

APPENDIX 1.1: SITE ADJACENT QUEUES

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Queuing and Blocking Report
Opening Year Cumulative (2024) With Project - AM Peak Hour

10/10/2022

Intersection: 8: Driveway 1 & Struck Av.

Movement	NB
Directions Served	LR
Maximum Queue (ft)	31
Average Queue (ft)	8
95th Queue (ft)	29
Link Distance (ft)	410
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Driveway 2/Driveway & Struck Av.

Movement	EB
Directions Served	LR
Maximum Queue (ft)	31
Average Queue (ft)	7
95th Queue (ft)	28
Link Distance (ft)	264
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Zone Summary

Zone wide Queuing Penalty: 0

Queuing and Blocking Report
Opening Year Cumulative (2024) With Project - PM Peak Hour

10/10/2022

Intersection: 8: Driveway 1 & Struck Av.

Movement	NB
Directions Served	LR
Maximum Queue (ft)	31
Average Queue (ft)	4
95th Queue (ft)	21
Link Distance (ft)	410
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 9: Driveway 2/Driveway & Struck Av.

Movement	EB	NB
Directions Served	LR	LT
Maximum Queue (ft)	31	7
Average Queue (ft)	16	0
95th Queue (ft)	41	5
Link Distance (ft)	264	408
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Zone Summary

Zone wide Queuing Penalty: 0

APPENDIX 3.1: TRAFFIC COUNTS

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City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

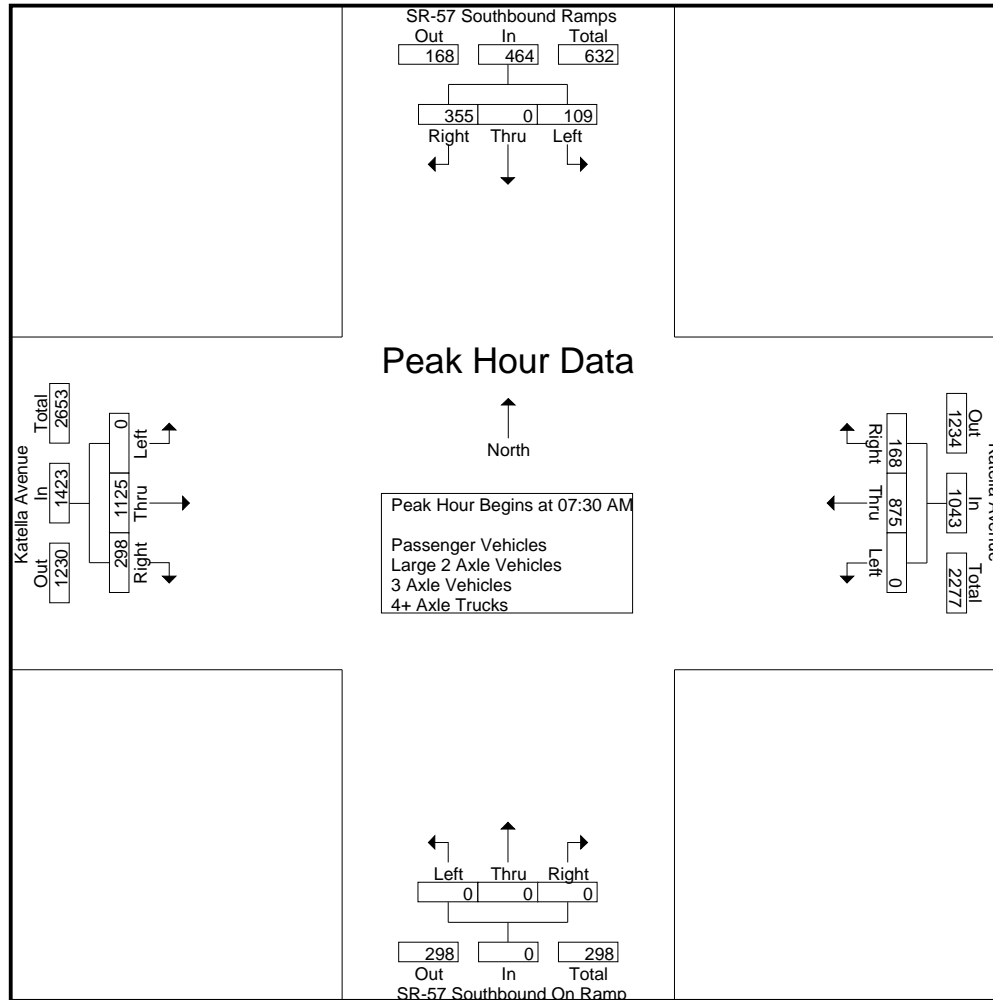
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	19	0	95	46	114	0	133	39	0	172	0	0	0	0	0	0	166	60	0	226	46	512	558
07:15 AM	20	0	89	59	109	0	142	44	0	186	0	0	0	0	0	0	216	84	0	300	59	595	654
07:30 AM	23	0	83	49	106	0	204	42	0	246	0	0	0	0	0	0	291	86	0	377	49	729	778
07:45 AM	32	0	71	29	103	0	230	36	0	266	0	0	0	0	0	0	290	64	0	354	29	723	752
Total	94	0	338	183	432	0	709	161	0	870	0	0	0	0	0	0	963	294	0	1257	183	2559	2742
08:00 AM	27	0	109	60	136	0	217	47	0	264	0	0	0	0	0	0	281	68	0	349	60	749	809
08:15 AM	27	0	92	40	119	0	224	43	0	267	0	0	0	0	0	0	263	80	0	343	40	729	769
08:30 AM	24	0	109	58	133	0	178	36	0	214	0	0	0	0	0	0	240	85	0	325	58	672	730
08:45 AM	39	0	118	38	157	0	220	33	0	253	0	0	0	0	0	0	231	69	0	300	38	710	748
Total	117	0	428	196	545	0	839	159	0	998	0	0	0	0	0	0	1015	302	0	1317	196	2860	3056
Grand Total	211	0	766	379	977	0	1548	320	0	1868	0	0	0	0	0	0	1978	596	0	2574	379	5419	5798
Apprch %	21.6	0	78.4			0	82.9	17.1			0	0	0				76.8	23.2					
Total %	3.9	0	14.1		18	0	28.6	5.9		34.5	0	0	0				36.5	11		47.5	6.5	93.5	
Passenger Vehicles	203	0	722		1291	0	1465	289		1754	0	0	0				1869	568		2437	0	0	5482
% Passenger Vehicles	96.2	0	94.3	96.6	95.2	0	94.6	90.3	0	93.9	0	0	0	0	0	0	94.5	95.3	0	94.7	0	0	94.5
Large 2 Axle Vehicles	4	0	23		35	0	62	17		79	0	0	0				66	22		88	0	0	202
% Large 2 Axle Vehicles	1.9	0	3	2.1	2.6	0	4	5.3	0	4.2	0	0	0	0	0	0	3.3	3.7	0	3.4	0	0	3.5
3 Axle Vehicles	1	0	2		3	0	7	3		10	0	0	0				13	1		14	0	0	27
% 3 Axle Vehicles	0.5	0	0.3	0	0.2	0	0.5	0.9	0	0.5	0	0	0	0	0	0	0.7	0.2	0	0.5	0	0	0.5
4+ Axle Trucks	3	0	19		27	0	14	11		25	0	0	0				30	5		35	0	0	87
% 4+ Axle Trucks	1.4	0	2.5	1.3	2	0	0.9	3.4	0	1.3	0	0	0	0	0	0	1.5	0.8	0	1.4	0	0	1.5

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	23	0	83	106	0	204	42	246	0	0	0	0	0	291	86	377	729
07:45 AM	32	0	71	103	0	230	36	266	0	0	0	0	0	290	64	354	723
08:00 AM	27	0	109	136	0	217	47	264	0	0	0	0	0	281	68	349	749
08:15 AM	27	0	92	119	0	224	43	267	0	0	0	0	0	263	80	343	729
Total Volume	109	0	355	464	0	875	168	1043	0	0	0	0	0	1125	298	1423	2930
% App. Total	23.5	0	76.5		0	83.9	16.1		0	0	0		0	79.1	20.9		
PHF	.852	.000	.814	.853	.000	.951	.894	.977	.000	.000	.000	.000	.000	.966	.866	.944	.978

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
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Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	08:00 AM				07:30 AM				07:00 AM				07:30 AM				
+0 mins.	27	0	109	136	0	204	42	246	0	0	0	0	0	291	86	377	
+15 mins.	27	0	92	119	0	230	36	266	0	0	0	0	0	290	64	354	
+30 mins.	24	0	109	133	0	217	47	264	0	0	0	0	0	281	68	349	
+45 mins.	39	0	118	157	0	224	43	267	0	0	0	0	0	263	80	343	
Total Volume	117	0	428	545	0	875	168	1043	0	0	0	0	0	1125	298	1423	
% App. Total	21.5	0	78.5		0	83.9	16.1		0	0	0		0	79.1	20.9		
PHF	.750	.000	.907	.868	.000	.951	.894	.977	.000	.000	.000	.000	.000	.966	.866	.944	

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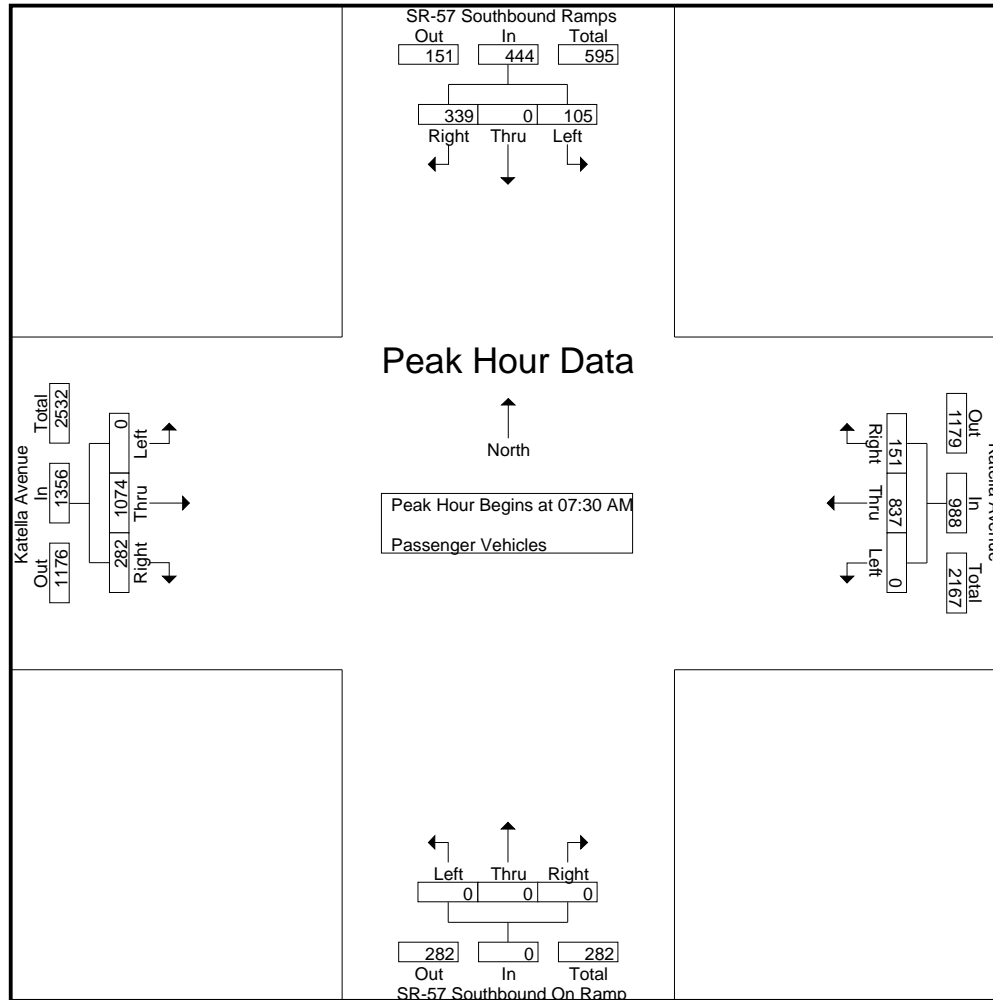
Groups Printed- Passenger Vehicles

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	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	19	0	89	45	108	0	117	35	0	152	0	0	0	0	0	0	159	58	0	217	45	477	522
07:15 AM	20	0	82	55	102	0	131	39	0	170	0	0	0	0	0	0	201	82	0	283	55	555	610
07:30 AM	22	0	81	48	103	0	197	39	0	236	0	0	0	0	0	0	272	81	0	353	48	692	740
07:45 AM	29	0	67	27	96	0	223	29	0	252	0	0	0	0	0	0	280	60	0	340	27	688	715
Total	90	0	319	175	409	0	668	142	0	810	0	0	0	0	0	0	912	281	0	1193	175	2412	2587
08:00 AM	27	0	103	60	130	0	206	44	0	250	0	0	0	0	0	0	271	64	0	335	60	715	775
08:15 AM	27	0	88	39	115	0	211	39	0	250	0	0	0	0	0	0	251	77	0	328	39	693	732
08:30 AM	21	0	105	58	126	0	172	34	0	206	0	0	0	0	0	0	222	82	0	304	58	636	694
08:45 AM	38	0	107	34	145	0	208	30	0	238	0	0	0	0	0	0	213	64	0	277	34	660	694
Total	113	0	403	191	516	0	797	147	0	944	0	0	0	0	0	0	957	287	0	1244	191	2704	2895
Grand Total	203	0	722	366	925	0	1465	289	0	1754	0	0	0	0	0	0	1869	568	0	2437	366	5116	5482
Apprch %	21.9	0	78.1			0	83.5	16.5			0	0	0			0	76.7	23.3					
Total %	4	0	14.1		18.1	0	28.6	5.6		34.3	0	0	0		0	0	36.5	11.1		47.6	6.7	93.3	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	22	0	81	103	0	197	39	236	0	0	0	0	0	272	81	353	692
07:45 AM	29	0	67	96	0	223	29	252	0	0	0	0	0	280	60	340	688
08:00 AM	27	0	103	130	0	206	44	250	0	0	0	0	0	271	64	335	715
08:15 AM	27	0	88	115	0	211	39	250	0	0	0	0	0	251	77	328	693
Total Volume	105	0	339	444	0	837	151	988	0	0	0	0	0	1074	282	1356	2788
% App. Total	23.6	0	76.4		0	84.7	15.3		0	0	0		0	79.2	20.8		
PHF	.905	.000	.823	.854	.000	.938	.858	.980	.000	.000	.000	.000	.000	.959	.870	.960	.975

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	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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.	22	0	81	103	0	197	39	236	0	0	0	0	0	272	81	353	
+15 mins.	29	0	67	96	0	223	29	252	0	0	0	0	0	280	60	340	
+30 mins.	27	0	103	130	0	206	44	250	0	0	0	0	0	271	64	335	
+45 mins.	27	0	88	115	0	211	39	250	0	0	0	0	0	251	77	328	
Total Volume	105	0	339	444	0	837	151	988	0	0	0	0	0	1074	282	1356	
% App. Total	23.6	0	76.4		0	84.7	15.3		0	0	0		0	79.2	20.8		
PHF	.905	.000	.823	.854	.000	.938	.858	.980	.000	.000	.000	.000	.000	.959	.870	.960	

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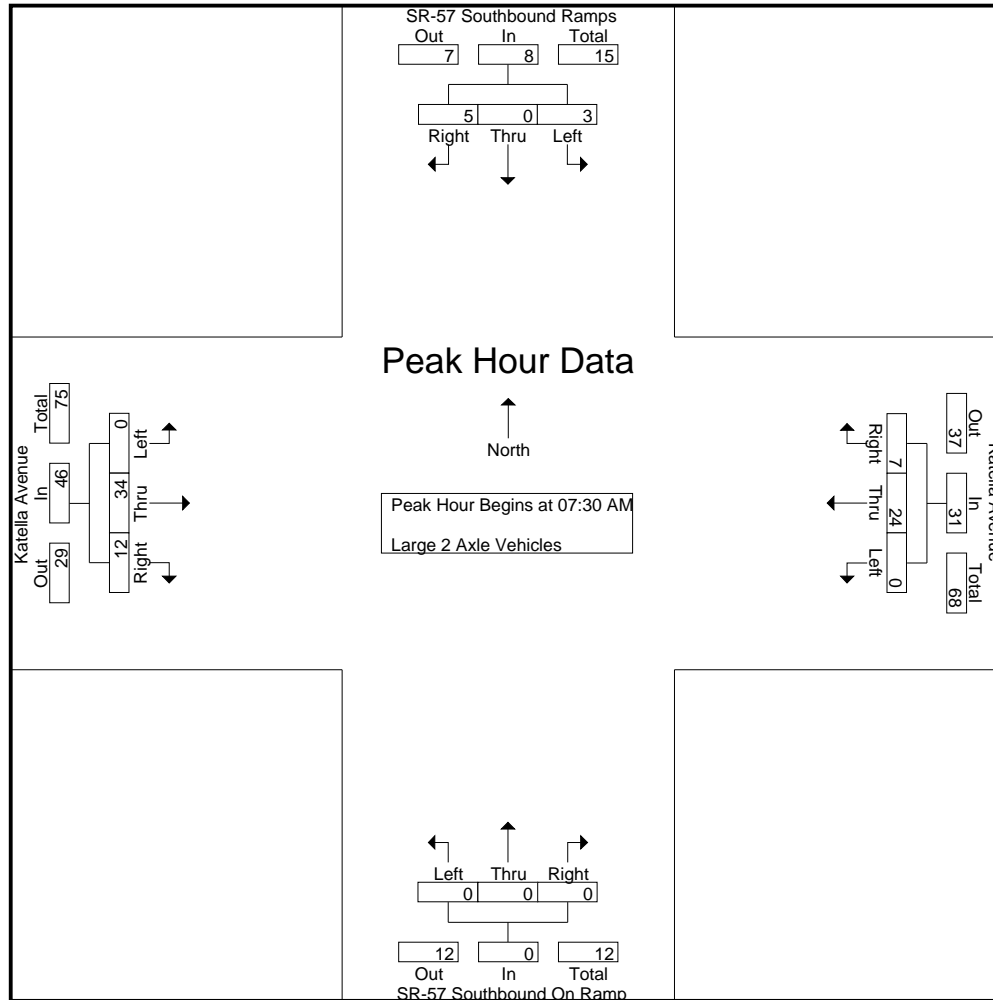
Groups Printed- Large 2 Axle Vehicles

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	3	0	3	0	14	3	0	17	0	0	0	0	0	0	5	2	0	7	0	27	27
07:15 AM	0	0	6	3	6	0	11	5	0	16	0	0	0	0	0	0	6	2	0	8	3	30	33
07:30 AM	1	0	1	1	2	0	5	1	0	6	0	0	0	0	0	0	11	4	0	15	1	23	24
07:45 AM	2	0	2	1	4	0	3	4	0	7	0	0	0	0	0	0	7	2	0	9	1	20	21
Total	3	0	12	5	15	0	33	13	0	46	0	0	0	0	0	0	29	10	0	39	5	100	105
08:00 AM	0	0	1	0	1	0	9	1	0	10	0	0	0	0	0	0	8	4	0	12	0	23	23
08:15 AM	0	0	1	0	1	0	7	1	0	8	0	0	0	0	0	0	8	2	0	10	0	19	19
08:30 AM	1	0	2	0	3	0	4	1	0	5	0	0	0	0	0	0	12	2	0	14	0	22	22
08:45 AM	0	0	7	3	7	0	9	1	0	10	0	0	0	0	0	0	9	4	0	13	3	30	33
Total	1	0	11	3	12	0	29	4	0	33	0	0	0	0	0	0	37	12	0	49	3	94	97
Grand Total	4	0	23	8	27	0	62	17	0	79	0	0	0	0	0	0	66	22	0	88	8	194	202
Apprch %	14.8	0	85.2			0	78.5	21.5			0	0	0			0	75	25					
Total %	2.1	0	11.9		13.9	0	32	8.8		40.7	0	0	0		0	0	34	11.3		45.4	4	96	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:30 AM to 08:15 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	1	0	1	2	0	5	1	6	0	0	0	0	0	11	4	15	23
07:45 AM	2	0	2	4	0	3	4	7	0	0	0	0	0	7	2	9	20
08:00 AM	0	0	1	1	0	9	1	10	0	0	0	0	0	8	4	12	23
08:15 AM	0	0	1	1	0	7	1	8	0	0	0	0	0	8	2	10	19
Total Volume	3	0	5	8	0	24	7	31	0	0	0	0	0	34	12	46	85
% App. Total	37.5	0	62.5		0	77.4	22.6		0	0	0		0	73.9	26.1		
PHF	.375	.000	.625	.500	.000	.667	.438	.775	.000	.000	.000	.000	.000	.773	.750	.767	.924

City of Anaheim
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 Weather: Clear

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Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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.	1	0	1	2	0	5	1	6	0	0	0	0	0	11	4	15	
+15 mins.	2	0	2	4	0	3	4	7	0	0	0	0	0	7	2	9	
+30 mins.	0	0	1	1	0	9	1	10	0	0	0	0	0	8	4	12	
+45 mins.	0	0	1	1	0	7	1	8	0	0	0	0	0	8	2	10	
Total Volume	3	0	5	8	0	24	7	31	0	0	0	0	0	34	12	46	
% App. Total	37.5	0	62.5		0	77.4	22.6		0	0	0		0	73.9	26.1		
PHF	.375	.000	.625	.500	.000	.667	.438	.775	.000	.000	.000	.000	.000	.773	.750	.767	

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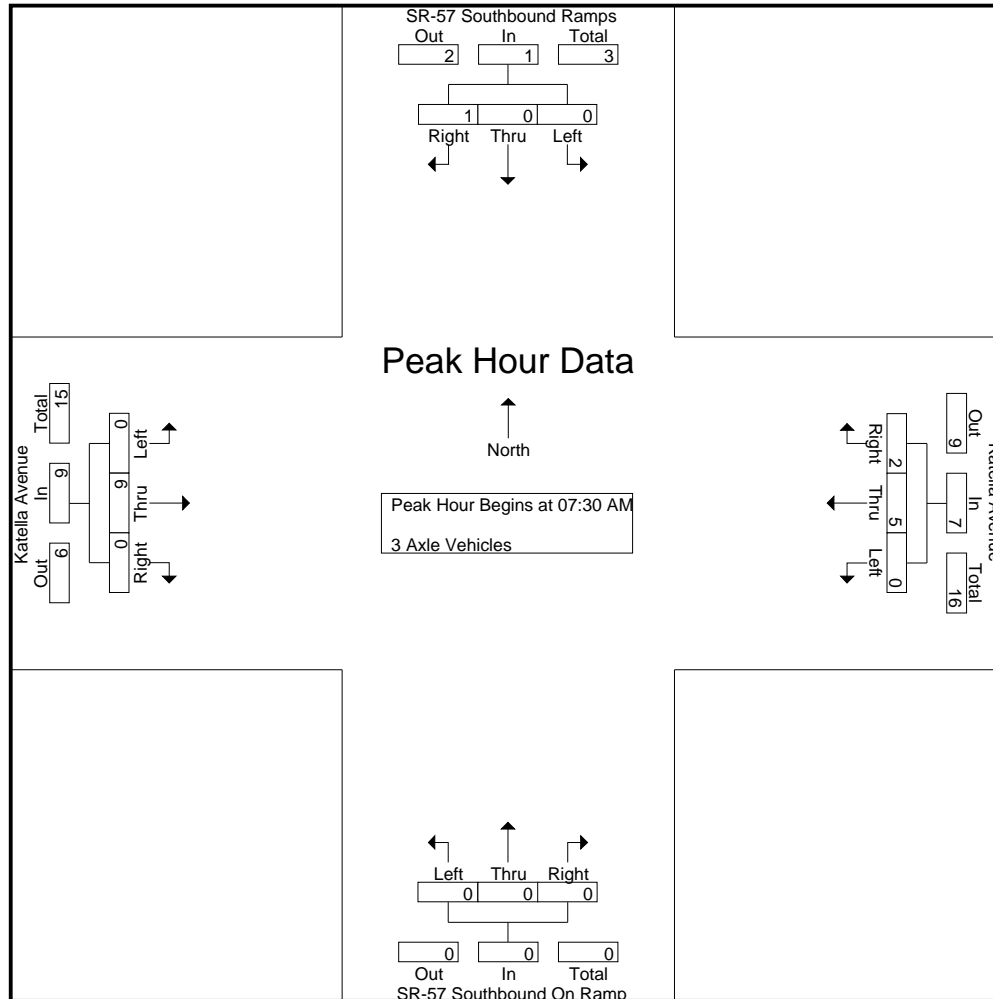
Groups Printed- 3 Axle Vehicles

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
07:00 AM	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	3	3	3
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	3	3	3
07:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	4	4	4
Total	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	9	0	0	9	0	12	12	12
08:00 AM	0	0	1	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	3	3
08:15 AM	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	0	7	7	7
08:30 AM	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	3	3	3
08:45 AM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	2	2
Total	1	0	2	0	3	0	5	2	0	7	0	0	0	0	0	0	4	1	0	5	0	15	15	15
Grand Total	1	0	2	0	3	0	7	3	0	10	0	0	0	0	0	0	13	1	0	14	0	27	27	27
Apprch %	33.3	0	66.7			0	70	30			0	0	0			0	92.9	7.1						
Total %	3.7	0	7.4		11.1	0	25.9	11.1		37	0	0	0		0	0	48.1	3.7		51.9	0	100		

