood Rd/Cajalco Rd	0	0	0	140	0	220	275	995	0	0	1,330	395	3,355
6	Clark St/Cajalco Rd	120	320	135	115	95	55	75	1,055	70	100	1,335	240	3,715
7	Harvill Ave/Cajalco Rd	460	775	35	155	125	85	160	980	175	40	995	175	4,160

Future Year 2048 With Alternative 1 PM Peak Hour Volumes														
#	Intersection	Northbound			Southbound			Eastbound			Westbound			Total
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
1	La Sierra Ave/Cajalco Rd	0	0	0	95	0	770	330	1,160	0	0	950	40	3,345
2	Lake Mathews Dr/Cajalco Rd	85	0	25	0	0	0	0	995	285	20	840	0	2,250
3	El Sobrante Rd/Cajalco Rd	0	0	0	400	0	25	65	805	0	0	1,110	665	3,070
4	Harley John Rd/Cajalco Rd	10	5	5	305	5	195	95	1,445	10	10	1,160	180	3,425
5	Wood Rd/Cajalco Rd	0	0	0	125	0	270	240	1,455	0	0	1,010	90	3,190
6	Clark St/Cajalco Rd	95	150	140	90	220	30	25	1,190	80	230	1,045	100	3,395
7	Harvill Ave/Cajalco Rd	175	125	185	420	530	15	10	1,300	335	420	1,115	280	4,910