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
07:45 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	4
08:00 AM	0	0	1	1	0	1	1	2	0	0	0	0	0	0	0	0	3
08:15 AM	0	0	0	0	0	3	1	4	0	0	0	0	0	3	0	3	7
Total Volume	0	0	1	1	0	5	2	7	0	0	0	0	0	9	0	9	17
% App. Total	0	0	100		0	71.4	28.6		0	0	0		0	100	0		
PHF	.000	.000	.250	.250	.000	.417	.500	.438	.000	.000	.000	.000	.000	.750	.000	.750	.607

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	0	0	0	0	0	0	0	0	3	0	3	
+15 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	
+30 mins.	0	0	1	1	0	1	1	2	0	0	0	0	0	0	0	0	
+45 mins.	0	0	0	0	0	3	1	4	0	0	0	0	0	3	0	3	
Total Volume	0	0	1	1	0	5	2	7	0	0	0	0	0	9	0	9	
% App. Total	0	0	100		0	71.4	28.6		0	0	0		0	100	0		
PHF	.000	.000	.250	.250	.000	.417	.500	.438	.000	.000	.000	.000	.000	.750	.000	.750	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

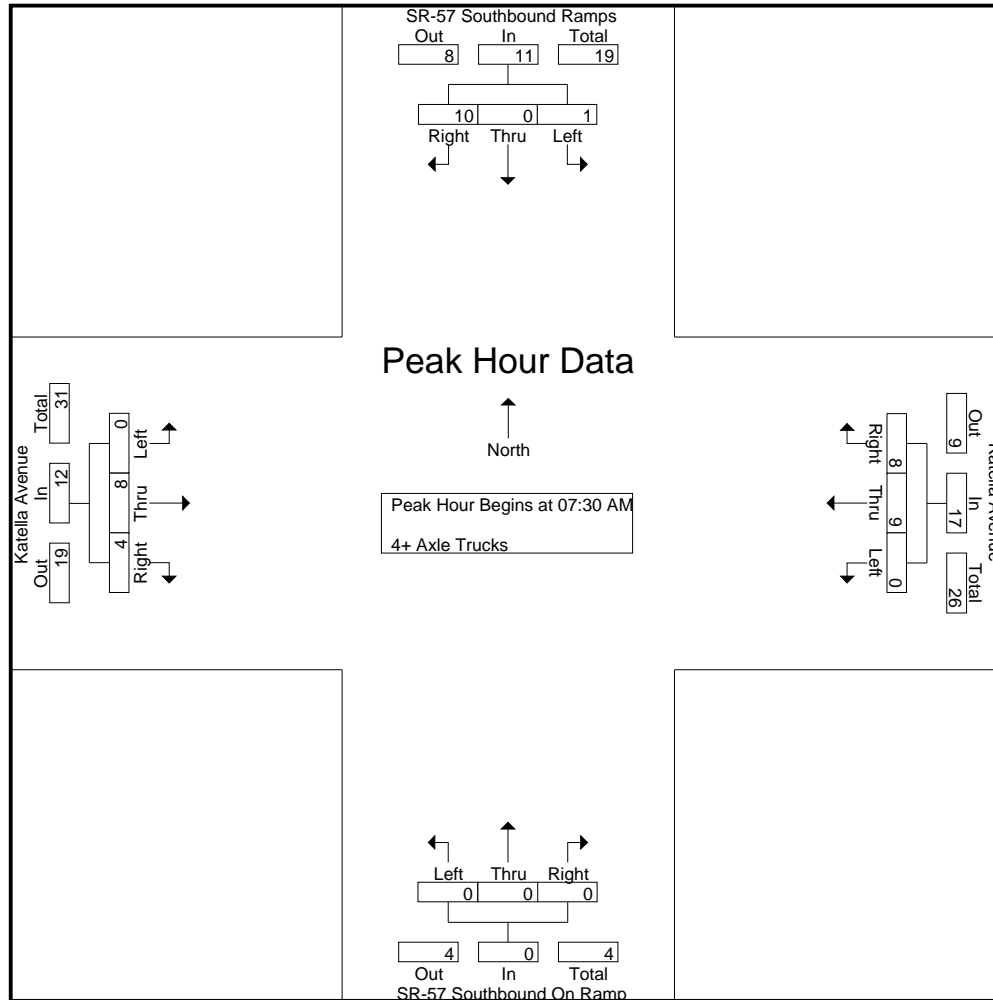
Groups Printed- 4+ Axle Trucks

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	3	1	3	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	1	6	7
07:15 AM	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	1	7	8
07:30 AM	0	0	1	0	1	0	2	2	0	4	0	0	0	0	0	0	5	1	0	6	0	11	11
07:45 AM	1	0	2	1	3	0	3	3	0	6	0	0	0	0	0	0	0	2	0	2	1	11	12
Total	1	0	7	3	8	0	6	5	0	11	0	0	0	0	0	0	13	3	0	16	3	35	38
08:00 AM	0	0	4	0	4	0	1	1	0	2	0	0	0	0	0	0	2	0	0	2	0	8	8
08:15 AM	0	0	3	1	3	0	3	2	0	5	0	0	0	0	0	0	1	1	0	2	1	10	11
08:30 AM	1	0	2	0	3	0	1	1	0	2	0	0	0	0	0	0	6	0	0	6	0	11	11
08:45 AM	1	0	3	1	4	0	3	2	0	5	0	0	0	0	0	0	8	1	0	9	1	18	19
Total	2	0	12	2	14	0	8	6	0	14	0	0	0	0	0	0	17	2	0	19	2	47	49
Grand Total	3	0	19	5	22	0	14	11	0	25	0	0	0	0	0	0	30	5	0	35	5	82	87
Apprch %	13.6	0	86.4			0	56	44			0	0	0			0	85.7	14.3					
Total %	3.7	0	23.2		26.8	0	17.1	13.4		30.5	0	0	0		0	0	36.6	6.1		42.7	5.7	94.3	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:30 AM	0	0	1	1	0	2	2	4	0	0	0	0	0	5	1	6	11
07:45 AM	1	0	2	3	0	3	3	6	0	0	0	0	0	0	2	2	11
08:00 AM	0	0	4	4	0	1	1	2	0	0	0	0	0	2	0	2	8
08:15 AM	0	0	3	3	0	3	2	5	0	0	0	0	0	1	1	2	10
Total Volume	1	0	10	11	0	9	8	17	0	0	0	0	0	8	4	12	40
% App. Total	9.1	0	90.9		0	52.9	47.1		0	0	0		0	66.7	33.3		
PHF	.250	.000	.625	.688	.000	.750	.667	.708	.000	.000	.000	.000	.000	.400	.500	.500	.909

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
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City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	2	2	4	0	0	0	0	0	5	1	6	
+15 mins.	1	0	2	3	0	3	3	6	0	0	0	0	0	0	2	2	
+30 mins.	0	0	4	4	0	1	1	2	0	0	0	0	0	2	0	2	
+45 mins.	0	0	3	3	0	3	2	5	0	0	0	0	0	1	1	2	
Total Volume	1	0	10	11	0	9	8	17	0	0	0	0	0	8	4	12	
% App. Total	9.1	0	90.9		0	52.9	47.1		0	0	0		0	66.7	33.3		
PHF	.250	.000	.625	.688	.000	.750	.667	.708	.000	.000	.000	.000	.000	.400	.500	.500	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

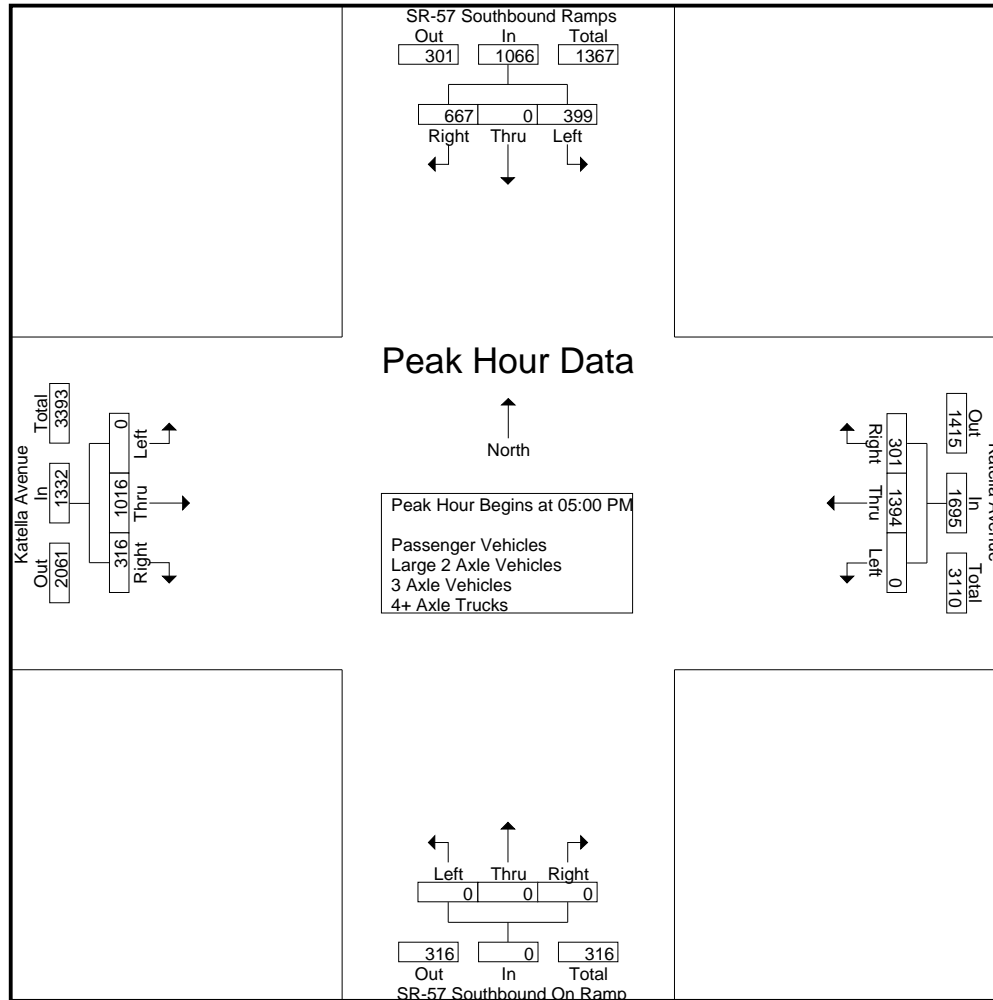
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	61	0	167	27	228	0	271	102	0	373	0	0	0	0	0	0	248	96	0	344	27	945	972
04:15 PM	55	0	120	30	175	0	316	80	0	396	0	0	0	0	0	0	264	75	0	339	30	910	940
04:30 PM	82	0	183	28	265	0	285	82	0	367	0	0	0	0	0	0	255	84	0	339	28	971	999
04:45 PM	72	0	146	30	218	0	268	69	0	337	0	0	0	0	0	0	248	62	0	310	30	865	895
Total	270	0	616	115	886	0	1140	333	0	1473	0	0	0	0	0	0	1015	317	0	1332	115	3691	3806
05:00 PM	80	0	170	27	250	0	327	101	0	428	0	0	0	0	0	0	300	117	0	417	27	1095	1122
05:15 PM	102	0	142	20	244	0	329	72	0	401	0	0	0	0	0	0	229	72	0	301	20	946	966
05:30 PM	120	0	168	8	288	0	382	64	0	446	0	0	0	0	0	0	263	86	0	349	8	1083	1091
05:45 PM	97	0	187	21	284	0	356	64	0	420	0	0	0	0	0	0	224	41	0	265	21	969	990
Total	399	0	667	76	1066	0	1394	301	0	1695	0	0	0	0	0	0	1016	316	0	1332	76	4093	4169
Grand Total	669	0	1283	191	1952	0	2534	634	0	3168	0	0	0	0	0	0	2031	633	0	2664	191	7784	7975
Apprch %	34.3	0	65.7			0	80	20			0	0	0			0	76.2	23.8					
Total %	8.6	0	16.5		25.1	0	32.6	8.1		40.7	0	0	0		0	0	26.1	8.1		34.2	2.4	97.6	
Passenger Vehicles	664	0	1266		2119	0	2445	624		3069	0	0	0		0	0	1981	628		2609	0	0	7797
% Passenger Vehicles	99.3	0	98.7	99	98.9	0	96.5	98.4	0	96.9	0	0	0	0	0	0	97.5	99.2	0	97.9	0	0	97.8
Large 2 Axle Vehicles	5	0	9		14	0	79	6		85	0	0	0		0	0	32	4		36	0	0	135
% Large 2 Axle Vehicles	0.7	0	0.7	0	0.7	0	3.1	0.9	0	2.7	0	0	0	0	0	0	1.6	0.6	0	1.4	0	0	1.7
3 Axle Vehicles	0	0	2		2	0	4	2		6	0	0	0		0	0	6	1		7	0	0	15
% 3 Axle Vehicles	0	0	0.2	0	0.1	0	0.2	0.3	0	0.2	0	0	0	0	0	0	0.3	0.2	0	0.3	0	0	0.2
4+ Axle Trucks	0	0	6		8	0	6	2		8	0	0	0		0	0	12	0		12	0	0	28
% 4+ Axle Trucks	0	0	0.5	1	0.4	0	0.2	0.3	0	0.3	0	0	0	0	0	0	0.6	0	0	0.5	0	0	0.4

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	80	0	170	250	0	327	101	428	0	0	0	0	0	300	117	417	1095
05:15 PM	102	0	142	244	0	329	72	401	0	0	0	0	0	229	72	301	946
05:30 PM	120	0	168	288	0	382	64	446	0	0	0	0	0	263	86	349	1083
05:45 PM	97	0	187	284	0	356	64	420	0	0	0	0	0	224	41	265	969
Total Volume	399	0	667	1066	0	1394	301	1695	0	0	0	0	0	1016	316	1332	4093
% App. Total	37.4	0	62.6		0	82.2	17.8		0	0	0		0	76.3	23.7		
PHF	.831	.000	.892	.925	.000	.912	.745	.950	.000	.000	.000	.000	.000	.847	.675	.799	.934

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				05:00 PM				04:00 PM				04:15 PM				
+0 mins.	80	0	170	250	0	327	101	428	0	0	0	0	0	264	75	339	
+15 mins.	102	0	142	244	0	329	72	401	0	0	0	0	0	255	84	339	
+30 mins.	120	0	168	288	0	382	64	446	0	0	0	0	0	248	62	310	
+45 mins.	97	0	187	284	0	356	64	420	0	0	0	0	0	300	117	417	
Total Volume	399	0	667	1066	0	1394	301	1695	0	0	0	0	0	1067	338	1405	
% App. Total	37.4	0	62.6		0	82.2	17.8		0	0	0		0	75.9	24.1		
PHF	.831	.000	.892	.925	.000	.912	.745	.950	.000	.000	.000	.000	.000	.889	.722	.842	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

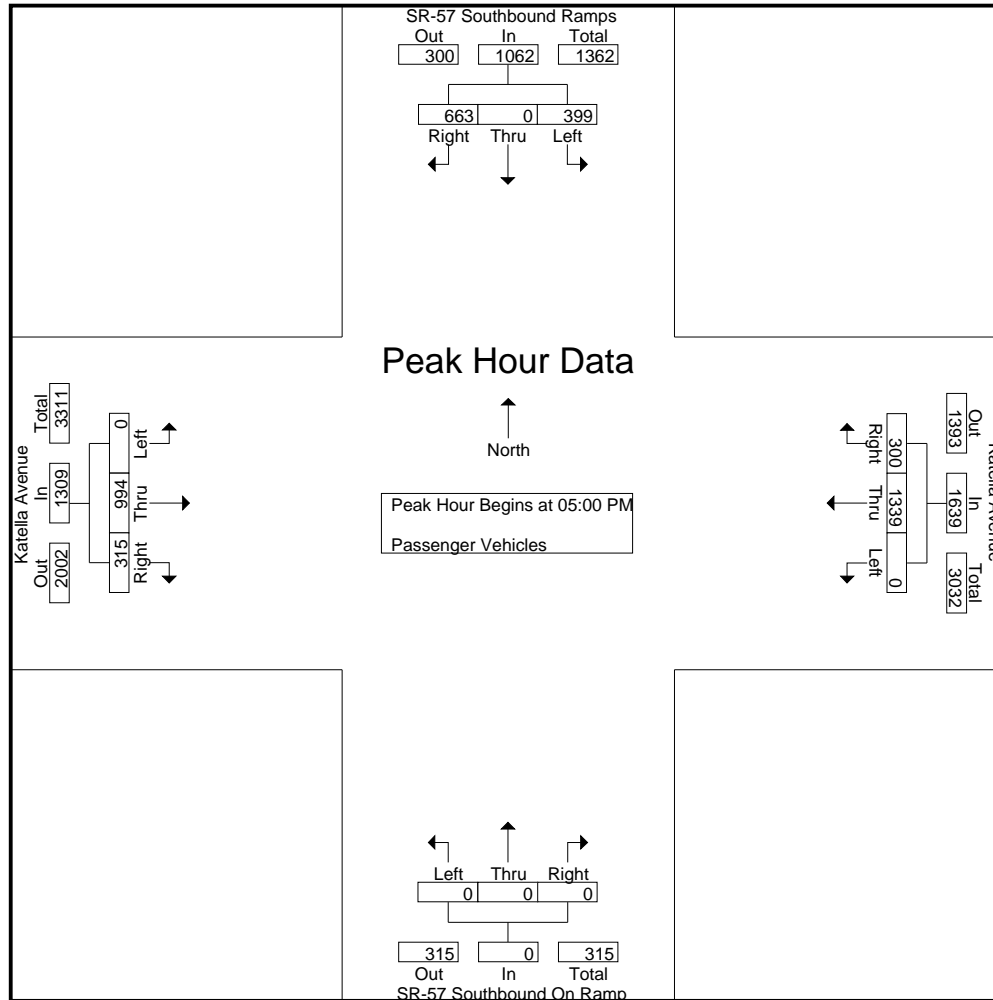
Groups Printed- Passenger Vehicles

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	59	0	163	27	222	0	262	99	0	361	0	0	0	0	0	0	241	94	0	335	27	918	945
04:15 PM	54	0	117	29	171	0	308	78	0	386	0	0	0	0	0	0	258	75	0	333	29	890	919
04:30 PM	81	0	179	28	260	0	274	82	0	356	0	0	0	0	0	0	248	83	0	331	28	947	975
04:45 PM	71	0	144	30	215	0	262	65	0	327	0	0	0	0	0	0	240	61	0	301	30	843	873
Total	265	0	603	114	868	0	1106	324	0	1430	0	0	0	0	0	0	987	313	0	1300	114	3598	3712
05:00 PM	80	0	168	26	248	0	318	100	0	418	0	0	0	0	0	0	296	117	0	413	26	1079	1105
05:15 PM	102	0	142	20	244	0	324	72	0	396	0	0	0	0	0	0	223	71	0	294	20	934	954
05:30 PM	120	0	167	8	287	0	356	64	0	420	0	0	0	0	0	0	254	86	0	340	8	1047	1055
05:45 PM	97	0	186	21	283	0	341	64	0	405	0	0	0	0	0	0	221	41	0	262	21	950	971
Total	399	0	663	75	1062	0	1339	300	0	1639	0	0	0	0	0	0	994	315	0	1309	75	4010	4085
Grand Total	664	0	1266	189	1930	0	2445	624	0	3069	0	0	0	0	0	0	1981	628	0	2609	189	7608	7797
Apprch %	34.4	0	65.6			0	79.7	20.3			0	0	0			0	75.9	24.1					
Total %	8.7	0	16.6		25.4	0	32.1	8.2		40.3	0	0	0		0	0	26	8.3		34.3	2.4	97.6	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	80	0	168	248	0	318	100	418	0	0	0	0	0	296	117	413	1079
05:15 PM	102	0	142	244	0	324	72	396	0	0	0	0	0	223	71	294	934
05:30 PM	120	0	167	287	0	356	64	420	0	0	0	0	0	254	86	340	1047
05:45 PM	97	0	186	283	0	341	64	405	0	0	0	0	0	221	41	262	950
Total Volume	399	0	663	1062	0	1339	300	1639	0	0	0	0	0	994	315	1309	4010
% App. Total	37.6	0	62.4		0	81.7	18.3		0	0	0		0	75.9	24.1		
PHF	.831	.000	.891	.925	.000	.940	.750	.976	.000	.000	.000	.000	.000	.840	.673	.792	.929

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	80	0	168	248	0	318	100	418	0	0	0	0	0	296	117	413	
+15 mins.	102	0	142	244	0	324	72	396	0	0	0	0	0	223	71	294	
+30 mins.	120	0	167	287	0	356	64	420	0	0	0	0	0	254	86	340	
+45 mins.	97	0	186	283	0	341	64	405	0	0	0	0	0	221	41	262	
Total Volume	399	0	663	1062	0	1339	300	1639	0	0	0	0	0	994	315	1309	
% App. Total	37.6	0	62.4		0	81.7	18.3		0	0	0		0	75.9	24.1		
PHF	.831	.000	.891	.925	.000	.940	.750	.976	.000	.000	.000	.000	.000	.840	.673	.792	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

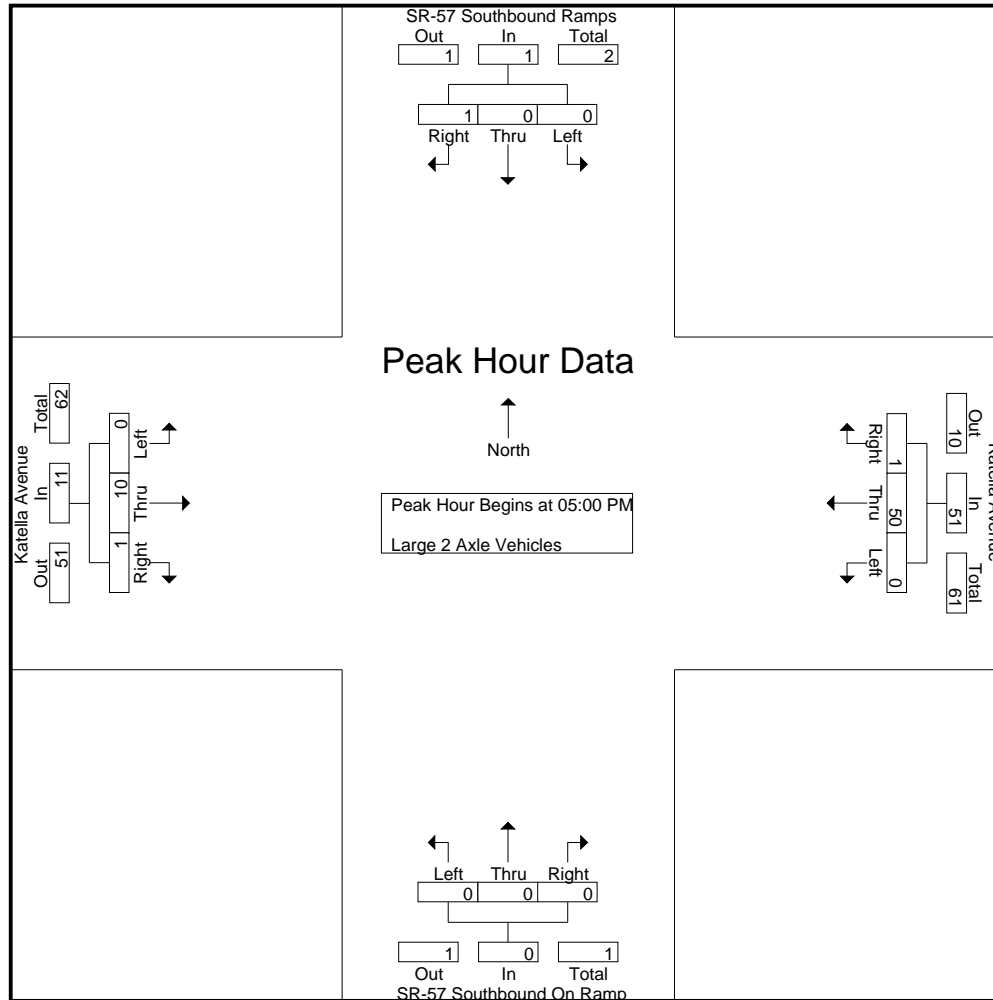
Groups Printed- Large 2 Axle Vehicles

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	2	0	4	0	6	0	9	1	0	10	0	0	0	0	0	0	5	2	0	7	0	23	23
04:15 PM	1	0	1	0	2	0	8	1	0	9	0	0	0	0	0	0	3	0	0	3	0	14	14
04:30 PM	1	0	2	0	3	0	8	0	0	8	0	0	0	0	0	0	6	0	0	6	0	17	17
04:45 PM	1	0	1	0	2	0	4	3	0	7	0	0	0	0	0	0	8	1	0	9	0	18	18
Total	5	0	8	0	13	0	29	5	0	34	0	0	0	0	0	0	22	3	0	25	0	72	72
05:00 PM	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	0	3	0	0	3	0	12	12
05:15 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	1	0	2	0	6	6
05:30 PM	0	0	1	0	1	0	23	0	0	23	0	0	0	0	0	0	4	0	0	4	0	28	28
05:45 PM	0	0	0	0	0	0	15	0	0	15	0	0	0	0	0	0	2	0	0	2	0	17	17
Total	0	0	1	0	1	0	50	1	0	51	0	0	0	0	0	0	10	1	0	11	0	63	63
Grand Total	5	0	9	0	14	0	79	6	0	85	0	0	0	0	0	0	32	4	0	36	0	135	135
Apprch %	35.7	0	64.3			0	92.9	7.1			0	0	0			0	88.9	11.1					
Total %	3.7	0	6.7		10.4	0	58.5	4.4		63	0	0	0		0	0	23.7	3		26.7	0	100	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	8	1	9	0	0	0	0	0	3	0	3	12
05:15 PM	0	0	0	0	0	4	0	4	0	0	0	0	0	1	1	2	6
05:30 PM	0	0	1	1	0	23	0	23	0	0	0	0	0	4	0	4	28
05:45 PM	0	0	0	0	0	15	0	15	0	0	0	0	0	2	0	2	17
Total Volume	0	0	1	1	0	50	1	51	0	0	0	0	0	10	1	11	63
% App. Total	0	0	100		0	98	2		0	0	0		0	90.9	9.1		
PHF	.000	.000	.250	.250	.000	.543	.250	.554	.000	.000	.000	.000	.000	.625	.250	.688	.563

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	8	1	9	0	0	0	0	0	3	0	3	
+15 mins.	0	0	0	0	0	4	0	4	0	0	0	0	0	1	1	2	
+30 mins.	0	0	1	1	0	23	0	23	0	0	0	0	0	4	0	4	
+45 mins.	0	0	0	0	0	15	0	15	0	0	0	0	0	2	0	2	
Total Volume	0	0	1	1	0	50	1	51	0	0	0	0	0	10	1	11	
% App. Total	0	0	100		0	98	2		0	0	0		0	90.9	9.1		
PHF	.000	.000	.250	.250	.000	.543	.250	.554	.000	.000	.000	.000	.000	.625	.250	.688	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

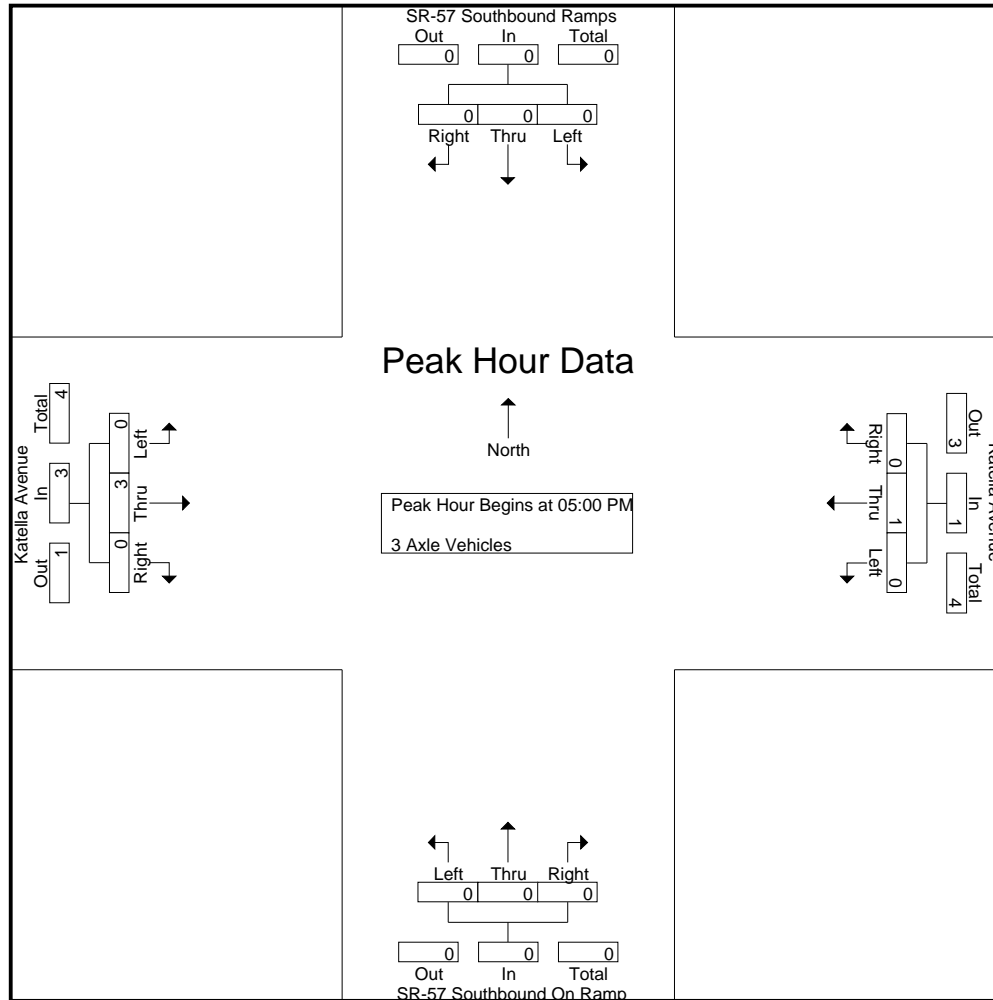
Groups Printed- 3 Axle Vehicles

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	2
04:15 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	2
04:30 PM	0	0	2	0	2	0	2	0	0	2	0	0	0	0	0	0	1	1	0	2	0	0	6	6
04:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	0	2	0	2	0	3	2	0	5	0	0	0	0	0	0	3	1	0	4	0	0	11	11
05:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2	2
05:45 PM	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	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	0	4	4
Grand Total	0	0	2	0	2	0	4	2	0	6	0	0	0	0	0	0	6	1	0	7	0	0	15	15
Apprch %	0	0	100			0	66.7	33.3			0	0	0			0	85.7	14.3						
Total %	0	0	13.3		13.3	0	26.7	13.3		40	0	0	0		0	0	40	6.7		46.7	0	0	100	

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
05:00 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	4
% App. Total	0	0	0	0	0	100	0		0	0	0		0	100	0		
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.375	.000	.375	.500

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
+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	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	3	0	3	
% App. Total	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0	
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.375	.000	.375	

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

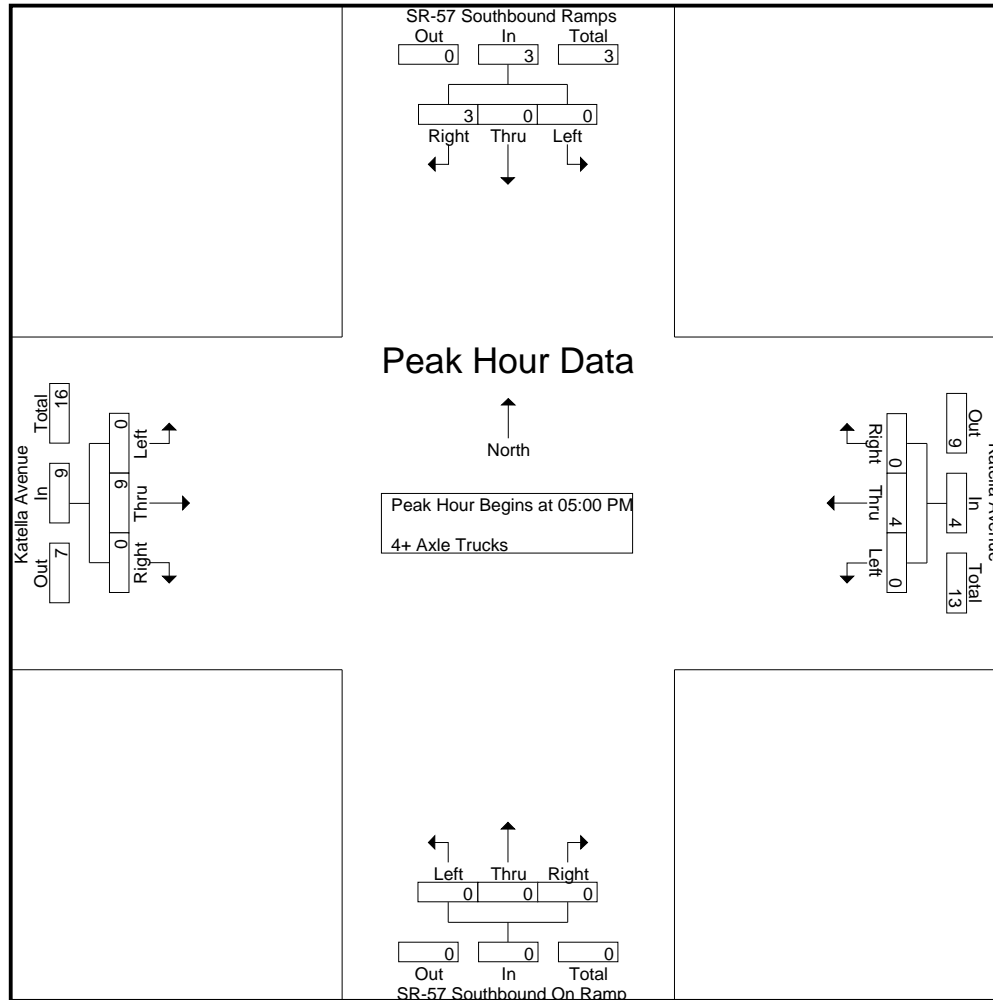
Groups Printed- 4+ Axle Trucks

Start Time	SR-57 Southbound Ramps Southbound					Katella Avenue Westbound					SR-57 Southbound On Ramp Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2
04:15 PM	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	1	0	4
04:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	0	1	0	1	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	0	0	3	1	3	0	2	2	0	4	0	0	0	0	0	0	3	0	0	3	1	0	11
05:00 PM	0	0	2	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	3
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	0	5
05:30 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	3	0	0	3	0	0	6
05:45 PM	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2
Total	0	0	3	1	3	0	4	0	0	4	0	0	0	0	0	0	9	0	0	9	1	0	17
Grand Total	0	0	6	2	6	0	6	2	0	8	0	0	0	0	0	0	12	0	0	12	2	0	28
Apprch %	0	0	100			0	75	25			0	0	0			0	100	0					
Total %	0	0	23.1		23.1	0	23.1	7.7		30.8	0	0	0		0	0	46.2	0		46.2	7.1		92.9

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
05:00 PM	0	0	2	2	0	0	0	0	0	0	0	0	0	1	0	1	3
05:15 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	4	0	4	5
05:30 PM	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	6
05:45 PM	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	2
Total Volume	0	0	3	3	0	4	0	4	0	0	0	0	0	9	0	9	16
% App. Total	0	0	100		0	100	0		0	0	0		0	100	0		
PHF	.000	.000	.375	.375	.000	.333	.000	.333	.000	.000	.000	.000	.000	.563	.000	.563	.667

City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Southbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 01_ANA_57S_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Southbound Ramps Southbound				Katella Avenue Westbound				SR-57 Southbound On Ramp Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	2	2	0	0	0	0	0	0	0	0	0	1	0	1	
+15 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	4	0	4	
+30 mins.	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	
+45 mins.	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	1	
Total Volume	0	0	3	3	0	4	0	4	0	0	0	0	0	9	0	9	
% App. Total	0	0	100		0	100	0		0	0	0		0	100	0		
PHF	.000	.000	.375	.375	.000	.333	.000	.333	.000	.000	.000	.000	.000	.563	.000	.563	

Location: Anaheim
 N/S: SR-57 SB Ramps
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg SR-57 SB Ramps	East Leg Katella Avenue	South Leg SR-57 SB Ramps	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	1	1
7:30 AM	0	0	0	0	0
7:45 AM	1	0	0	1	2
8:00 AM	0	0	0	2	2
8:15 AM	0	0	0	0	0
8:30 AM	1	0	0	0	1
8:45 AM	0	0	1	3	4
TOTAL VOLUMES:	2	0	1	7	10

	North Leg SR-57 SB Ramps	East Leg Katella Avenue	South Leg SR-57 SB Ramps	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	1	0	0	1	2
4:15 PM	1	0	0	2	3
4:30 PM	1	0	0	0	1
4:45 PM	1	0	0	3	4
5:00 PM	0	0	0	1	1
5:15 PM	2	0	0	1	3
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	1	1
TOTAL VOLUMES:	6	0	0	9	15

Location: Anaheim
 N/S: SR-57 SB Ramps
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound SR-57 SB Ramps			Westbound Katella Avenue			Northbound SR-57 SB Ramps			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	2	0	0	0	0	0	1	0	3
7:15 AM	0	0	0	0	3	0	0	0	0	0	1	0	4
7:30 AM	0	0	0	0	2	0	0	0	0	0	1	0	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:00 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	8	0	0	0	0	0	4	0	12

	Southbound SR-57 SB Ramps			Westbound Katella Avenue			Northbound SR-57 SB Ramps			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
4:30 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	2	0	0	0	0	0	3	0	5

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

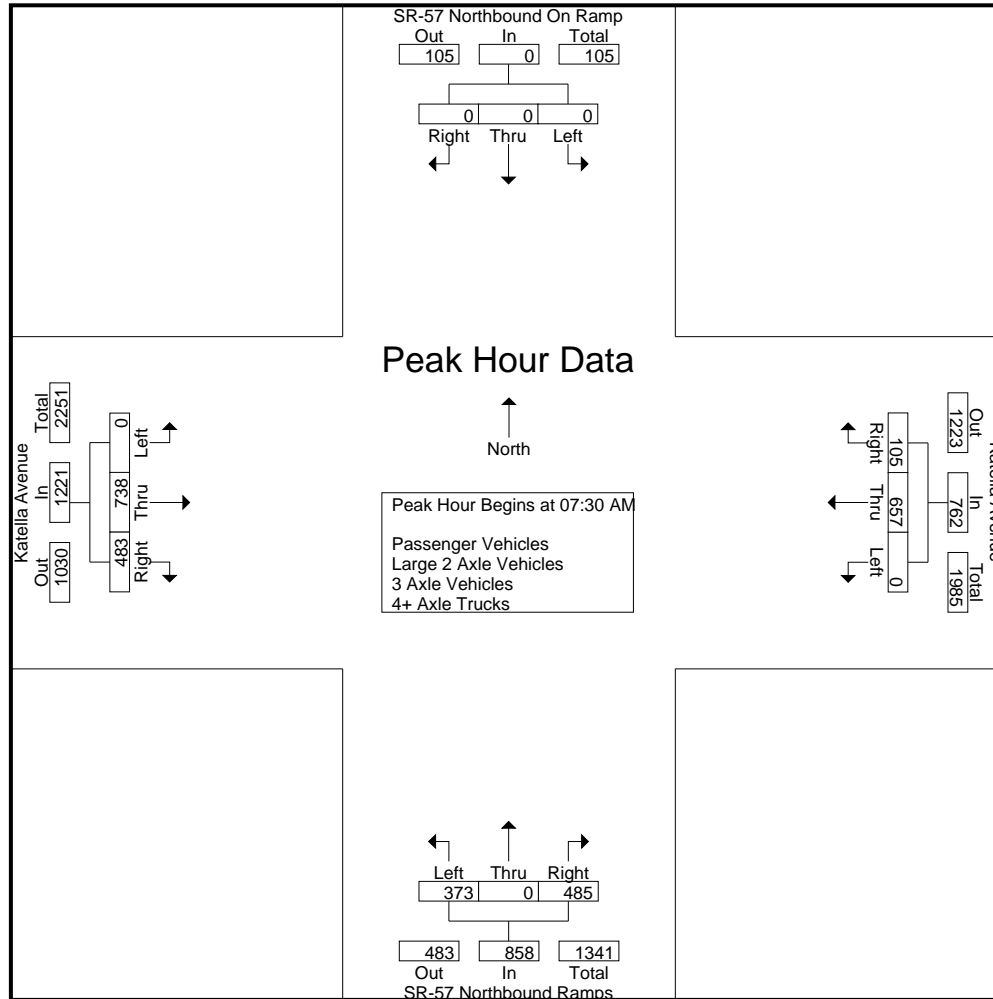
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	0	0	0	0	114	19	0	133	52	0	80	55	132	0	107	78	0	185	55	450	505
07:15 AM	0	0	0	0	0	0	139	33	0	172	49	0	87	58	136	2	126	110	0	238	58	546	604
07:30 AM	0	0	0	0	0	0	160	26	0	186	90	0	106	47	196	0	183	131	0	314	47	696	743
07:45 AM	0	0	0	0	0	0	144	27	0	171	111	0	143	51	254	0	192	128	0	320	51	745	796
Total	0	0	0	0	0	0	557	105	0	662	302	0	416	211	718	2	608	447	0	1057	211	2437	2648
08:00 AM	0	0	0	0	0	0	173	21	0	194	88	0	126	56	214	0	189	113	0	302	56	710	766
08:15 AM	0	0	0	0	0	0	180	31	0	211	84	0	110	55	194	0	174	111	0	285	55	690	745
08:30 AM	0	0	0	0	0	0	129	18	0	147	76	0	103	42	179	1	166	97	0	264	42	590	632
08:45 AM	0	0	0	0	0	0	158	26	0	184	97	0	116	48	213	0	175	99	0	274	48	671	719
Total	0	0	0	0	0	0	640	96	0	736	345	0	455	201	800	1	704	420	0	1125	201	2661	2862
Grand Total	0	0	0	0	0	0	1197	201	0	1398	647	0	871	412	1518	3	1312	867	0	2182	412	5098	5510
Apprch %	0	0	0			0	85.6	14.4			42.6	0	57.4			0.1	60.1	39.7					
Total %	0	0	0			0	23.5	3.9		27.4	12.7	0	17.1		29.8	0.1	25.7	17		42.8	7.5	92.5	
Passenger Vehicles	0	0	0			0	1114	184		1298	628	0	836		1867	3	1245	805		2053	0	0	5218
% Passenger Vehicles	0	0	0			0	93.1	91.5		92.8	97.1	0	96	97.8	96.7	100	94.9	92.8		94.1	0	0	94.7
Large 2 Axle Vehicles	0	0	0			0	64	12		76	14	0	22		45	0	51	32		83	0	0	204
% Large 2 Axle Vehicles	0	0	0			0	5.3	6		5.4	2.2	0	2.5	2.2	2.3	0	3.9	3.7		3.8	0	0	3.7
3 Axle Vehicles	0	0	0			0	9	2		11	1	0	2		3	0	5	5		10	0	0	24
% 3 Axle Vehicles	0	0	0			0	0.8	1		0.8	0.2	0	0.2		0.2	0	0.4	0.6		0.5	0	0	0.4
4+ Axle Trucks	0	0	0			0	10	3		13	4	0	11		15	0	11	25		36	0	0	64
% 4+ Axle Trucks	0	0	0			0	0.8	1.5		0.9	0.6	0	1.3		0.8	0	0.8	2.9		1.6	0	0	1.2

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	160	26	186	90	0	106	196	0	183	131	314	696
07:45 AM	0	0	0	0	0	144	27	171	111	0	143	254	0	192	128	320	745
08:00 AM	0	0	0	0	0	173	21	194	88	0	126	214	0	189	113	302	710
08:15 AM	0	0	0	0	0	180	31	211	84	0	110	194	0	174	111	285	690
Total Volume	0	0	0	0	0	657	105	762	373	0	485	858	0	738	483	1221	2841
% App. Total	0	0	0		0	86.2	13.8		43.5	0	56.5		0	60.4	39.6		
PHF	.000	.000	.000	.000	.000	.913	.847	.903	.840	.000	.848	.844	.000	.961	.922	.954	.953

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	07:00 AM				07:30 AM				07:30 AM				07:30 AM				
+0 mins.	0	0	0	0	0	160	26	186	90	0	106	196	0	183	131	314	
+15 mins.	0	0	0	0	0	144	27	171	111	0	143	254	0	192	128	320	
+30 mins.	0	0	0	0	0	173	21	194	88	0	126	214	0	189	113	302	
+45 mins.	0	0	0	0	0	180	31	211	84	0	110	194	0	174	111	285	
Total Volume	0	0	0	0	0	657	105	762	373	0	485	858	0	738	483	1221	
% App. Total	0	0	0	0	0	86.2	13.8		43.5	0	56.5		0	60.4	39.6		
PHF	.000	.000	.000	.000	.000	.913	.847	.903	.840	.000	.848	.844	.000	.961	.922	.954	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

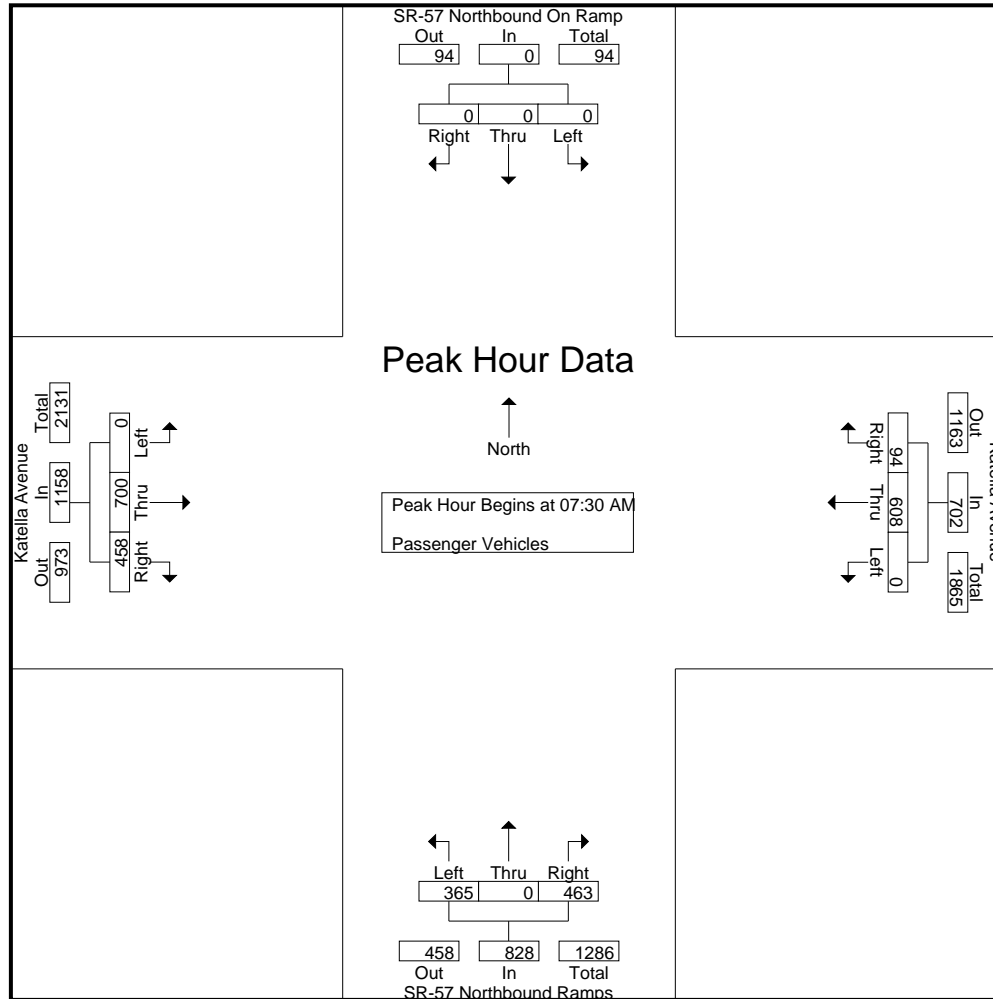
Groups Printed- Passenger Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	0	0	0	0	106	18	0	124	49	0	78	54	127	0	103	74	0	177	54	428	482
07:15 AM	0	0	0	0	0	0	126	32	0	158	48	0	85	56	133	2	121	99	0	222	56	513	569
07:30 AM	0	0	0	0	0	0	156	26	0	182	88	0	103	46	191	0	167	126	0	293	46	666	712
07:45 AM	0	0	0	0	0	0	132	23	0	155	109	0	138	50	247	0	182	123	0	305	50	707	757
Total	0	0	0	0	0	0	520	99	0	619	294	0	404	206	698	2	573	422	0	997	206	2314	2520
08:00 AM	0	0	0	0	0	0	157	19	0	176	86	0	116	54	202	0	184	105	0	289	54	667	721
08:15 AM	0	0	0	0	0	0	163	26	0	189	82	0	106	55	188	0	167	104	0	271	55	648	703
08:30 AM	0	0	0	0	0	0	122	17	0	139	75	0	98	40	173	1	155	87	0	243	40	555	595
08:45 AM	0	0	0	0	0	0	152	23	0	175	91	0	112	48	203	0	166	87	0	253	48	631	679
Total	0	0	0	0	0	0	594	85	0	679	334	0	432	197	766	1	672	383	0	1056	197	2501	2698
Grand Total	0	0	0	0	0	0	1114	184	0	1298	628	0	836	403	1464	3	1245	805	0	2053	403	4815	5218
Apprch %	0	0	0			0	85.8	14.2			42.9	0	57.1			0.1	60.6	39.2					
Total %	0	0	0			0	23.1	3.8		27	13	0	17.4		30.4	0.1	25.9	16.7		42.6	7.7	92.3	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	156	26	182	88	0	103	191	0	167	126	293	666
07:45 AM	0	0	0	0	0	132	23	155	109	0	138	247	0	182	123	305	707
08:00 AM	0	0	0	0	0	157	19	176	86	0	116	202	0	184	105	289	667
08:15 AM	0	0	0	0	0	163	26	189	82	0	106	188	0	167	104	271	648
Total Volume	0	0	0	0	0	608	94	702	365	0	463	828	0	700	458	1158	2688
% App. Total	0	0	0	0	0	86.6	13.4		44.1	0	55.9		0	60.4	39.6		
PHF	.000	.000	.000	.000	.000	.933	.904	.929	.837	.000	.839	.838	.000	.951	.909	.949	.950

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	156	26	182	88	0	103	191	0	167	126	293	
+15 mins.	0	0	0	0	0	132	23	155	109	0	138	247	0	182	123	305	
+30 mins.	0	0	0	0	0	157	19	176	86	0	116	202	0	184	105	289	
+45 mins.	0	0	0	0	0	163	26	189	82	0	106	188	0	167	104	271	
Total Volume	0	0	0	0	0	608	94	702	365	0	463	828	0	700	458	1158	
% App. Total	0	0	0	0	0	86.6	13.4		44.1	0	55.9		0	60.4	39.6		
PHF	.000	.000	.000	.000	.000	.933	.904	.929	.837	.000	.839	.838	.000	.951	.909	.949	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

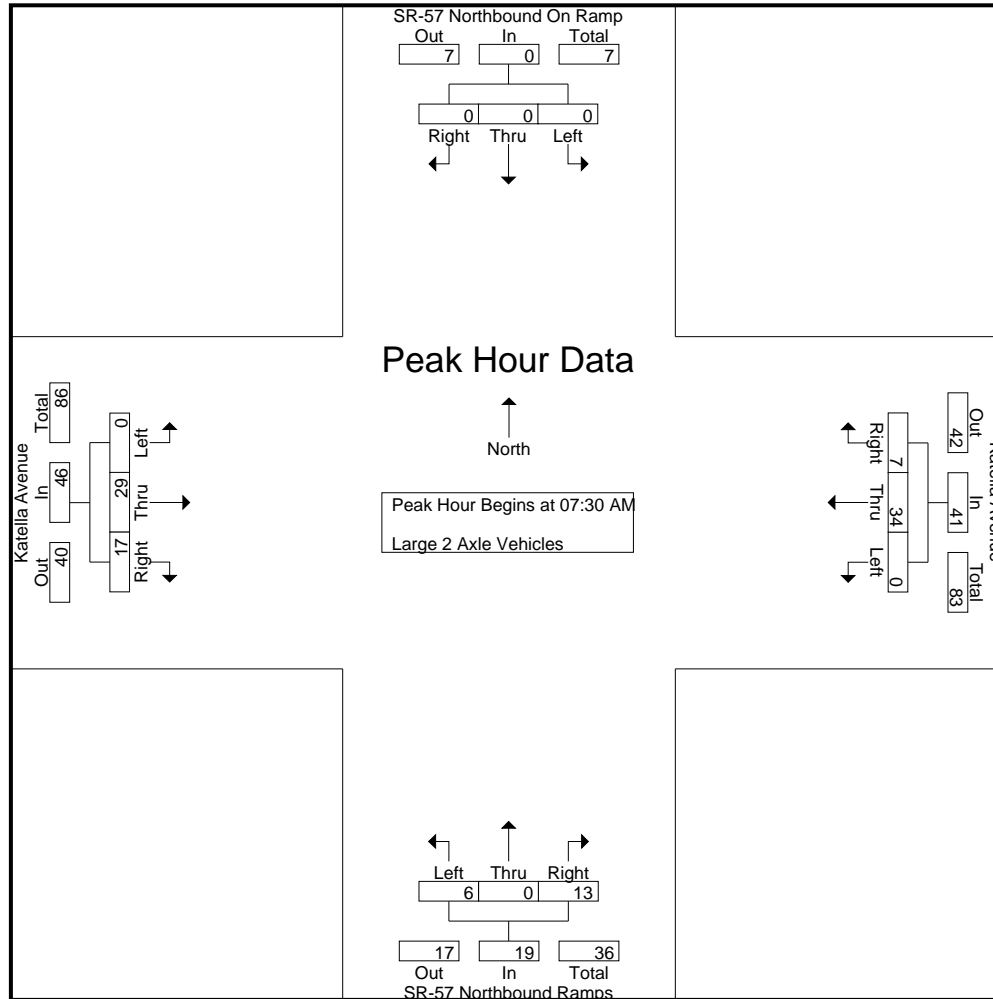
Groups Printed- Large 2 Axle Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	0	0	0	0	6	0	0	6	3	0	2	1	5	0	4	2	0	6	1	17	18
07:15 AM	0	0	0	0	0	0	12	1	0	13	1	0	2	2	3	0	5	3	0	8	2	24	26
07:30 AM	0	0	0	0	0	0	2	0	0	2	2	0	2	1	4	0	13	1	0	14	1	20	21
07:45 AM	0	0	0	0	0	0	8	2	0	10	1	0	2	1	3	0	9	3	0	12	1	25	26
Total	0	0	0	0	0	0	28	3	0	31	7	0	8	5	15	0	31	9	0	40	5	86	91
08:00 AM	0	0	0	0	0	0	13	2	0	15	2	0	7	2	9	0	4	6	0	10	2	34	36
08:15 AM	0	0	0	0	0	0	11	3	0	14	1	0	2	0	3	0	3	7	0	10	0	27	27
08:30 AM	0	0	0	0	0	0	6	1	0	7	0	0	4	2	4	0	9	4	0	13	2	24	26
08:45 AM	0	0	0	0	0	0	6	3	0	9	4	0	1	0	5	0	4	6	0	10	0	24	24
Total	0	0	0	0	0	0	36	9	0	45	7	0	14	4	21	0	20	23	0	43	4	109	113
Grand Total	0	0	0	0	0	0	64	12	0	76	14	0	22	9	36	0	51	32	0	83	9	195	204
Apprch %	0	0	0			0	84.2	15.8			38.9	0	61.1			0	61.4	38.6					
Total %	0	0	0			0	32.8	6.2		39	7.2	0	11.3		18.5	0	26.2	16.4		42.6	4.4	95.6	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	2	0	2	2	0	2	4	0	13	1	14	20
07:45 AM	0	0	0	0	0	8	2	10	1	0	2	3	0	9	3	12	25
08:00 AM	0	0	0	0	0	13	2	15	2	0	7	9	0	4	6	10	34
08:15 AM	0	0	0	0	0	11	3	14	1	0	2	3	0	3	7	10	27
Total Volume	0	0	0	0	0	34	7	41	6	0	13	19	0	29	17	46	106
% App. Total	0	0	0		0	82.9	17.1		31.6	0	68.4		0	63	37		
PHF	.000	.000	.000	.000	.000	.654	.583	.683	.750	.000	.464	.528	.000	.558	.607	.821	.779

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	2	0	2	2	0	2	4	0	13	1	14	
+15 mins.	0	0	0	0	0	8	2	10	1	0	2	3	0	9	3	12	
+30 mins.	0	0	0	0	0	13	2	15	2	0	7	9	0	4	6	10	
+45 mins.	0	0	0	0	0	11	3	14	1	0	2	3	0	3	7	10	
Total Volume	0	0	0	0	0	34	7	41	6	0	13	19	0	29	17	46	
% App. Total	0	0	0	0	0	82.9	17.1		31.6	0	68.4		0	63	37		
PHF	.000	.000	.000	.000	.000	.654	.583	.683	.750	.000	.464	.528	.000	.558	.607	.821	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

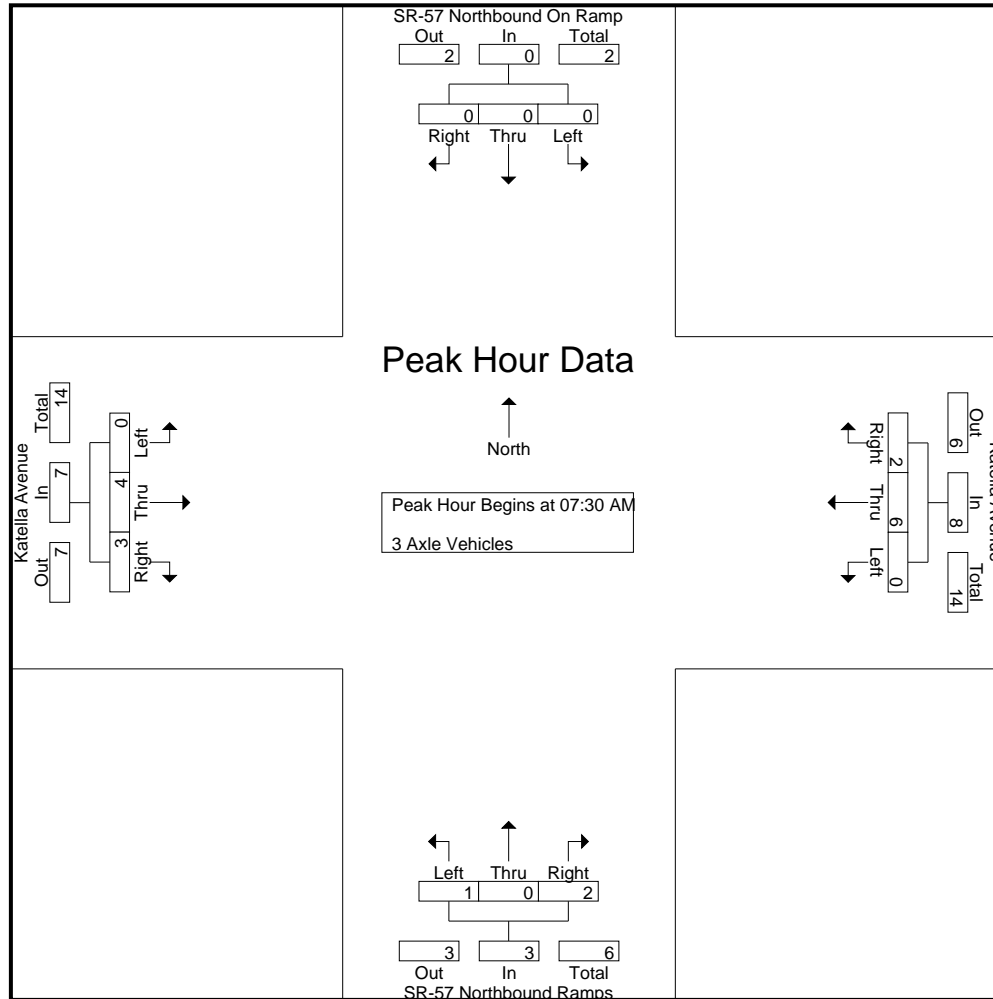
Groups Printed- 3 Axle Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2	2
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	2	2
07:45 AM	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	4	4
Total	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	1	5	0	6	0	0	10	0	10	0	10	10
08:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4	4
08:15 AM	0	0	0	0	0	0	3	1	0	4	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	0	8	8
08:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1
Total	0	0	0	0	0	0	6	1	0	7	1	0	2	0	3	0	4	0	0	4	0	0	14	0	14	0	14	14
Grand Total	0	0	0	0	0	0	9	2	0	11	1	0	2	0	3	0	5	5	0	10	0	0	24	0	24	0	24	24
Apprch %	0	0	0			0	81.8	18.2			33.3	0	66.7			0	50	50										
Total %	0	0	0			0	37.5	8.3		45.8	4.2	0	8.3		12.5	0	20.8	20.8		41.7	0	0	100			0	100	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	0	0	0	1	1	2	2
07:45 AM	0	0	0	0	0	1	1	2	0	0	0	0	0	0	2	2	4
08:00 AM	0	0	0	0	0	2	0	2	0	0	2	2	0	0	0	0	4
08:15 AM	0	0	0	0	0	3	1	4	1	0	0	1	0	3	0	3	8
Total Volume	0	0	0	0	0	6	2	8	1	0	2	3	0	4	3	7	18
% App. Total	0	0	0		0	75	25		33.3	0	66.7		0	57.1	42.9		
PHF	.000	.000	.000	.000	.000	.500	.500	.500	.250	.000	.250	.375	.000	.333	.375	.583	.563

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	0	0	0	0	0	0	0	0	1	1	2	
+15 mins.	0	0	0	0	0	1	1	2	0	0	0	0	0	0	2	2	
+30 mins.	0	0	0	0	0	2	0	2	0	0	2	2	0	0	0	0	
+45 mins.	0	0	0	0	0	3	1	4	1	0	0	1	0	3	0	3	
Total Volume	0	0	0	0	0	6	2	8	1	0	2	3	0	4	3	7	
% App. Total	0	0	0	0	0	75	25		33.3	0	66.7		0	57.1	42.9		
PHF	.000	.000	.000	.000	.000	.500	.500	.500	.250	.000	.250	.375	.000	.333	.375	.583	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

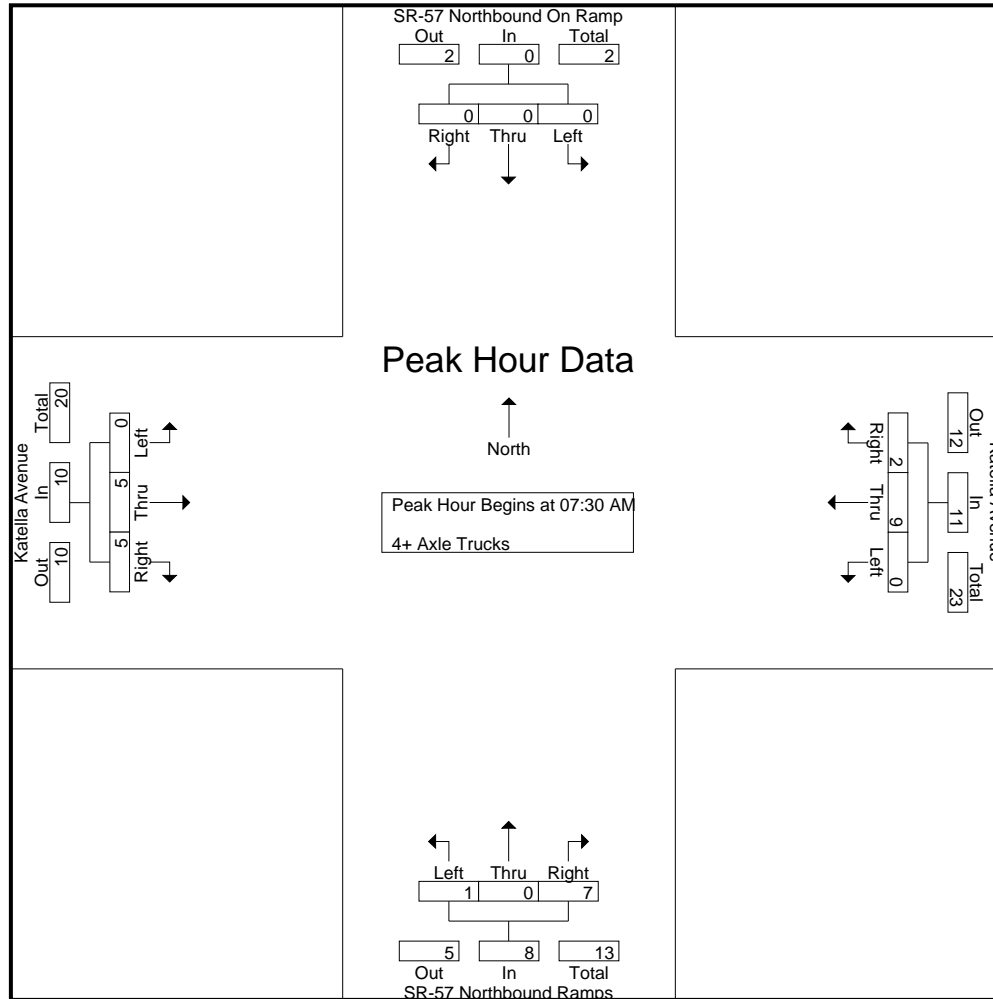
Groups Printed- 4+ Axle Trucks

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
07:00 AM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	3	3
07:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	6	0	6	0	0	7	7
07:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	2	3	0	5	0	0	8	8
07:45 AM	0	0	0	0	0	0	3	1	0	4	1	0	3	0	4	0	1	0	0	1	0	0	9	9
Total	0	0	0	0	0	0	6	2	0	8	1	0	4	0	5	0	3	11	0	14	0	0	27	27
08:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	1	2	0	3	0	0	5	5
08:15 AM	0	0	0	0	0	0	3	1	0	4	0	0	2	0	2	0	1	0	0	1	0	0	7	7
08:30 AM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	2	6	0	8	0	0	10	10
08:45 AM	0	0	0	0	0	0	0	0	0	0	2	0	3	0	5	0	4	6	0	10	0	0	15	15
Total	0	0	0	0	0	0	4	1	0	5	3	0	7	0	10	0	8	14	0	22	0	0	37	37
Grand Total	0	0	0	0	0	0	10	3	0	13	4	0	11	0	15	0	11	25	0	36	0	0	64	64
Apprch %	0	0	0			0	76.9	23.1			26.7	0	73.3			0	30.6	69.4			0	0		
Total %	0	0	0			0	15.6	4.7		20.3	6.2	0	17.2		23.4	0	17.2	39.1		56.2	0	0	100	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	2	0	2	0	0	1	1	0	2	3	5	8
07:45 AM	0	0	0	0	0	3	1	4	1	0	3	4	0	1	0	1	9
08:00 AM	0	0	0	0	0	1	0	1	0	0	1	1	0	1	2	3	5
08:15 AM	0	0	0	0	0	3	1	4	0	0	2	2	0	1	0	1	7
Total Volume	0	0	0	0	0	9	2	11	1	0	7	8	0	5	5	10	29
% App. Total	0	0	0		0	81.8	18.2		12.5	0	87.5		0	50	50		
PHF	.000	.000	.000	.000	.000	.750	.500	.688	.250	.000	.583	.500	.000	.625	.417	.500	.806

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	2	0	2	0	0	1	1	0	2	3	5	
+15 mins.	0	0	0	0	0	3	1	4	1	0	3	4	0	1	0	1	
+30 mins.	0	0	0	0	0	1	0	1	0	0	1	1	0	1	2	3	
+45 mins.	0	0	0	0	0	3	1	4	0	0	2	2	0	1	0	1	
Total Volume	0	0	0	0	0	9	2	11	1	0	7	8	0	5	5	10	
% App. Total	0	0	0	0	0	81.8	18.2		12.5	0	87.5		0	50	50		
PHF	.000	.000	.000	.000	.000	.750	.500	.688	.250	.000	.583	.500	.000	.625	.417	.500	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

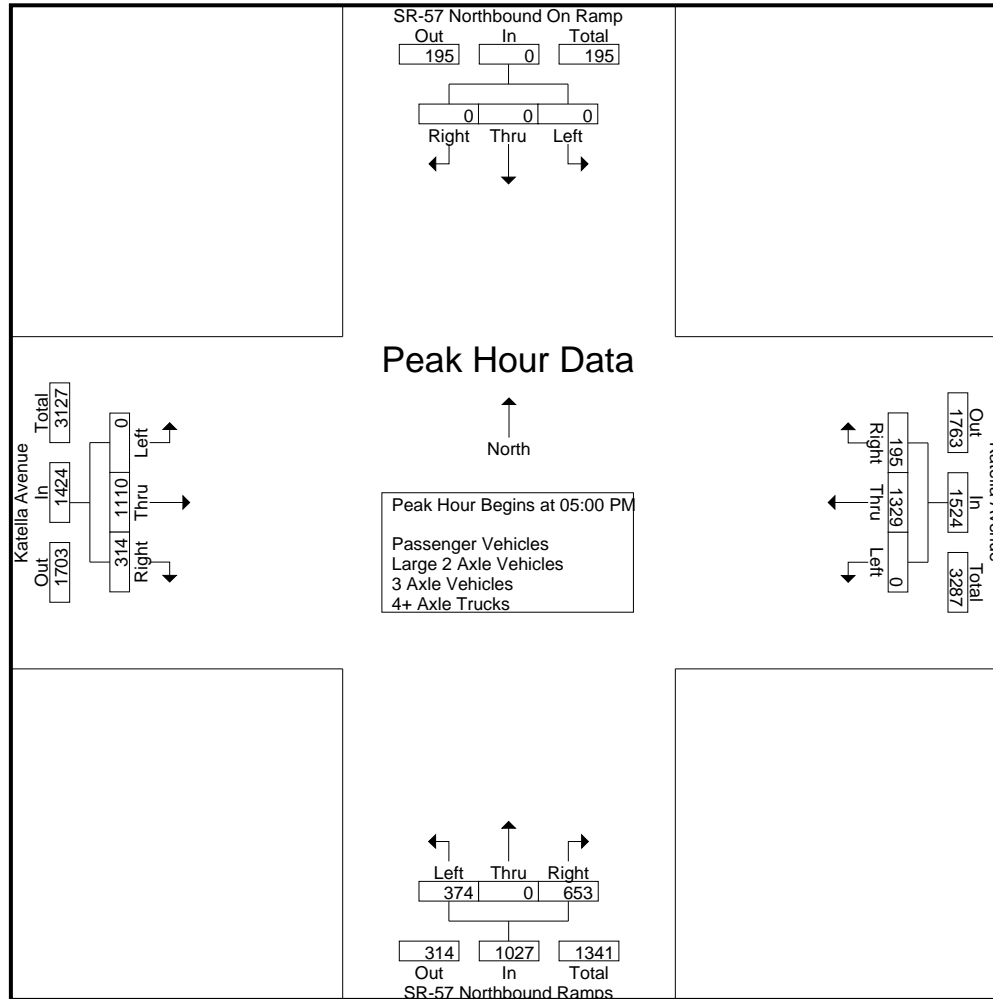
Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	326	58	0	384	57	0	125	88	182	0	209	107	0	316	88	882	970
04:15 PM	0	0	0	0	0	0	341	48	0	389	57	0	119	87	176	0	223	94	0	317	87	882	969
04:30 PM	0	0	0	0	0	0	314	67	0	381	63	0	123	78	186	0	229	108	0	337	78	904	982
04:45 PM	0	0	0	0	0	0	278	48	0	326	54	0	147	72	201	0	237	75	0	312	72	839	911
Total	0	0	0	0	0	0	1259	221	0	1480	231	0	514	325	745	0	898	384	0	1282	325	3507	3832
05:00 PM	0	0	0	0	0	0	362	71	0	433	64	0	133	48	197	0	283	107	0	390	48	1020	1068
05:15 PM	0	0	0	0	0	0	331	42	0	373	87	0	168	43	255	0	253	74	0	327	43	955	998
05:30 PM	0	0	0	0	0	0	328	51	0	379	101	0	167	12	268	0	311	75	0	386	12	1033	1045
05:45 PM	0	0	0	0	0	0	308	31	0	339	122	0	185	3	307	0	263	58	0	321	3	967	970
Total	0	0	0	0	0	0	1329	195	0	1524	374	0	653	106	1027	0	1110	314	0	1424	106	3975	4081
Grand Total	0	0	0	0	0	0	2588	416	0	3004	605	0	1167	431	1772	0	2008	698	0	2706	431	7482	7913
Apprch %	0	0	0			0	86.2	13.8			34.1	0	65.9			0	74.2	25.8					
Total %	0	0	0			0	34.6	5.6		40.1	8.1	0	15.6		23.7	0	26.8	9.3		36.2	5.4	94.6	
Passenger Vehicles	0	0	0			0	2548	410		2958	551	0	1139		2110	0	1958	684		2642	0	0	7710
% Passenger Vehicles	0	0	0			0	98.5	98.6		98.5	91.1	0	97.6	97.4	95.8	0	97.5	98		97.6	0	0	97.4
Large 2 Axle Vehicles	0	0	0			0	34	5		39	47	0	23		79	0	39	8		47	0	0	165
% Large 2 Axle Vehicles	0	0	0			0	1.3	1.2		1.3	7.8	0	2	2.1	3.6	0	1.9	1.1		1.7	0	0	2.1
3 Axle Vehicles	0	0	0			0	3	0		3	4	0	3		9	0	5	1		6	0	0	18
% 3 Axle Vehicles	0	0	0			0	0.1	0		0.1	0.7	0	0.3	0.5	0.4	0	0.2	0.1		0.2	0	0	0.2
4+ Axle Trucks	0	0	0			0	3	1		4	3	0	2		5	0	6	5		11	0	0	20
% 4+ Axle Trucks	0	0	0			0	0.1	0.2		0.1	0.5	0	0.2	0	0.2	0	0.3	0.7		0.4	0	0	0.3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
05:00 PM	0	0	0	0	0	362	71	433	64	0	133	197	0	283	107	390	1020
05:15 PM	0	0	0	0	0	331	42	373	87	0	168	255	0	253	74	327	955
05:30 PM	0	0	0	0	0	328	51	379	101	0	167	268	0	311	75	386	1033
05:45 PM	0	0	0	0	0	308	31	339	122	0	185	307	0	263	58	321	967
Total Volume	0	0	0	0	0	1329	195	1524	374	0	653	1027	0	1110	314	1424	3975
% App. Total	0	0	0		0	87.2	12.8		36.4	0	63.6		0	77.9	22.1		
PHF	.000	.000	.000	.000	.000	.918	.687	.880	.766	.000	.882	.836	.000	.892	.734	.913	.962

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

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	341	48	389	64	0	133	197	0	283	107	390	
+15 mins.	0	0	0	0	0	314	67	381	87	0	168	255	0	253	74	327	
+30 mins.	0	0	0	0	0	278	48	326	101	0	167	268	0	311	75	386	
+45 mins.	0	0	0	0	0	362	71	433	122	0	185	307	0	263	58	321	
Total Volume	0	0	0	0	0	1295	234	1529	374	0	653	1027	0	1110	314	1424	
% App. Total	0	0	0	0	0	84.7	15.3		36.4	0	63.6		0	77.9	22.1		
PHF	.000	.000	.000	.000	.000	.894	.824	.883	.766	.000	.882	.836	.000	.892	.734	.913	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

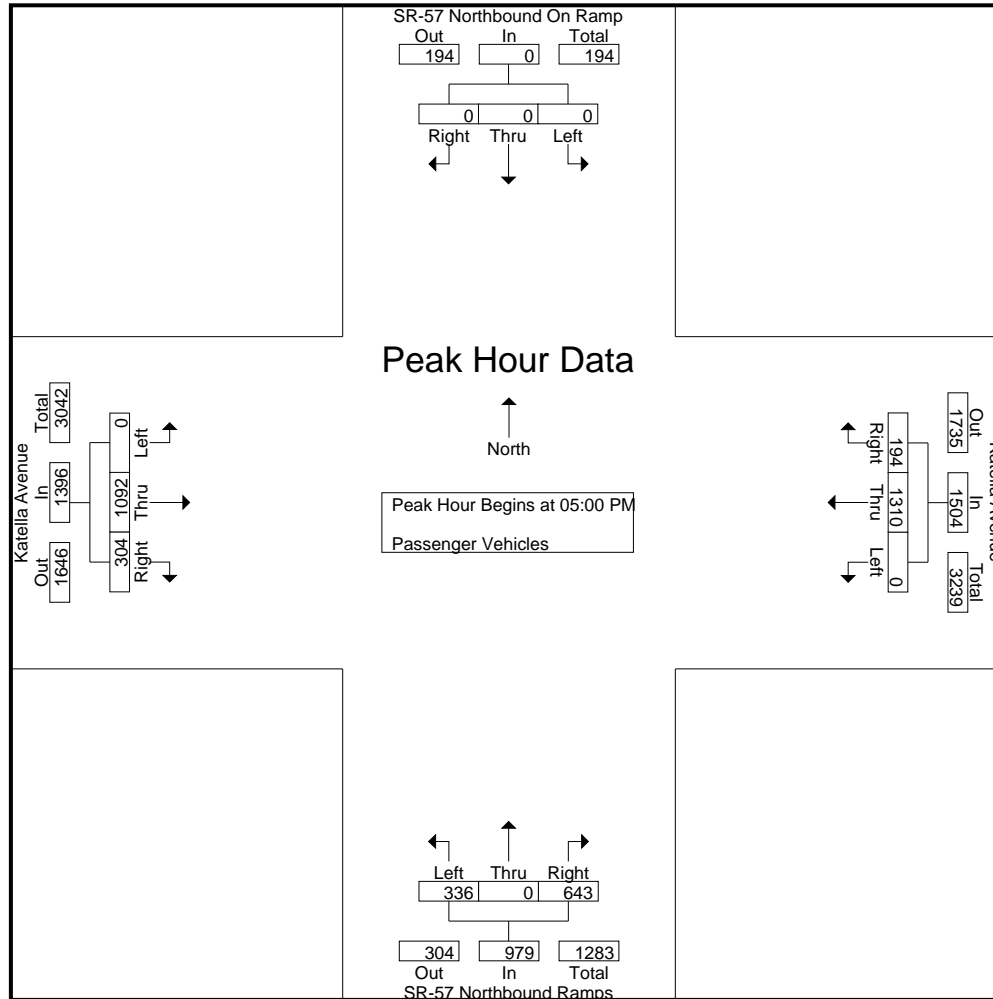
Groups Printed- Passenger Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	318	55	0	373	52	0	117	83	169	0	199	106	0	305	83	847	930
04:15 PM	0	0	0	0	0	0	336	47	0	383	55	0	117	86	172	0	217	93	0	310	86	865	951
04:30 PM	0	0	0	0	0	0	308	66	0	374	56	0	122	77	178	0	219	107	0	326	77	878	955
04:45 PM	0	0	0	0	0	0	276	48	0	324	52	0	140	69	192	0	231	74	0	305	69	821	890
Total	0	0	0	0	0	0	1238	216	0	1454	215	0	496	315	711	0	866	380	0	1246	315	3411	3726
05:00 PM	0	0	0	0	0	0	356	70	0	426	60	0	129	47	189	0	278	105	0	383	47	998	1045
05:15 PM	0	0	0	0	0	0	330	42	0	372	82	0	168	43	250	0	251	69	0	320	43	942	985
05:30 PM	0	0	0	0	0	0	319	51	0	370	85	0	162	12	247	0	302	73	0	375	12	992	1004
05:45 PM	0	0	0	0	0	0	305	31	0	336	109	0	184	3	293	0	261	57	0	318	3	947	950
Total	0	0	0	0	0	0	1310	194	0	1504	336	0	643	105	979	0	1092	304	0	1396	105	3879	3984
Grand Total	0	0	0	0	0	0	2548	410	0	2958	551	0	1139	420	1690	0	1958	684	0	2642	420	7290	7710
Apprch %	0	0	0			0	86.1	13.9			32.6	0	67.4			0	74.1	25.9					
Total %	0	0	0			0	35	5.6		40.6	7.6	0	15.6		23.2	0	26.9	9.4		36.2	5.4	94.6	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	356	70	426	60	0	129	189	0	278	105	383	998
05:15 PM	0	0	0	0	0	330	42	372	82	0	168	250	0	251	69	320	942
05:30 PM	0	0	0	0	0	319	51	370	85	0	162	247	0	302	73	375	992
05:45 PM	0	0	0	0	0	305	31	336	109	0	184	293	0	261	57	318	947
Total Volume	0	0	0	0	0	1310	194	1504	336	0	643	979	0	1092	304	1396	3879
% App. Total	0	0	0		0	87.1	12.9		34.3	0	65.7		0	78.2	21.8		
PHF	.000	.000	.000	.000	.000	.920	.693	.883	.771	.000	.874	.835	.000	.904	.724	.911	.972

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	356	70	426	60	0	129	189	0	278	105	383	
+15 mins.	0	0	0	0	0	330	42	372	82	0	168	250	0	251	69	320	
+30 mins.	0	0	0	0	0	319	51	370	85	0	162	247	0	302	73	375	
+45 mins.	0	0	0	0	0	305	31	336	109	0	184	293	0	261	57	318	
Total Volume	0	0	0	0	0	1310	194	1504	336	0	643	979	0	1092	304	1396	
% App. Total	0	0	0	0	0	87.1	12.9		34.3	0	65.7		0	78.2	21.8		
PHF	.000	.000	.000	.000	.000	.920	.693	.883	.771	.000	.874	.835	.000	.904	.724	.911	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
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File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
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 Page No : 1

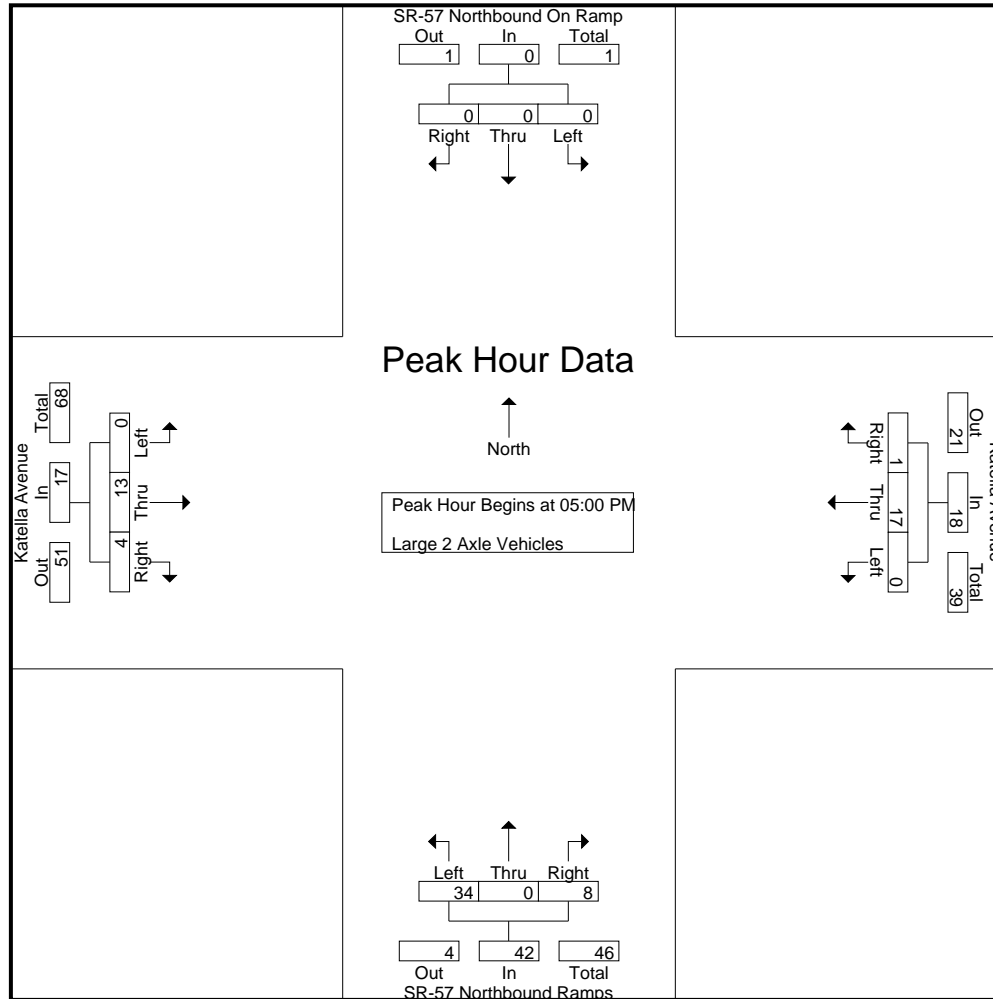
Groups Printed- Large 2 Axle Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	7	2	0	9	5	0	6	4	11	0	8	1	0	9	4	29	33
04:15 PM	0	0	0	0	0	0	4	1	0	5	1	0	2	1	3	0	4	1	0	5	1	13	14
04:30 PM	0	0	0	0	0	0	5	1	0	6	5	0	1	1	6	0	8	1	0	9	1	21	22
04:45 PM	0	0	0	0	0	0	1	0	0	1	2	0	6	2	8	0	6	1	0	7	2	16	18
Total	0	0	0	0	0	0	17	4	0	21	13	0	15	8	28	0	26	4	0	30	8	79	87
05:00 PM	0	0	0	0	0	0	5	1	0	6	3	0	3	1	6	0	5	1	0	6	1	18	19
05:15 PM	0	0	0	0	0	0	1	0	0	1	4	0	0	0	4	0	0	2	0	2	0	7	7
05:30 PM	0	0	0	0	0	0	8	0	0	8	14	0	4	0	18	0	7	0	0	7	0	33	33
05:45 PM	0	0	0	0	0	0	3	0	0	3	13	0	1	0	14	0	1	1	0	2	0	19	19
Total	0	0	0	0	0	0	17	1	0	18	34	0	8	1	42	0	13	4	0	17	1	77	78
Grand Total	0	0	0	0	0	0	34	5	0	39	47	0	23	9	70	0	39	8	0	47	9	156	165
Apprch %	0	0	0			0	87.2	12.8			67.1	0	32.9			0	83	17					
Total %	0	0	0			0	21.8	3.2		25	30.1	0	14.7		44.9	0	25	5.1		30.1	5.5	94.5	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	5	1	6	3	0	3	6	0	5	1	6	18
05:15 PM	0	0	0	0	0	1	0	1	4	0	0	4	0	0	2	2	7
05:30 PM	0	0	0	0	0	8	0	8	14	0	4	18	0	7	0	7	33
05:45 PM	0	0	0	0	0	3	0	3	13	0	1	14	0	1	1	2	19
Total Volume	0	0	0	0	0	17	1	18	34	0	8	42	0	13	4	17	77
% App. Total	0	0	0		0	94.4	5.6		81	0	19		0	76.5	23.5		
PHF	.000	.000	.000	.000	.000	.531	.250	.563	.607	.000	.500	.583	.000	.464	.500	.607	.583

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	5	1	6	3	0	3	6	0	5	1	6	
+15 mins.	0	0	0	0	0	1	0	1	4	0	0	4	0	0	2	2	
+30 mins.	0	0	0	0	0	8	0	8	14	0	4	18	0	7	0	7	
+45 mins.	0	0	0	0	0	3	0	3	13	0	1	14	0	1	1	2	
Total Volume	0	0	0	0	0	17	1	18	34	0	8	42	0	13	4	17	
% App. Total	0	0	0	0	0	94.4	5.6		81	0	19		0	76.5	23.5		
PHF	.000	.000	.000	.000	.000	.531	.250	.563	.607	.000	.500	.583	.000	.464	.500	.607	

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

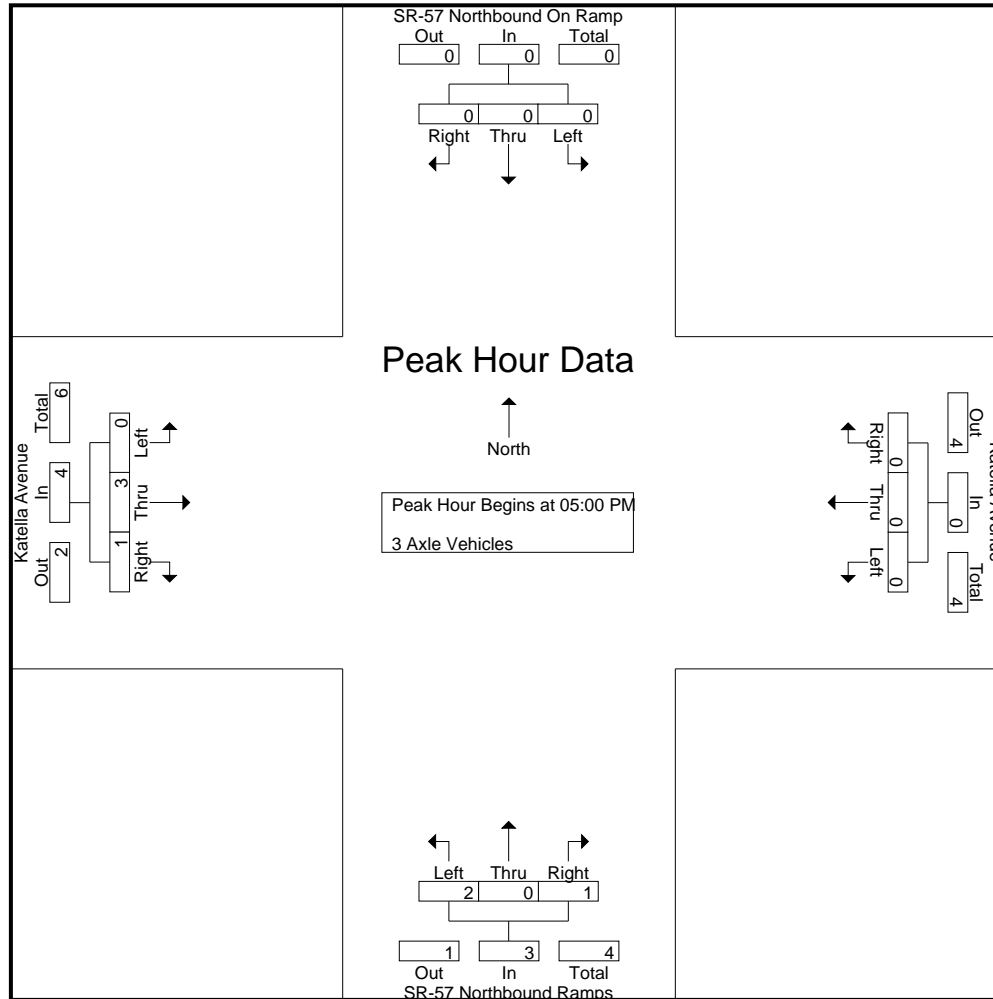
Groups Printed- 3 Axle Vehicles

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	1	2	3
04:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2	0	0	2	0	4	4
04:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	1	2	3
Total	0	0	0	0	0	0	3	0	0	3	2	0	2	2	4	0	2	0	0	2	2	9	11
05:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	0	2	1	0	3	0	5	5
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	2	0	1	0	3	0	3	1	0	4	0	7	7
Grand Total	0	0	0	0	0	0	3	0	0	3	4	0	3	2	7	0	5	1	0	6	2	16	18
Apprch %	0	0	0			0	100	0			57.1	0	42.9			0	83.3	16.7					
Total %	0	0	0			0	18.8	0		18.8	25	0	18.8		43.8	0	31.2	6.2		37.5	11.1	88.9	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	1	0	1	2	0	2	1	3	5
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	2	0	1	3	0	3	1	4	7
% App. Total	0	0	0		0	0	0		66.7	0	33.3		0	75	25		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.500	.000	.250	.375	.000	.375	.250	.333	.350

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
+30 mins.	0	0	0	0	0	0	0	0	1	0	1	2	0	2	1	0	3
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	0	0	0	0	0	0	0	2	0	1	3	0	3	1	0	4
% App. Total	0	0	0	0	0	0	0	0	66.7	0	33.3		0	75	25		
PHF	.000	.000	.000	.000	.000	.000	.000	.000	.500	.000	.250	.375	.000	.375	.250		.333

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

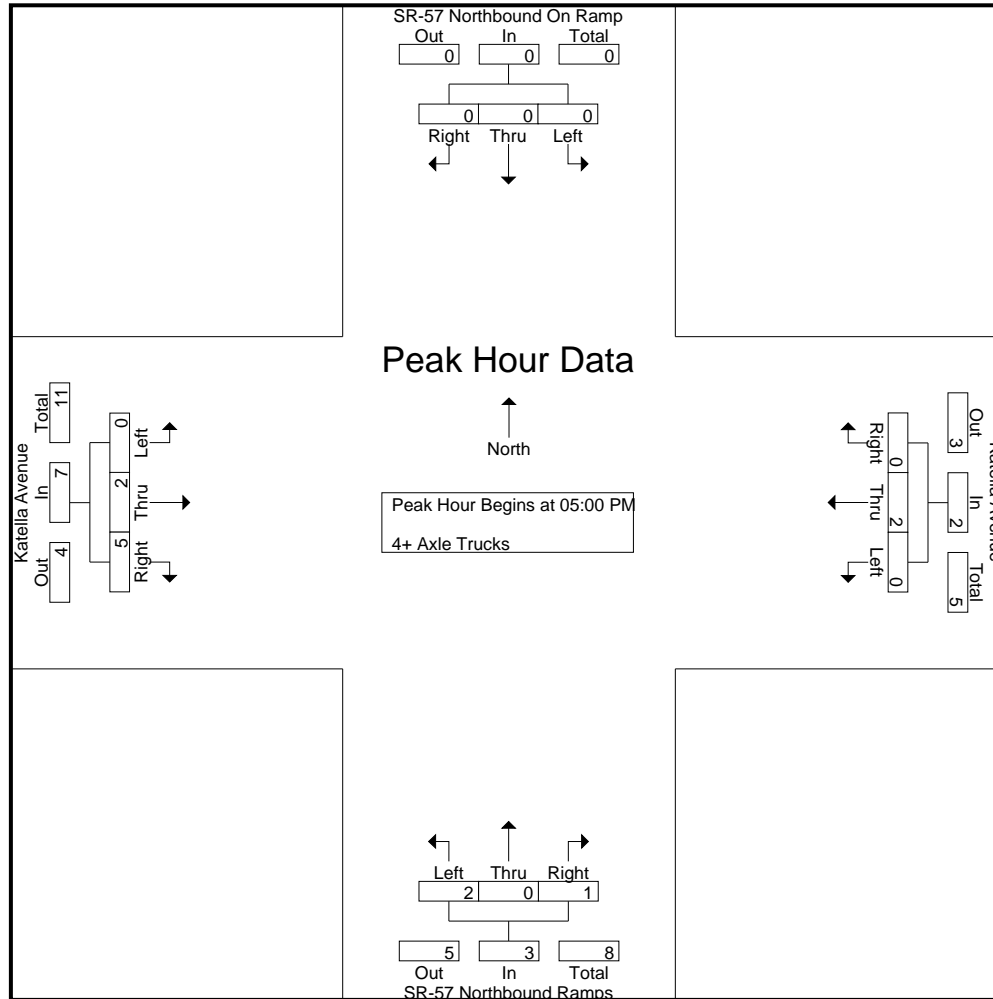
Groups Printed- 4+ Axle Trucks

Start Time	SR-57 Northbound On Ramp Southbound					Katella Avenue Westbound					SR-57 Northbound Ramps Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	0	2	0	0	2	0	0	4	4
04:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2	0	0	2	0	0	3	3
04:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:45 PM	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	0	0	0	0	0	0	1	1	0	2	1	0	1	0	2	0	4	0	0	4	0	0	8	8
05:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	1	0	1	0	0	3	3
05:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	3	0	4	0	0	5	5
05:30 PM	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	1	0	1	0	0	3	3
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1
Total	0	0	0	0	0	0	2	0	0	2	2	0	1	0	3	0	2	5	0	7	0	0	12	12
Grand Total	0	0	0	0	0	0	3	1	0	4	3	0	2	0	5	0	6	5	0	11	0	0	20	20
Apprch %	0	0	0			0	75	25			60	0	40			0	54.5	45.5			0	0		
Total %	0	0	0			0	15	5		20	15	0	10		25	0	30	25		55	0	0	100	

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1	3
05:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	3	4	5
05:30 PM	0	0	0	0	0	1	0	1	1	0	0	1	0	0	1	1	3
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total Volume	0	0	0	0	0	2	0	2	2	0	1	3	0	2	5	7	12
% App. Total	0	0	0		0	100	0		66.7	0	33.3		0	28.6	71.4		
PHF	.000	.000	.000	.000	.000	.500	.000	.500	.500	.000	.250	.750	.000	.500	.417	.438	.600

City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Anaheim
 N/S: SR-57 Northbound Ramps
 E/W: Katella Avenue
 Weather: Clear

File Name : 02_ANA_57N_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	SR-57 Northbound On Ramp Southbound				Katella Avenue Westbound				SR-57 Northbound Ramps Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	1	
+15 mins.	0	0	0	0	0	0	0	0	1	0	0	1	0	1	3	4	
+30 mins.	0	0	0	0	0	1	0	1	1	0	0	1	0	0	1	1	
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Total Volume	0	0	0	0	0	2	0	2	2	0	1	3	0	2	5	7	
% App. Total	0	0	0	0	0	100	0		66.7	0	33.3		0	28.6	71.4		
PHF	.000	.000	.000	.000	.000	.500	.000	.500	.500	.000	.250	.750	.000	.500	.417	.438	

Location: Anaheim
 N/S: SR-57 NB Ramps
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg SR-57 NB Ramps	East Leg Katella Avenue	South Leg SR-57 NB Ramps	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	0	0	1	0	1
7:15 AM	0	0	1	0	1
7:30 AM	0	0	1	0	1
7:45 AM	0	0	1	0	1
8:00 AM	0	0	2	0	2
8:15 AM	0	0	0	0	0
8:30 AM	0	0	1	0	1
8:45 AM	1	0	1	0	2
TOTAL VOLUMES:	1	0	8	0	9

	North Leg SR-57 NB Ramps	East Leg Katella Avenue	South Leg SR-57 NB Ramps	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	0	0	2	0	2
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	4	0	4
5:00 PM	0	0	4	0	4
5:15 PM	0	0	1	0	1
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	0	0	11	0	11

Location: Anaheim
 N/S: SR-57 NB Ramps
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound SR-57 NB Ramps			Westbound Katella Avenue			Northbound SR-57 NB Ramps			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	5	0	0	0	0	0	1	0	6
7:15 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	1	0	0	0	0	0	2	0	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	7	0	0	0	0	0	4	0	11

	Southbound SR-57 NB Ramps			Westbound Katella Avenue			Northbound SR-57 NB Ramps			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
4:30 PM	0	0	0	0	2	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	2	0	0	0	0	0	4	0	6

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

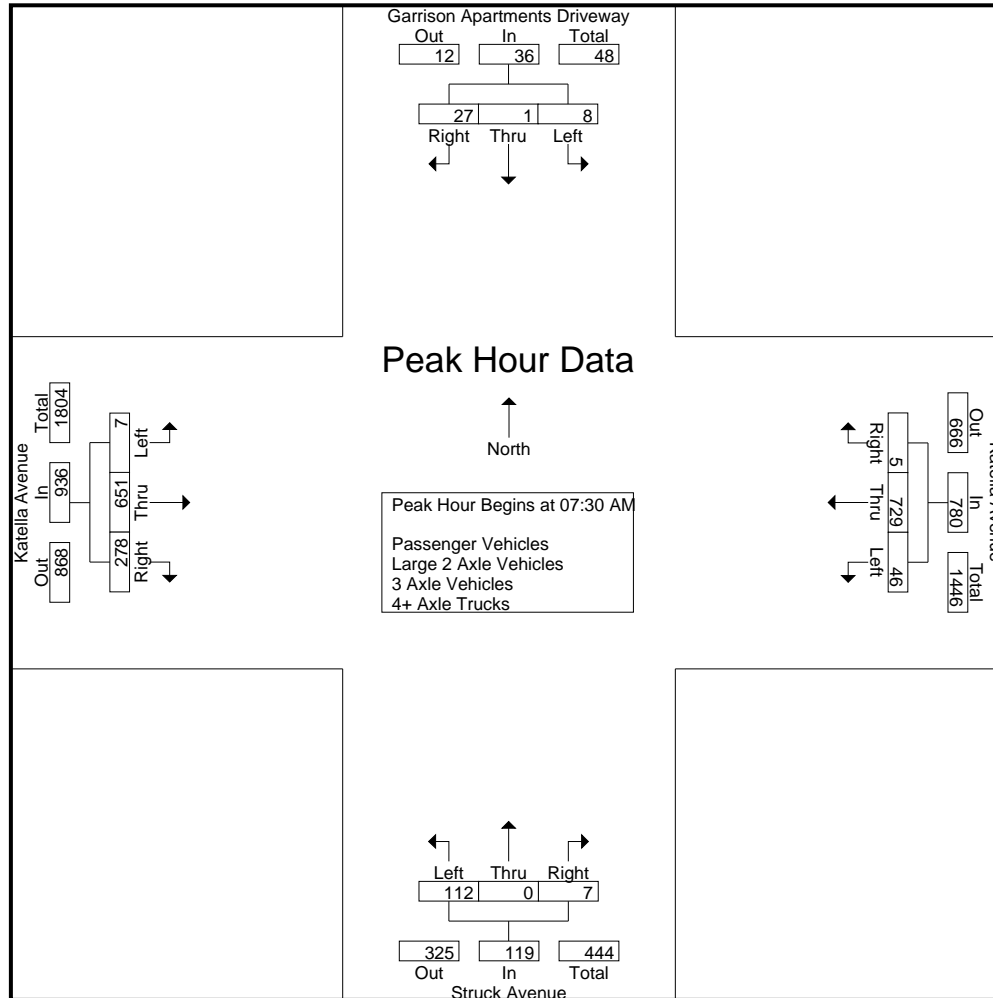
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	1	0	3	0	4	3	140	0	0	143	25	0	1	0	26	0	99	49	15	148	15	321	336
07:15 AM	2	1	8	2	11	8	113	0	0	121	35	0	1	0	36	1	128	51	16	180	18	348	366
07:30 AM	0	0	6	3	6	9	168	1	0	178	18	0	1	0	19	2	139	69	24	210	27	413	440
07:45 AM	4	0	9	4	13	10	165	1	1	176	28	0	1	0	29	2	179	73	30	254	35	472	507
Total	7	1	26	9	34	30	586	2	1	618	106	0	4	0	110	5	545	242	85	792	95	1554	1649
08:00 AM	2	0	5	2	7	10	194	2	0	206	28	0	1	0	29	3	177	77	24	257	26	499	525
08:15 AM	2	1	7	1	10	17	202	1	0	220	38	0	4	3	42	0	156	59	23	215	27	487	514
08:30 AM	0	1	3	2	4	12	137	0	0	149	23	0	1	1	24	0	161	64	13	225	16	402	418
08:45 AM	1	0	1	0	2	9	160	1	0	170	33	0	3	0	36	1	145	76	22	222	22	430	452
Total	5	2	16	5	23	48	693	4	0	745	122	0	9	4	131	4	639	276	82	919	91	1818	1909
Grand Total	12	3	42	14	57	78	1279	6	1	1363	228	0	13	4	241	9	1184	518	167	1711	186	3372	3558
Apprch %	21.1	5.3	73.7			5.7	93.8	0.4			94.6	0	5.4			0.5	69.2	30.3					
Total %	0.4	0.1	1.2		1.7	2.3	37.9	0.2		40.4	6.8	0	0.4		7.1	0.3	35.1	15.4		50.7	5.2	94.8	
Passenger Vehicles	12	3	42		71	78	1161	6		1246	215	0	13		232	8	1093	491		1751	0	0	3300
% Passenger Vehicles	100	100	100	100	100	100	90.8	100	100	91.3	94.3	0	100	100	94.7	88.9	92.3	94.8	95.2	93.2	0	0	92.7
Large 2 Axle Vehicles	0	0	0		0	0	89	0		89	12	0	0		12	1	69	24		102	0	0	203
% Large 2 Axle Vehicles	0	0	0	0	0	0	7	0	0	6.5	5.3	0	0	0	4.9	11.1	5.8	4.6	4.8	5.4	0	0	5.7
3 Axle Vehicles	0	0	0		0	0	7	0		7	1	0	0		1	0	6	2		8	0	0	16
% 3 Axle Vehicles	0	0	0	0	0	0	0.5	0	0	0.5	0.4	0	0	0	0.4	0	0.5	0.4	0	0.4	0	0	0.4
4+ Axle Trucks	0	0	0		0	0	22	0		22	0	0	0		0	0	16	1		17	0	0	39
% 4+ Axle Trucks	0	0	0	0	0	0	1.7	0	0	1.6	0	0	0	0	0	0	1.4	0.2	0	0.9	0	0	1.1

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	6	6	9	168	1	178	18	0	1	19	2	139	69	210	413
07:45 AM	4	0	9	13	10	165	1	176	28	0	1	29	2	179	73	254	472
08:00 AM	2	0	5	7	10	194	2	206	28	0	1	29	3	177	77	257	499
08:15 AM	2	1	7	10	17	202	1	220	38	0	4	42	0	156	59	215	487
Total Volume	8	1	27	36	46	729	5	780	112	0	7	119	7	651	278	936	1871
% App. Total	22.2	2.8	75		5.9	93.5	0.6		94.1	0	5.9		0.7	69.6	29.7		
PHF	.500	.250	.750	.692	.676	.902	.625	.886	.737	.000	.438	.708	.583	.909	.903	.911	.937

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:30 AM				08:00 AM				07:45 AM				
+0 mins.	2	1	8	11	9	168	1	178	28	0	1	29	2	179	73	254	
+15 mins.	0	0	6	6	10	165	1	176	38	0	4	42	3	177	77	257	
+30 mins.	4	0	9	13	10	194	2	206	23	0	1	24	0	156	59	215	
+45 mins.	2	0	5	7	17	202	1	220	33	0	3	36	0	161	64	225	
Total Volume	8	1	28	37	46	729	5	780	122	0	9	131	5	673	273	951	
% App. Total	21.6	2.7	75.7		5.9	93.5	0.6		93.1	0	6.9		0.5	70.8	28.7		
PHF	.500	.250	.778	.712	.676	.902	.625	.886	.803	.000	.563	.780	.417	.940	.886	.925	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

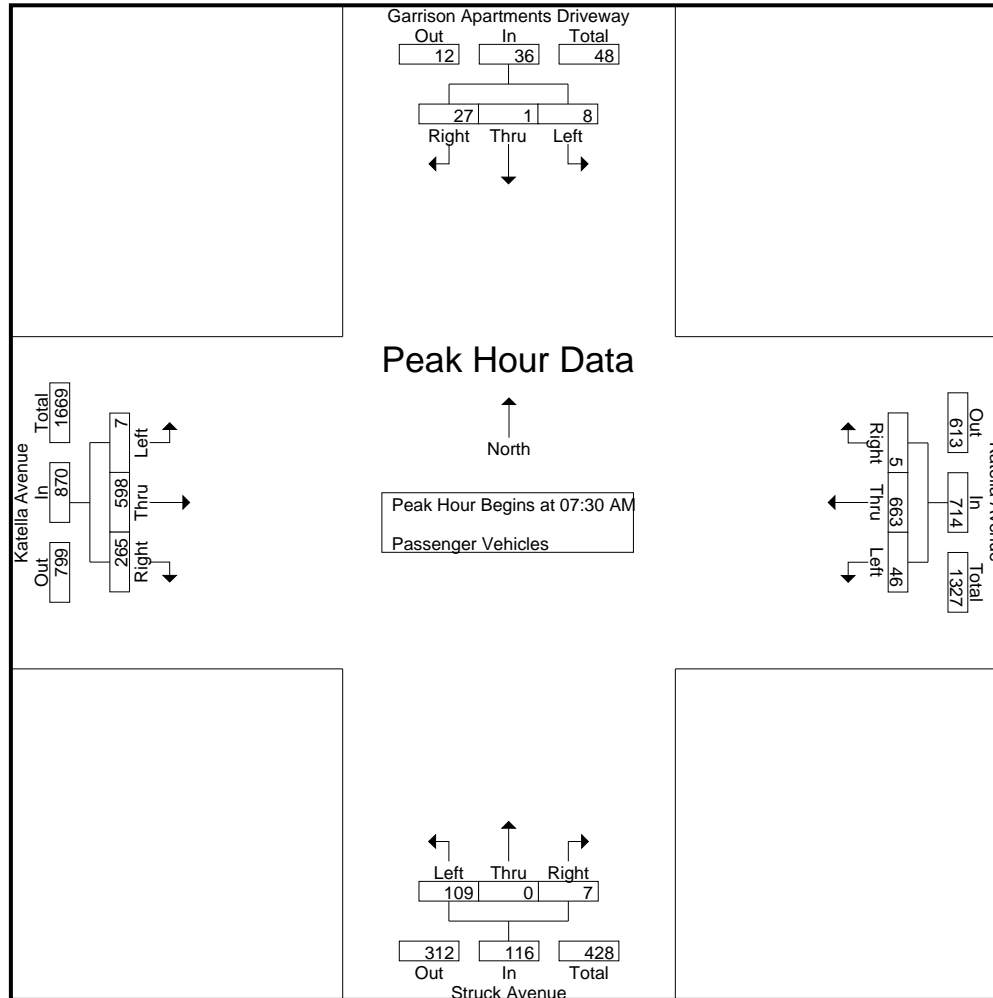
Groups Printed- Passenger Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	1	0	3	0	4	3	125	0	0	128	21	0	1	0	22	0	92	45	13	137	13	291	304
07:15 AM	2	1	8	2	11	8	101	0	0	109	34	0	1	0	35	0	120	49	15	169	17	324	341
07:30 AM	0	0	6	3	6	9	153	1	0	163	18	0	1	0	19	2	126	64	23	192	26	380	406
07:45 AM	4	0	9	4	13	10	150	1	1	161	26	0	1	0	27	2	163	72	29	237	34	438	472
Total	7	1	26	9	34	30	529	2	1	561	99	0	4	0	103	4	501	230	80	735	90	1433	1523
08:00 AM	2	0	5	2	7	10	177	2	0	189	28	0	1	0	29	3	162	74	24	239	26	464	490
08:15 AM	2	1	7	1	10	17	183	1	0	201	37	0	4	3	41	0	147	55	22	202	26	454	480
08:30 AM	0	1	3	2	4	12	123	0	0	135	21	0	1	1	22	0	149	61	12	210	15	371	386
08:45 AM	1	0	1	0	2	9	149	1	0	159	30	0	3	0	33	1	134	71	21	206	21	400	421
Total	5	2	16	5	23	48	632	4	0	684	116	0	9	4	125	4	592	261	79	857	88	1689	1777
Grand Total	12	3	42	14	57	78	1161	6	1	1245	215	0	13	4	228	8	1093	491	159	1592	178	3122	3300
Apprch %	21.1	5.3	73.7			6.3	93.3	0.5			94.3	0	5.7			0.5	68.7	30.8					
Total %	0.4	0.1	1.3		1.8	2.5	37.2	0.2		39.9	6.9	0	0.4		7.3	0.3	35	15.7		51	5.4	94.6	

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	6	6	9	153	1	163	18	0	1	19	2	126	64	192	380
07:45 AM	4	0	9	13	10	150	1	161	26	0	1	27	2	163	72	237	438
08:00 AM	2	0	5	7	10	177	2	189	28	0	1	29	3	162	74	239	464
08:15 AM	2	1	7	10	17	183	1	201	37	0	4	41	0	147	55	202	454
Total Volume	8	1	27	36	46	663	5	714	109	0	7	116	7	598	265	870	1736
% App. Total	22.2	2.8	75		6.4	92.9	0.7		94	0	6		0.8	68.7	30.5		
PHF	.500	.250	.750	.692	.676	.906	.625	.888	.736	.000	.438	.707	.583	.917	.895	.910	.935

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	6	6	9	153	1	163	18	0	1	19	2	126	64	192	
+15 mins.	4	0	9	13	10	150	1	161	26	0	1	27	2	163	72	237	
+30 mins.	2	0	5	7	10	177	2	189	28	0	1	29	3	162	74	239	
+45 mins.	2	1	7	10	17	183	1	201	37	0	4	41	0	147	55	202	
Total Volume	8	1	27	36	46	663	5	714	109	0	7	116	7	598	265	870	
% App. Total	22.2	2.8	75		6.4	92.9	0.7		94	0	6		0.8	68.7	30.5		
PHF	.500	.250	.750	.692	.676	.906	.625	.888	.736	.000	.438	.707	.583	.917	.895	.910	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

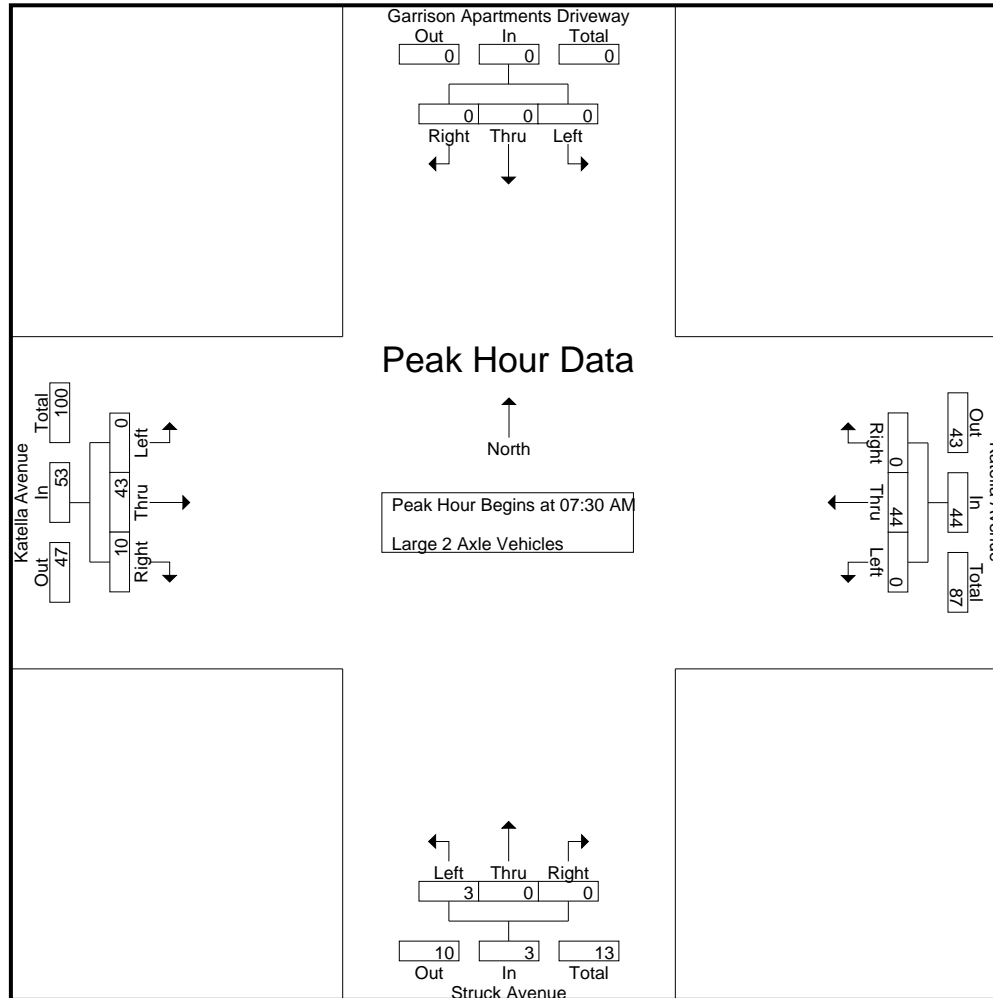
Groups Printed- Large 2 Axle Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	0	0	0	0	0	13	0	0	13	3	0	0	0	3	0	6	4	2	10	2	26	28
07:15 AM	0	0	0	0	0	0	12	0	0	12	1	0	0	0	1	1	7	2	1	10	1	23	24
07:30 AM	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	11	4	1	15	1	23	24
07:45 AM	0	0	0	0	0	0	11	0	0	11	2	0	0	0	2	0	14	1	1	15	1	28	29
Total	0	0	0	0	0	0	44	0	0	44	6	0	0	0	6	1	38	11	5	50	5	100	105
08:00 AM	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	14	3	0	17	0	31	31
08:15 AM	0	0	0	0	0	0	11	0	0	11	1	0	0	0	1	0	4	2	1	6	1	18	19
08:30 AM	0	0	0	0	0	0	11	0	0	11	2	0	0	0	2	0	8	3	1	11	1	24	25
08:45 AM	0	0	0	0	0	0	9	0	0	9	3	0	0	0	3	0	5	5	1	10	1	22	23
Total	0	0	0	0	0	0	45	0	0	45	6	0	0	0	6	0	31	13	3	44	3	95	98
Grand Total	0	0	0	0	0	0	89	0	0	89	12	0	0	0	12	1	69	24	8	94	8	195	203
Apprch %	0	0	0			0	100	0			100	0	0			1.1	73.4	25.5					
Total %	0	0	0			0	45.6	0		45.6	6.2	0	0		6.2	0.5	35.4	12.3		48.2	3.9	96.1	

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	8	0	8	0	0	0	0	0	11	4	15	23
07:45 AM	0	0	0	0	0	11	0	11	2	0	0	2	0	14	1	15	28
08:00 AM	0	0	0	0	0	14	0	14	0	0	0	0	0	14	3	17	31
08:15 AM	0	0	0	0	0	11	0	11	1	0	0	1	0	4	2	6	18
Total Volume	0	0	0	0	0	44	0	44	3	0	0	3	0	43	10	53	100
% App. Total	0	0	0		0	100	0		100	0	0		0	81.1	18.9		
PHF	.000	.000	.000	.000	.000	.786	.000	.786	.375	.000	.000	.375	.000	.768	.625	.779	.806

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	8	0	8	0	0	0	0	0	11	4	15	
+15 mins.	0	0	0	0	0	11	0	11	2	0	0	2	0	14	1	15	
+30 mins.	0	0	0	0	0	14	0	14	0	0	0	0	0	14	3	17	
+45 mins.	0	0	0	0	0	11	0	11	1	0	0	1	0	4	2	6	
Total Volume	0	0	0	0	0	44	0	44	3	0	0	3	0	43	10	53	
% App. Total	0	0	0	0	0	100	0	100	100	0	0	100	0	81.1	18.9		
PHF	.000	.000	.000	.000	.000	.786	.000	.786	.375	.000	.000	.375	.000	.768	.625	.779	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

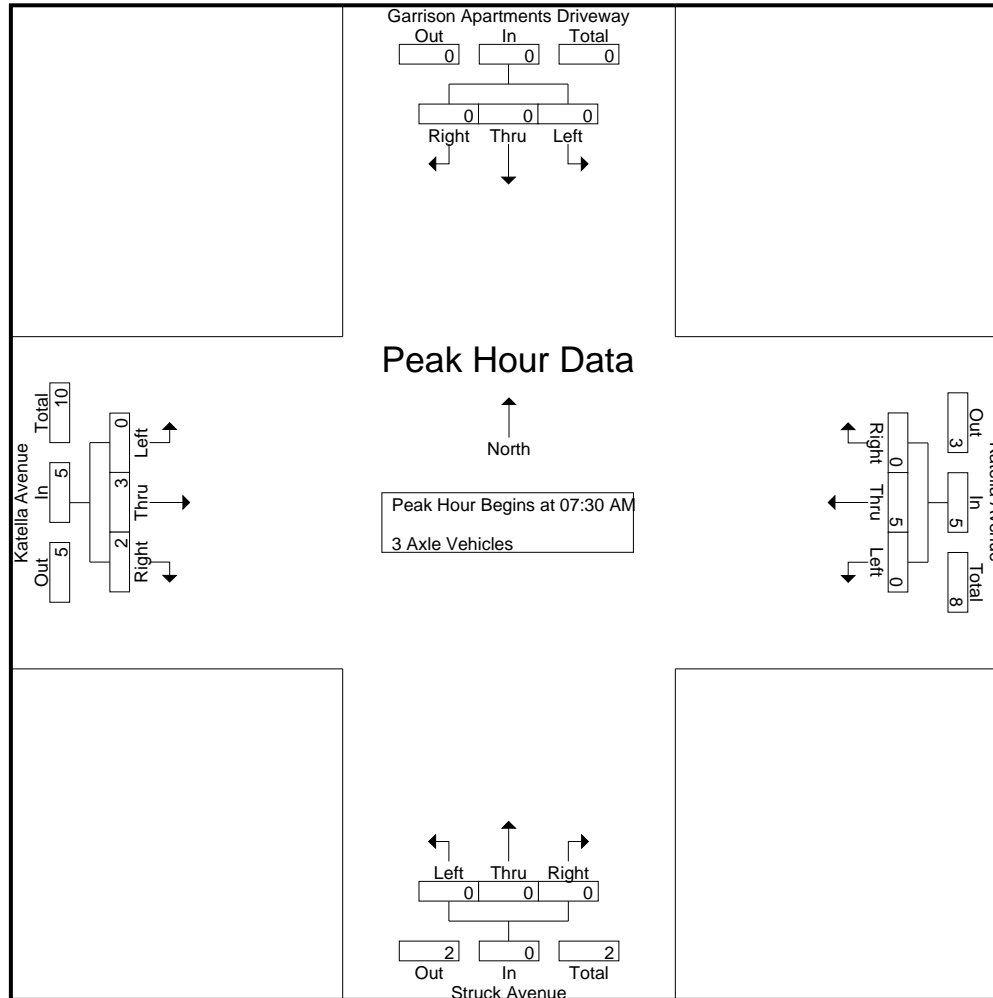
Groups Printed- 3 Axle Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total				
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total							
07:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1	0	1	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	1	1
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	1
07:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	3	3
Total	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	0	2	1	0	3	0	2	1	3	0	6	6
08:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
08:15 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	1	0	3	0	5	0	5	0	5	5
08:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	4	0	4	0	4	4
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	4	1	0	5	0	10	0	10	0	10	10
Grand Total	0	0	0	0	0	0	7	0	0	7	1	0	0	0	1	0	6	2	0	8	0	16	0	16	0	16	16
Apprch %	0	0	0			0	100	0			100	0	0			0	75	25			0	16	0	16	0	16	16
Total %	0	0	0			0	43.8	0		43.8	6.2	0	0		6.2	0	37.5	12.5		50	0	100	0	100	0	100	100

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	0	0	0	0	1	1	1
07:45 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	3
08:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
08:15 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	2	1	3	5
Total Volume	0	0	0	0	0	5	0	5	0	0	0	0	0	3	2	5	10
% App. Total	0	0	0		0	100	0		0	0	0		0	60	40		10
PHF	.000	.000	.000	.000	.000	.625	.000	.625	.000	.000	.000	.000	.000	.375	.500	.417	.500

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	0	0	0	0	0	0	0	0	0	1	1	
+15 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	
+30 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	
+45 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	2	1	3	
Total Volume	0	0	0	0	0	5	0	5	0	0	0	0	0	3	2	5	
% App. Total	0	0	0	0	0	100	0	0	0	0	0	0	0	60	40	0	
PHF	.000	.000	.000	.000	.000	.625	.000	.625	.000	.000	.000	.000	.000	.375	.500	.417	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

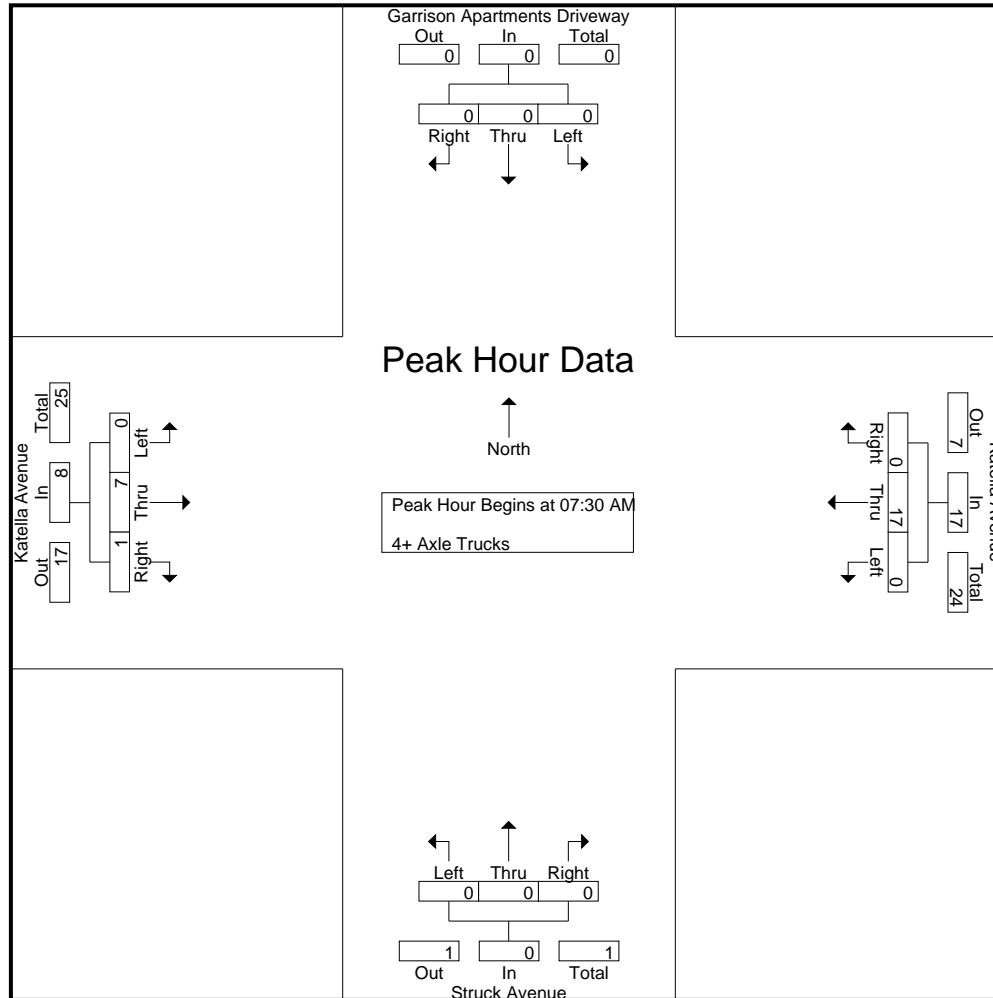
Groups Printed- 4+ Axle Trucks

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
07:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	3	3
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	2	0	0	2	0	9	9	9
07:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3	3
Total	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	4	0	0	4	0	15	15	15
08:00 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3	3
08:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	3	1	0	4	0	10	10	10
08:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	3	3	3
08:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6	0	0	6	0	8	8	8
Total	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	12	1	0	13	0	24	24	24
Grand Total	0	0	0	0	0	0	22	0	0	22	0	0	0	0	0	0	16	1	0	17	0	39	39	39
Apprch %	0	0	0			0	100	0			0	0	0			0	94.1	5.9			0			
Total %	0	0	0			0	56.4	0		56.4	0	0	0			0	41	2.6		43.6	0	100		

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	7	0	7	0	0	0	0	0	2	0	2	9
07:45 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	3
08:00 AM	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	3
08:15 AM	0	0	0	0	0	6	0	6	0	0	0	0	0	3	1	4	10
Total Volume	0	0	0	0	0	17	0	17	0	0	0	0	0	7	1	8	25
% App. Total	0	0	0		0	100	0		0	0	0		0	87.5	12.5		
PHF	.000	.000	.000	.000	.000	.607	.000	.607	.000	.000	.000	.000	.000	.583	.250	.500	.625

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	7	0	7	0	0	0	0	0	2	0	2	
+15 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	
+30 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	
+45 mins.	0	0	0	0	0	6	0	6	0	0	0	0	0	3	1	4	
Total Volume	0	0	0	0	0	17	0	17	0	0	0	0	0	7	1	8	
% App. Total	0	0	0	0	0	100	0		0	0	0	0	0	87.5	12.5		
PHF	.000	.000	.000	.000	.000	.607	.000	.607	.000	.000	.000	.000	.000	.583	.250	.500	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

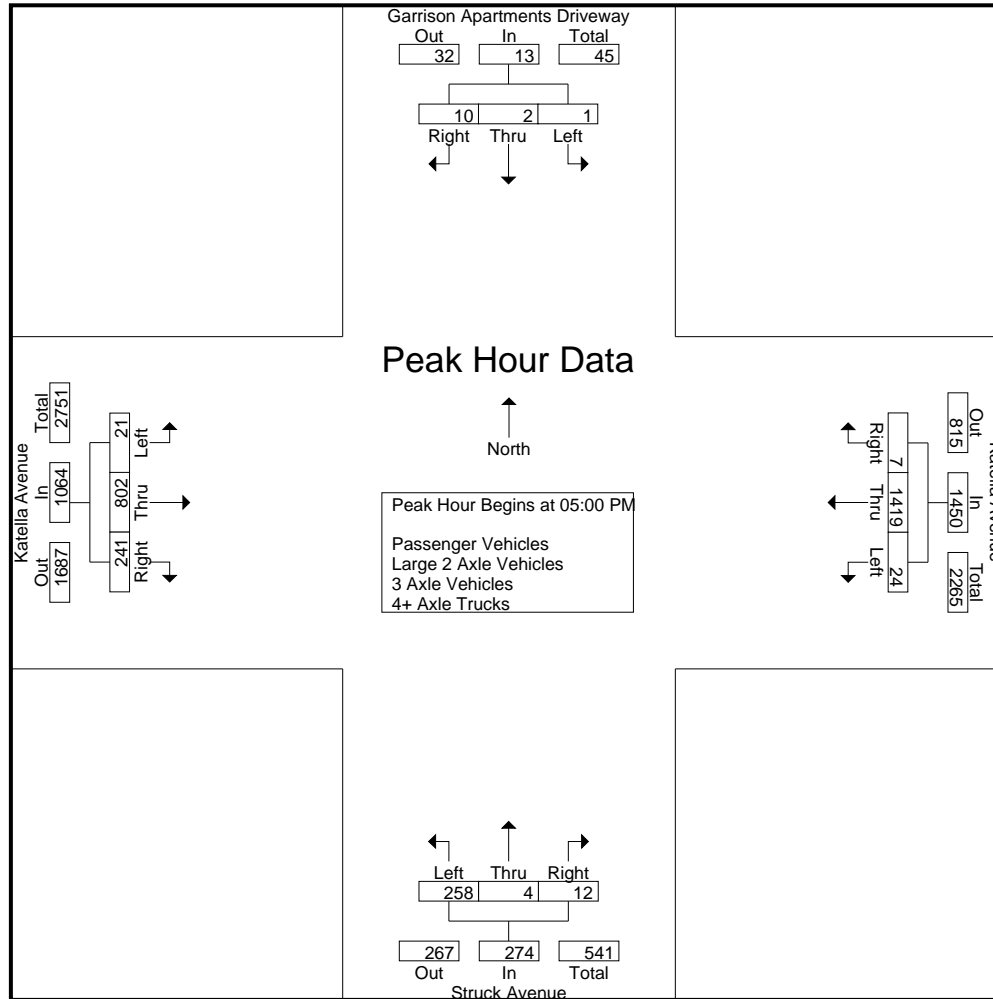
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	2	0	1	0	3	1	281	1	0	283	74	0	6	0	80	9	192	70	9	271	9	637	646
04:15 PM	1	0	1	0	2	4	252	1	0	257	85	0	3	0	88	3	168	69	7	240	7	587	594
04:30 PM	1	0	1	1	2	7	261	4	0	272	77	0	1	1	78	7	225	67	5	299	7	651	658
04:45 PM	0	0	0	0	0	6	315	2	0	323	62	0	1	0	63	5	212	55	5	272	5	658	663
Total	4	0	3	1	7	18	1109	8	0	1135	298	0	11	1	309	24	797	261	26	1082	28	2533	2561
05:00 PM	0	1	1	0	2	3	322	1	0	326	88	0	5	0	93	8	217	64	1	289	1	710	711
05:15 PM	0	0	4	0	4	7	402	0	0	409	63	0	1	1	64	4	199	62	4	265	5	742	747
05:30 PM	0	1	0	0	1	7	327	5	0	339	64	3	3	2	70	9	187	59	4	255	6	665	671
05:45 PM	1	0	5	3	6	7	368	1	0	376	43	1	3	0	47	0	199	56	16	255	19	684	703
Total	1	2	10	3	13	24	1419	7	0	1450	258	4	12	3	274	21	802	241	25	1064	31	2801	2832
Grand Total	5	2	13	4	20	42	2528	15	0	2585	556	4	23	4	583	45	1599	502	51	2146	59	5334	5393
Apprch %	25	10	65			1.6	97.8	0.6			95.4	0.7	3.9			2.1	74.5	23.4					
Total %	0.1	0	0.2		0.4	0.8	47.4	0.3		48.5	10.4	0.1	0.4		10.9	0.8	30	9.4		40.2	1.1	98.9	
Passenger Vehicles	5	2	13		24	42	2461	15		2518	550	4	22		579	45	1533	480		2106	0	0	5227
% Passenger Vehicles	100	100	100	100	100	100	97.3	100	0	97.4	98.9	100	95.7	75	98.6	100	95.9	95.6	94.1	95.9	0	0	96.9
Large 2 Axle Vehicles	0	0	0		0	0	59	0		59	6	0	1		8	0	55	20		78	0	0	145
% Large 2 Axle Vehicles	0	0	0	0	0	0	2.3	0	0	2.3	1.1	0	4.3	25	1.4	0	3.4	4	5.9	3.6	0	0	2.7
3 Axle Vehicles	0	0	0		0	0	2	0		2	0	0	0		0	0	5	2		7	0	0	9
% 3 Axle Vehicles	0	0	0	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0.3	0.4	0	0.3	0	0	0.2
4+ Axle Trucks	0	0	0		0	0	6	0		6	0	0	0		0	0	6	0		6	0	0	12
% 4+ Axle Trucks	0	0	0	0	0	0	0.2	0	0	0.2	0	0	0	0	0	0	0.4	0	0	0.3	0	0	0.2

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	1	1	2	3	322	1	326	88	0	5	93	8	217	64	289	710
05:15 PM	0	0	4	4	7	402	0	409	63	0	1	64	4	199	62	265	742
05:30 PM	0	1	0	1	7	327	5	339	64	3	3	70	9	187	59	255	665
05:45 PM	1	0	5	6	7	368	1	376	43	1	3	47	0	199	56	255	684
Total Volume	1	2	10	13	24	1419	7	1450	258	4	12	274	21	802	241	1064	2801
% App. Total	7.7	15.4	76.9		1.7	97.9	0.5		94.2	1.5	4.4		2	75.4	22.7		
PHF	.250	.500	.500	.542	.857	.882	.350	.886	.733	.333	.600	.737	.583	.924	.941	.920	.944

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				05:00 PM				04:15 PM				04:30 PM				
+0 mins.	0	1	1	2	3	322	1	326	85	0	3	88	7	225	67	299	
+15 mins.	0	0	4	4	7	402	0	409	77	0	1	78	5	212	55	272	
+30 mins.	0	1	0	1	7	327	5	339	62	0	1	63	8	217	64	289	
+45 mins.	1	0	5	6	7	368	1	376	88	0	5	93	4	199	62	265	
Total Volume	1	2	10	13	24	1419	7	1450	312	0	10	322	24	853	248	1125	
% App. Total	7.7	15.4	76.9		1.7	97.9	0.5		96.9	0	3.1		2.1	75.8	22		
PHF	.250	.500	.500	.542	.857	.882	.350	.886	.886	.000	.500	.866	.750	.948	.925	.941	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

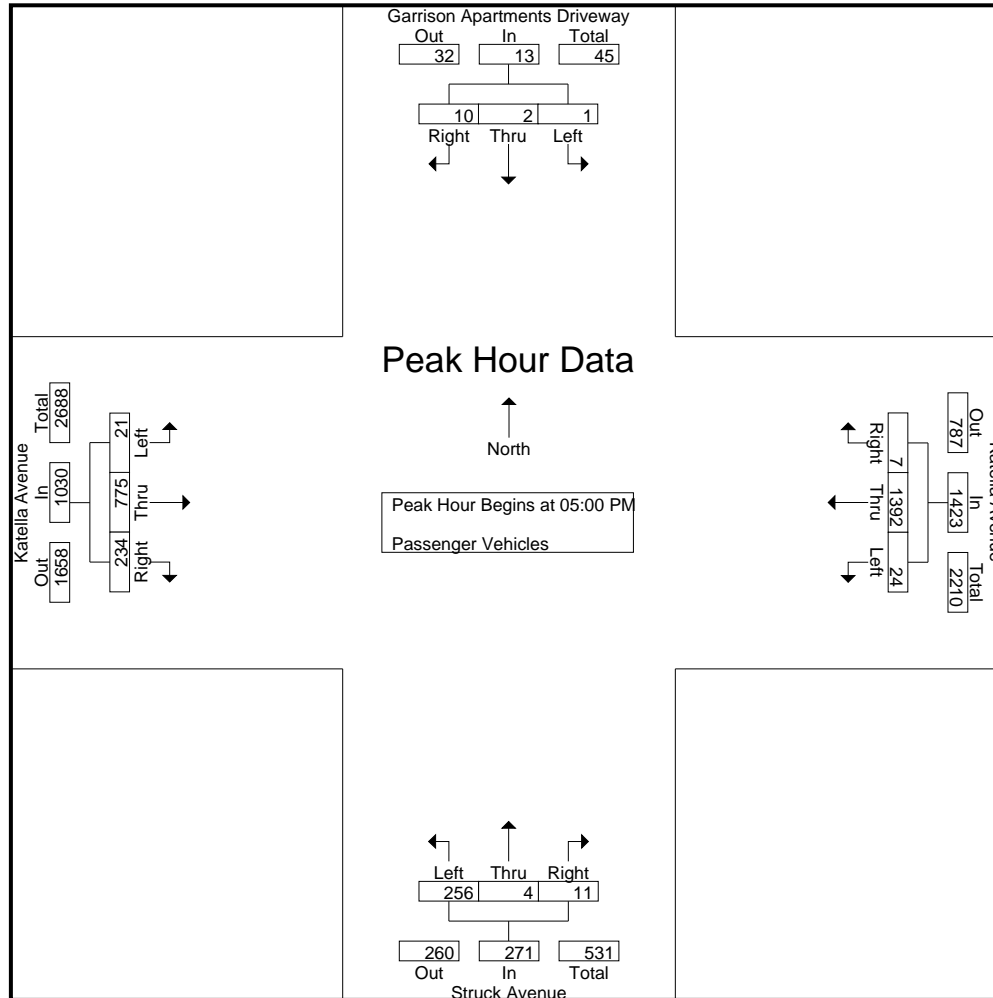
Groups Printed- Passenger Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	2	0	1	0	3	1	269	1	0	271	73	0	6	0	79	9	176	66	7	251	7	604	611
04:15 PM	1	0	1	0	2	4	245	1	0	250	84	0	3	0	87	3	161	66	6	230	6	569	575
04:30 PM	1	0	1	1	2	7	251	4	0	262	76	0	1	1	77	7	214	63	5	284	7	625	632
04:45 PM	0	0	0	0	0	6	304	2	0	312	61	0	1	0	62	5	207	51	5	263	5	637	642
Total	4	0	3	1	7	18	1069	8	0	1095	294	0	11	1	305	24	758	246	23	1028	25	2435	2460
05:00 PM	0	1	1	0	2	3	319	1	0	323	86	0	5	0	91	8	209	62	1	279	1	695	696
05:15 PM	0	0	4	0	4	7	392	0	0	399	63	0	1	1	64	4	196	61	4	261	5	728	733
05:30 PM	0	1	0	0	1	7	322	5	0	334	64	3	2	1	69	9	177	56	4	242	5	646	651
05:45 PM	1	0	5	3	6	7	359	1	0	367	43	1	3	0	47	0	193	55	16	248	19	668	687
Total	1	2	10	3	13	24	1392	7	0	1423	256	4	11	2	271	21	775	234	25	1030	30	2737	2767
Grand Total	5	2	13	4	20	42	2461	15	0	2518	550	4	22	3	576	45	1533	480	48	2058	55	5172	5227
Apprch %	25	10	65			1.7	97.7	0.6			95.5	0.7	3.8			2.2	74.5	23.3					
Total %	0.1	0	0.3		0.4	0.8	47.6	0.3		48.7	10.6	0.1	0.4		11.1	0.9	29.6	9.3		39.8	1.1	98.9	

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	1	1	2	3	319	1	323	86	0	5	91	8	209	62	279	695
05:15 PM	0	0	4	4	7	392	0	399	63	0	1	64	4	196	61	261	728
05:30 PM	0	1	0	1	7	322	5	334	64	3	2	69	9	177	56	242	646
05:45 PM	1	0	5	6	7	359	1	367	43	1	3	47	0	193	55	248	668
Total Volume	1	2	10	13	24	1392	7	1423	256	4	11	271	21	775	234	1030	2737
% App. Total	7.7	15.4	76.9		1.7	97.8	0.5		94.5	1.5	4.1		2	75.2	22.7		
PHF	.250	.500	.500	.542	.857	.888	.350	.892	.744	.333	.550	.745	.583	.927	.944	.923	.940

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	1	1	2	3	319	1	323	86	0	5	91	8	209	62	279	
+15 mins.	0	0	4	4	7	392	0	399	63	0	1	64	4	196	61	261	
+30 mins.	0	1	0	1	7	322	5	334	64	3	2	69	9	177	56	242	
+45 mins.	1	0	5	6	7	359	1	367	43	1	3	47	0	193	55	248	
Total Volume	1	2	10	13	24	1392	7	1423	256	4	11	271	21	775	234	1030	
% App. Total	7.7	15.4	76.9		1.7	97.8	0.5		94.5	1.5	4.1		2	75.2	22.7		
PHF	.250	.500	.500	.542	.857	.888	.350	.892	.744	.333	.550	.745	.583	.927	.944	.923	

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

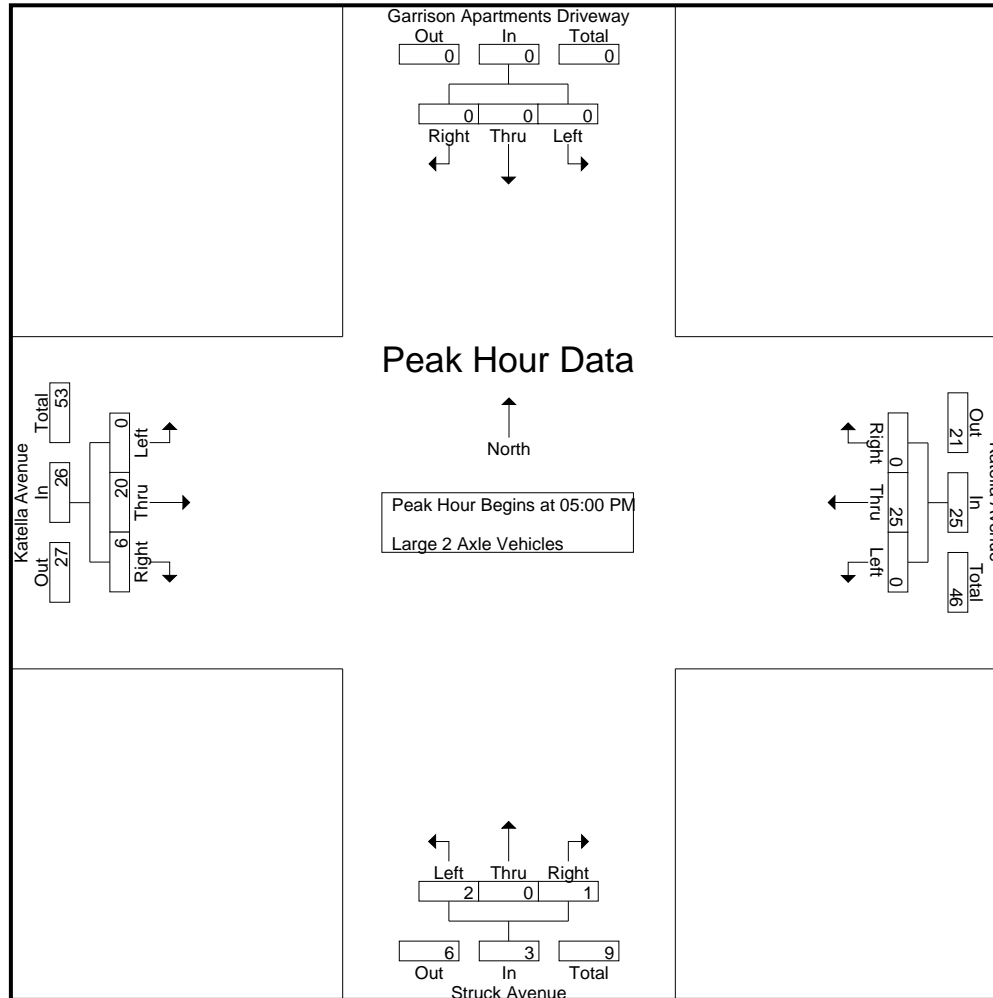
Groups Printed- Large 2 Axle Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	11	0	0	11	1	0	0	0	1	0	15	4	2	19	2	31	33
04:15 PM	0	0	0	0	0	0	7	0	0	7	1	0	0	0	1	0	6	3	1	9	1	17	18
04:30 PM	0	0	0	0	0	0	8	0	0	8	1	0	0	0	1	0	9	4	0	13	0	22	22
04:45 PM	0	0	0	0	0	0	8	0	0	8	1	0	0	0	1	0	5	3	0	8	0	17	17
Total	0	0	0	0	0	0	34	0	0	34	4	0	0	0	4	0	35	14	3	49	3	87	90
05:00 PM	0	0	0	0	0	0	3	0	0	3	2	0	0	0	2	0	7	2	0	9	0	14	14
05:15 PM	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	1	1	0	2	0	12	12
05:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	1	1	1	0	9	2	0	11	1	16	17
05:45 PM	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	3	1	0	4	0	12	12
Total	0	0	0	0	0	0	25	0	0	25	2	0	1	1	3	0	20	6	0	26	1	54	55
Grand Total	0	0	0	0	0	0	59	0	0	59	6	0	1	1	7	0	55	20	3	75	4	141	145
Apprch %	0	0	0			0	100	0			85.7	0	14.3			0	73.3	26.7					
Total %	0	0	0			0	41.8	0		41.8	4.3	0	0.7		5	0	39	14.2		53.2	2.8	97.2	

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	3	0	3	2	0	0	2	0	7	2	9	14
05:15 PM	0	0	0	0	0	10	0	10	0	0	0	0	0	1	1	2	12
05:30 PM	0	0	0	0	0	4	0	4	0	0	1	1	0	9	2	11	16
05:45 PM	0	0	0	0	0	8	0	8	0	0	0	0	0	3	1	4	12
Total Volume	0	0	0	0	0	25	0	25	2	0	1	3	0	20	6	26	54
% App. Total	0	0	0		0	100	0		66.7	0	33.3		0	76.9	23.1		
PHF	.000	.000	.000	.000	.000	.625	.000	.625	.250	.000	.250	.375	.000	.556	.750	.591	.844

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	0	0	0	0	3	0	3	2	0	0	2	0	7	2	9
+15 mins.	0	0	0	0	0	10	0	10	0	0	0	0	0	1	1	2
+30 mins.	0	0	0	0	0	4	0	4	0	0	1	1	0	9	2	11
+45 mins.	0	0	0	0	0	8	0	8	0	0	0	0	0	3	1	4
Total Volume	0	0	0	0	0	25	0	25	2	0	1	3	0	20	6	26
% App. Total	0	0	0	0	0	100	0	100	66.7	0	33.3	66.7	0	76.9	23.1	76.9
PHF	.000	.000	.000	.000	.000	.625	.000	.625	.250	.000	.250	.375	.000	.556	.750	.591

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

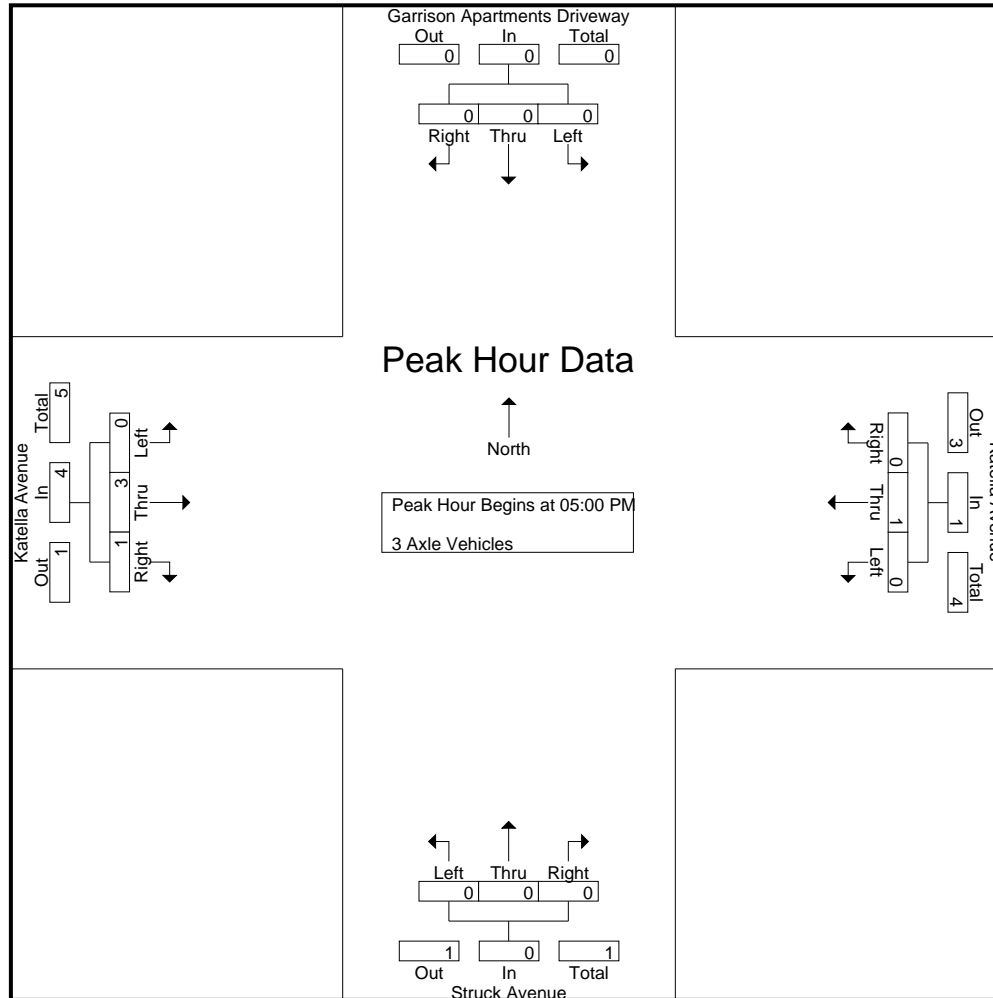
Groups Printed- 3 Axle Vehicles

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total			
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total						
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	1
04:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	2	0	2	2
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	1	0	3	0	4	4	0	4	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	2	2	0	2	2
05:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	2	0	2	2
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	1	0	4	0	5	5	0	5	5
Grand Total	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	5	2	0	7	0	9	9	0	9	9
Apprch %	0	0	0			0	100	0			0	0	0			0	71.4	28.6								
Total %	0	0	0			0	22.2	0		22.2	0	0	0			0	55.6	22.2		77.8	0	100		0	100	

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2
05:45 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	2
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	3	1	4	5
% App. Total	0	0	0		0	100	0		0	0	0		0	75	25		
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.750	.250	.500	.625

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
+45 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	3	1	0	4
% App. Total	0	0	0	0	0	100	0	0	0	0	0	0	0	75	25	0	0
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.750	.250	.000	.500

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

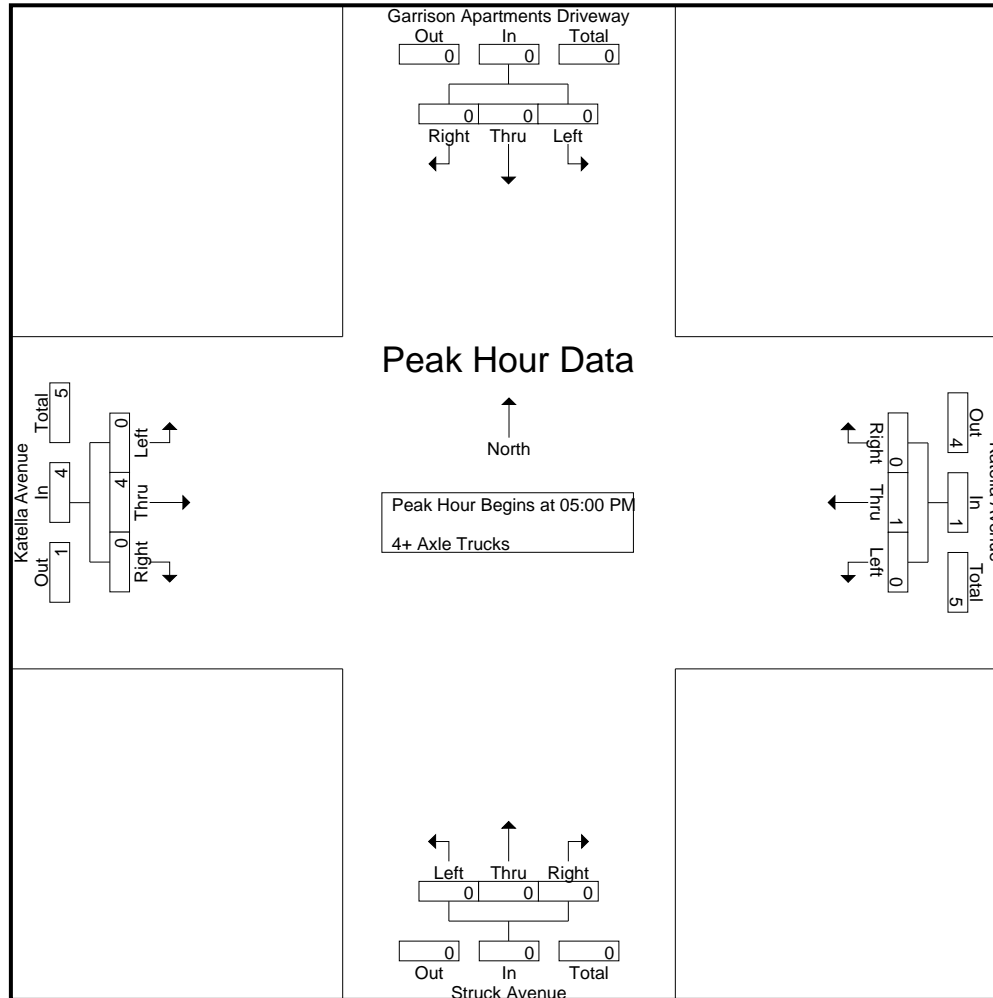
Groups Printed- 4+ Axle Trucks

Start Time	Garrison Apartments Driveway Southbound					Katella Avenue Westbound					Struck Avenue Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	2
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3	3
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2	2
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	0	7	7	7
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1
05:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	2	2	2
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	0	5	5	5
Grand Total	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	6	0	0	6	0	12	12	12
Apprch %	0	0	0			0	100	0			0	0	0			0	100	0			0			
Total %	0	0	0			0	50	0		50	0	0	0			0	50	0		50	0	100		

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
05:30 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	4	0	4	5
% App. Total	0	0	0		0	100	0		0	0	0		0	100	0		
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.500	.000	.500	.625

City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Struck Avenue
 E/W: Katella Avenue
 Weather: Clear

File Name : 03_ORN_Str_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Garrison Apartments Driveway Southbound				Katella Avenue Westbound				Struck Avenue Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
+30 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Total Volume	0	0	0	0	0	1	0	1	0	0	0	0	0	4	0	4
% App. Total	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	0
PHF	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000	.500	.000	.500

Location: Orange
 N/S: Struck Avenue
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg Garrison Apts DW Pedestrians	East Leg Katella Avenue Pedestrians	South Leg Struck Avenue Pedestrians	West Leg Katella Avenue Pedestrians	
7:00 AM	0	2	0	0	2
7:15 AM	3	1	0	0	4
7:30 AM	3	4	0	0	7
7:45 AM	2	1	0	0	3
8:00 AM	2	0	1	0	3
8:15 AM	1	0	0	0	1
8:30 AM	5	2	3	0	10
8:45 AM	3	0	0	0	3
TOTAL VOLUMES:	19	10	4	0	33

	North Leg Garrison Apts DW Pedestrians	East Leg Katella Avenue Pedestrians	South Leg Struck Avenue Pedestrians	West Leg Katella Avenue Pedestrians	
4:00 PM	1	4	3	0	8
4:15 PM	1	0	0	0	1
4:30 PM	2	1	0	0	3
4:45 PM	0	0	0	0	0
5:00 PM	1	1	2	0	4
5:15 PM	1	0	0	0	1
5:30 PM	2	1	1	0	4
5:45 PM	2	0	2	0	4
TOTAL VOLUMES:	10	7	8	0	25

Location: Orange
 N/S: Struck Avenue
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound Garrison Apts DW			Westbound Katella Avenue			Northbound Struck Avenue			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	3	0	1	0	0	0	0	0	4
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
7:45 AM	1	0	0	0	2	0	0	0	0	0	4	0	7
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	1	0	1	0	0	0	0	0	2
TOTAL VOLUMES:	1	0	0	0	7	0	3	0	0	0	5	0	16

	Southbound Garrison Apts DW			Westbound Katella Avenue			Northbound Struck Avenue			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
4:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
5:30 PM	0	0	0	1	0	0	2	0	0	0	2	0	5
5:45 PM	0	0	0	0	1	0	0	0	0	0	1	0	2
TOTAL VOLUMES:	0	0	0	1	3	0	2	0	0	0	4	0	10

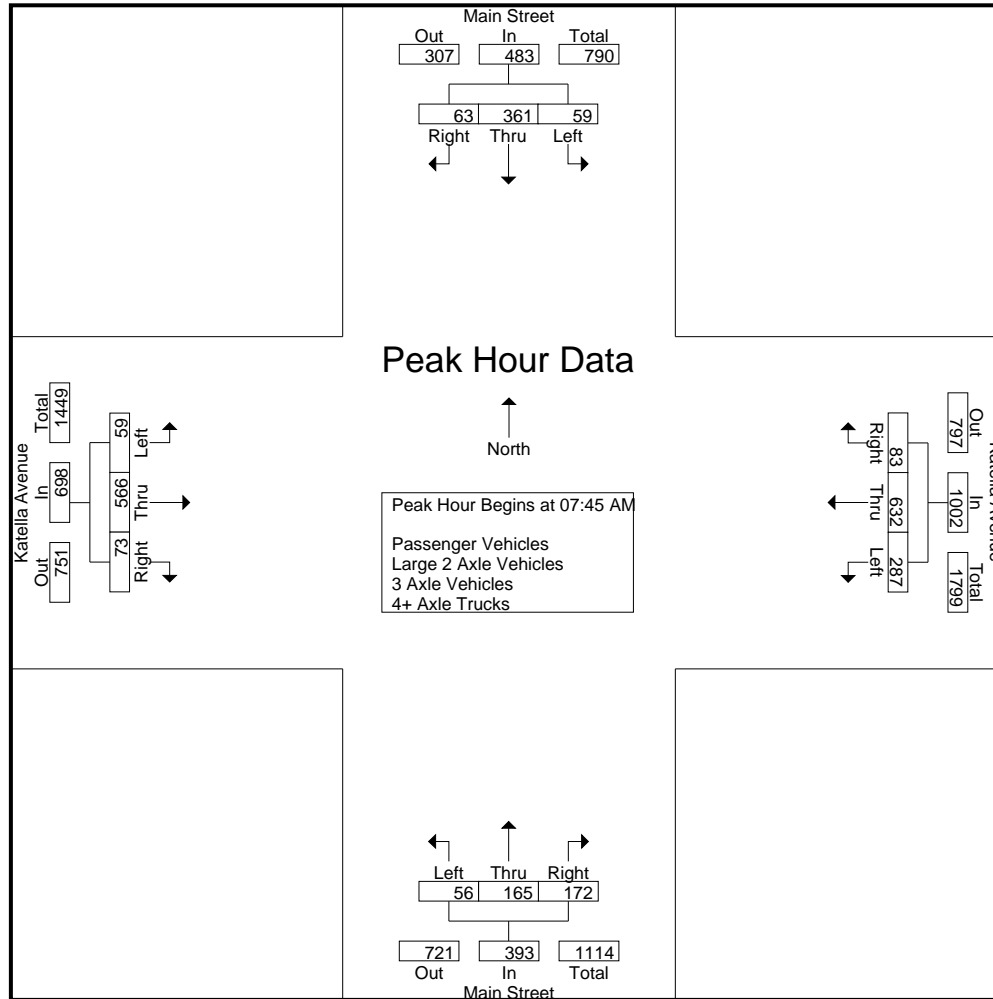
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

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

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	12	65	4	2	81	53	120	16	0	189	9	24	25	13	58	9	73	7	3	89	18	417	435
07:15 AM	13	70	5	3	88	57	118	14	0	189	9	37	37	26	83	12	105	7	1	124	30	484	514
07:30 AM	18	73	10	3	101	58	140	18	1	216	12	29	37	17	78	12	114	11	4	137	25	532	557
07:45 AM	13	108	20	12	141	73	163	22	2	258	10	49	46	31	105	14	149	16	4	179	49	683	732
Total	56	316	39	20	411	241	541	70	3	852	40	139	145	87	324	47	441	41	12	529	122	2116	2238
08:00 AM	14	96	12	7	122	68	160	17	2	245	20	38	38	19	96	12	148	20	10	180	38	643	681
08:15 AM	18	80	20	9	118	74	178	25	2	277	16	38	49	31	103	20	127	14	3	161	45	659	704
08:30 AM	14	77	11	11	102	72	131	19	2	222	10	40	39	27	89	13	142	23	2	178	42	591	633
08:45 AM	18	80	19	9	117	69	144	29	4	242	10	36	39	22	85	10	125	18	6	153	41	597	638
Total	64	333	62	36	459	283	613	90	10	986	56	152	165	99	373	55	542	75	21	672	166	2490	2656
Grand Total	120	649	101	56	870	524	1154	160	13	1838	96	291	310	186	697	102	983	116	33	1201	288	4606	4894
Apprch %	13.8	74.6	11.6			28.5	62.8	8.7			13.8	41.8	44.5			8.5	81.8	9.7					
Total %	2.6	14.1	2.2		18.9	11.4	25.1	3.5		39.9	2.1	6.3	6.7		15.1	2.2	21.3	2.5		26.1	5.9	94.1	
Passenger Vehicles	107	610	81		845	486	1071	150		1719	77	254	290		795	87	927	98		1139	0	0	4498
% Passenger Vehicles	89.2	94	80.2	83.9	91.3	92.7	92.8	93.8	92.3	92.9	80.2	87.3	93.5	93.5	90	85.3	94.3	84.5	81.8	92.3	0	0	91.9
Large 2 Axle Vehicles	10	29	11		57	33	68	7		109	15	36	17		79	5	48	17		76	0	0	321
% Large 2 Axle Vehicles	8.3	4.5	10.9	12.5	6.2	6.3	5.9	4.4	7.7	5.9	15.6	12.4	5.5	5.9	8.9	4.9	4.9	14.7	18.2	6.2	0	0	6.6
3 Axle Vehicles	0	5	1		7	1	5	1		7	0	1	2		3	1	2	0		3	0	0	20
% 3 Axle Vehicles	0	0.8	1	1.8	0.8	0.2	0.4	0.6	0	0.4	0	0.3	0.6	0	0.3	1	0.2	0	0	0.2	0	0	0.4
4+ Axle Trucks	3	5	8		17	4	10	2		16	4	0	1		6	9	6	1		16	0	0	55
% 4+ Axle Trucks	2.5	0.8	7.9	1.8	1.8	0.8	0.9	1.2	0	0.9	4.2	0	0.3	0.5	0.7	8.8	0.6	0.9	0	1.3	0	0	1.1

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	13	108	20	141	73	163	22	258	10	49	46	105	14	149	16	179	683
08:00 AM	14	96	12	122	68	160	17	245	20	38	38	96	12	148	20	180	643
08:15 AM	18	80	20	118	74	178	25	277	16	38	49	103	20	127	14	161	659
08:30 AM	14	77	11	102	72	131	19	222	10	40	39	89	13	142	23	178	591
Total Volume	59	361	63	483	287	632	83	1002	56	165	172	393	59	566	73	698	2576
% App. Total	12.2	74.7	13		28.6	63.1	8.3		14.2	42	43.8		8.5	81.1	10.5		
PHF	.819	.836	.788	.856	.970	.888	.830	.904	.700	.842	.878	.936	.738	.950	.793	.969	.943



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				07:45 AM				07:45 AM				
+0 mins.	13	108	20	141	73	163	22	258	10	49	46	105	14	149	16	179	
+15 mins.	14	96	12	122	68	160	17	245	20	38	38	96	12	148	20	180	
+30 mins.	18	80	20	118	74	178	25	277	16	38	49	103	20	127	14	161	
+45 mins.	14	77	11	102	72	131	19	222	10	40	39	89	13	142	23	178	
Total Volume	59	361	63	483	287	632	83	1002	56	165	172	393	59	566	73	698	
% App. Total	12.2	74.7	13		28.6	63.1	8.3		14.2	42	43.8		8.5	81.1	10.5		
PHF	.819	.836	.788	.856	.970	.888	.830	.904	.700	.842	.878	.936	.738	.950	.793	.969	

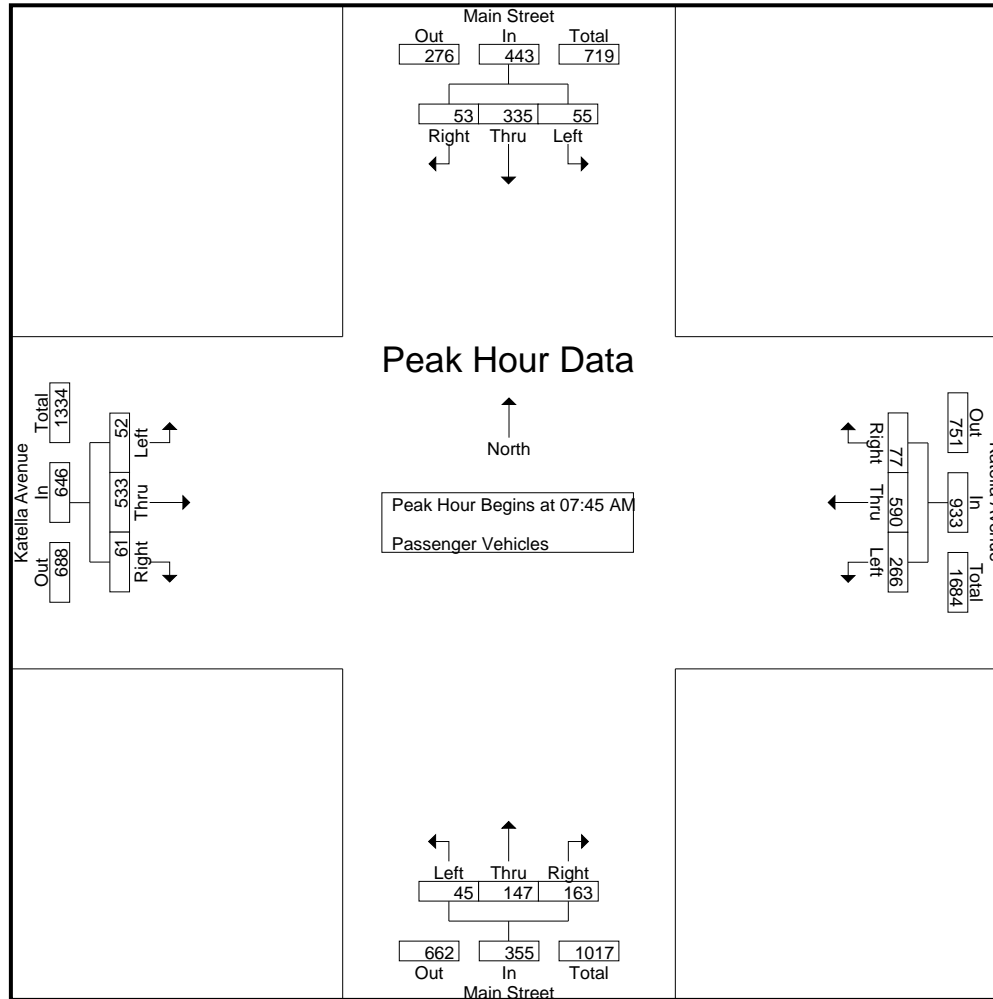
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

Groups Printed- Passenger Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	8	61	3	2	72	47	107	16	0	170	6	20	21	12	47	8	70	6	3	84	17	373	390
07:15 AM	12	67	5	3	84	53	105	12	0	170	8	27	34	24	69	12	99	6	1	117	28	440	468
07:30 AM	16	71	7	3	94	53	131	17	1	201	10	27	35	16	72	8	107	10	3	125	23	492	515
07:45 AM	13	100	18	11	131	68	152	21	2	241	8	43	45	30	96	14	137	10	2	161	45	629	674
Total	49	299	33	19	381	221	495	66	3	782	32	117	135	82	284	42	413	32	9	487	113	1934	2047
08:00 AM	12	90	9	5	111	63	150	17	2	230	16	35	34	16	85	9	139	17	9	165	32	591	623
08:15 AM	17	74	17	8	108	69	165	20	1	254	13	36	49	31	98	19	122	13	3	154	43	614	657
08:30 AM	13	71	9	9	93	66	123	19	2	208	8	33	35	23	76	10	135	21	1	166	35	543	578
08:45 AM	16	76	13	6	105	67	138	28	4	233	8	33	37	22	78	7	118	15	5	140	37	556	593
Total	58	311	48	28	417	265	576	84	9	925	45	137	155	92	337	45	514	66	18	625	147	2304	2451
Grand Total	107	610	81	47	798	486	1071	150	12	1707	77	254	290	174	621	87	927	98	27	1112	260	4238	4498
Apprch %	13.4	76.4	10.2			28.5	62.7	8.8			12.4	40.9	46.7			7.8	83.4	8.8					
Total %	2.5	14.4	1.9		18.8	11.5	25.3	3.5		40.3	1.8	6	6.8		14.7	2.1	21.9	2.3		26.2	5.8	94.2	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	13	100	18	131	68	152	21	241	8	43	45	96	14	137	10	161	629
08:00 AM	12	90	9	111	63	150	17	230	16	35	34	85	9	139	17	165	591
08:15 AM	17	74	17	108	69	165	20	254	13	36	49	98	19	122	13	154	614
08:30 AM	13	71	9	93	66	123	19	208	8	33	35	76	10	135	21	166	543
Total Volume	55	335	53	443	266	590	77	933	45	147	163	355	52	533	61	646	2377
% App. Total	12.4	75.6	12		28.5	63.2	8.3		12.7	41.4	45.9		8	82.5	9.4		
PHF	.809	.838	.736	.845	.964	.894	.917	.918	.703	.855	.832	.906	.684	.959	.726	.973	.945



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	13	100	18	131	68	152	21	241	8	43	45	96	14	137	10	161	
+15 mins.	12	90	9	111	63	150	17	230	16	35	34	85	9	139	17	165	
+30 mins.	17	74	17	108	69	165	20	254	13	36	49	98	19	122	13	154	
+45 mins.	13	71	9	93	66	123	19	208	8	33	35	76	10	135	21	166	
Total Volume	55	335	53	443	266	590	77	933	45	147	163	355	52	533	61	646	
% App. Total	12.4	75.6	12		28.5	63.2	8.3		12.7	41.4	45.9		8	82.5	9.4		
PHF	.809	.838	.736	.845	.964	.894	.917	.918	.703	.855	.832	.906	.684	.959	.726	.973	

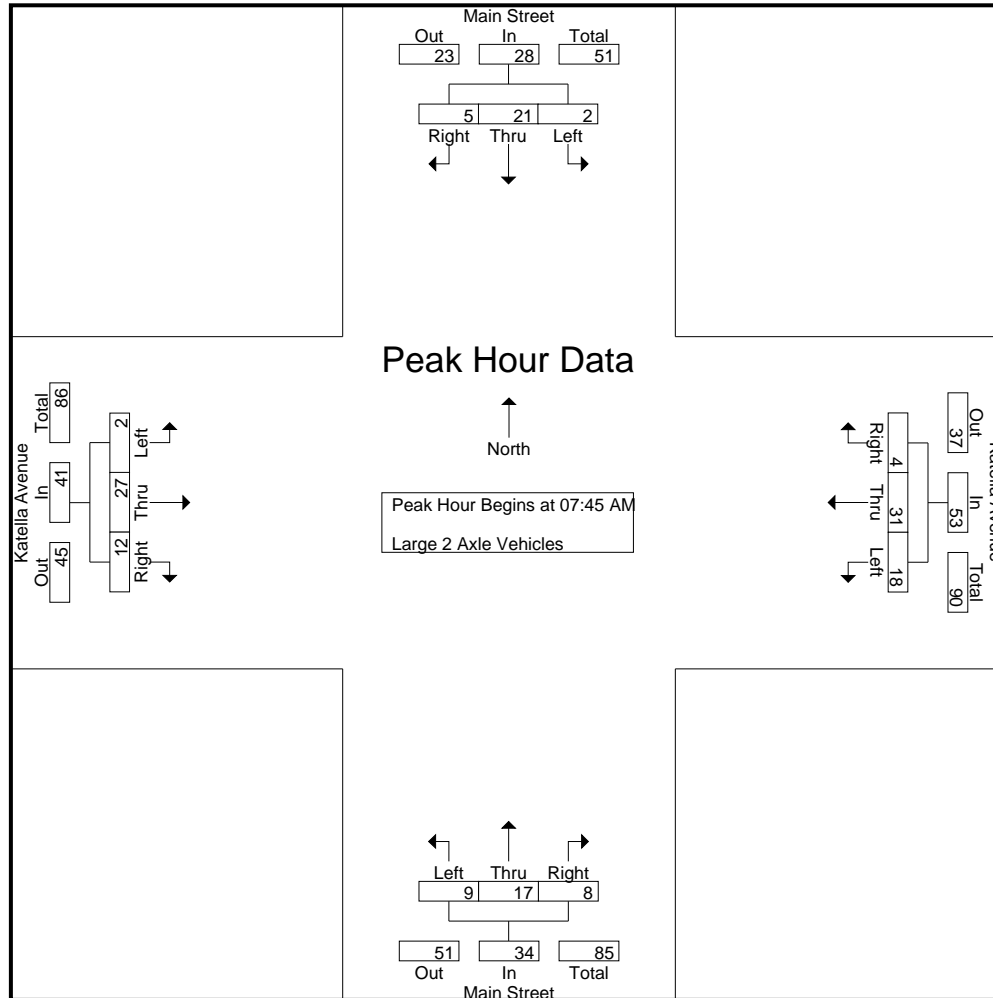
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

Groups Printed- Large 2 Axle Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	4	3	0	0	7	5	13	0	0	18	1	4	3	1	8	1	3	1	0	5	1	38	39
07:15 AM	1	1	0	0	2	4	13	1	0	18	1	10	3	2	14	0	6	1	0	7	2	41	43
07:30 AM	1	1	0	0	2	4	7	1	0	12	2	2	2	1	6	2	7	1	1	10	2	30	32
07:45 AM	0	7	2	1	9	5	7	1	0	13	2	6	1	1	9	0	11	6	2	17	4	48	52
Total	6	12	2	1	20	18	40	3	0	61	6	22	9	5	37	3	27	9	3	39	9	157	166
08:00 AM	0	5	1	1	6	4	8	0	0	12	4	3	4	3	11	1	9	3	1	13	5	42	47
08:15 AM	1	4	0	0	5	4	11	3	1	18	1	2	0	0	3	0	2	1	0	3	1	29	30
08:30 AM	1	5	2	2	8	5	5	0	0	10	2	6	3	3	11	1	5	2	1	8	6	37	43
08:45 AM	2	3	6	3	11	2	4	1	0	7	2	3	1	0	6	0	5	2	1	7	4	31	35
Total	4	17	9	6	30	15	28	4	1	47	9	14	8	6	31	2	21	8	3	31	16	139	155
Grand Total	10	29	11	7	50	33	68	7	1	108	15	36	17	11	68	5	48	17	6	70	25	296	321
Apprch %	20	58	22			30.6	63	6.5			22.1	52.9	25			7.1	68.6	24.3					
Total %	3.4	9.8	3.7		16.9	11.1	23	2.4		36.5	5.1	12.2	5.7		23	1.7	16.2	5.7		23.6	7.8	92.2	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:45 AM	0	7	2	9	5	7	1	13	2	6	1	9	0	11	6	17	48
08:00 AM	0	5	1	6	4	8	0	12	4	3	4	11	1	9	3	13	42
08:15 AM	1	4	0	5	4	11	3	18	1	2	0	3	0	2	1	3	29
08:30 AM	1	5	2	8	5	5	0	10	2	6	3	11	1	5	2	8	37
Total Volume	2	21	5	28	18	31	4	53	9	17	8	34	2	27	12	41	156
% App. Total	7.1	75	17.9		34	58.5	7.5		26.5	50	23.5		4.9	65.9	29.3		
PHF	.500	.750	.625	.778	.900	.705	.333	.736	.563	.708	.500	.773	.500	.614	.500	.603	.813



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	7	2	9	5	7	1	13	2	6	1	9	0	11	6	17	
+15 mins.	0	5	1	6	4	8	0	12	4	3	4	11	1	9	3	13	
+30 mins.	1	4	0	5	4	11	3	18	1	2	0	3	0	2	1	3	
+45 mins.	1	5	2	8	5	5	0	10	2	6	3	11	1	5	2	8	
Total Volume	2	21	5	28	18	31	4	53	9	17	8	34	2	27	12	41	
% App. Total	7.1	75	17.9		34	58.5	7.5		26.5	50	23.5		4.9	65.9	29.3		
PHF	.500	.750	.625	.778	.900	.705	.333	.736	.563	.708	.500	.773	.500	.614	.500	.603	

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

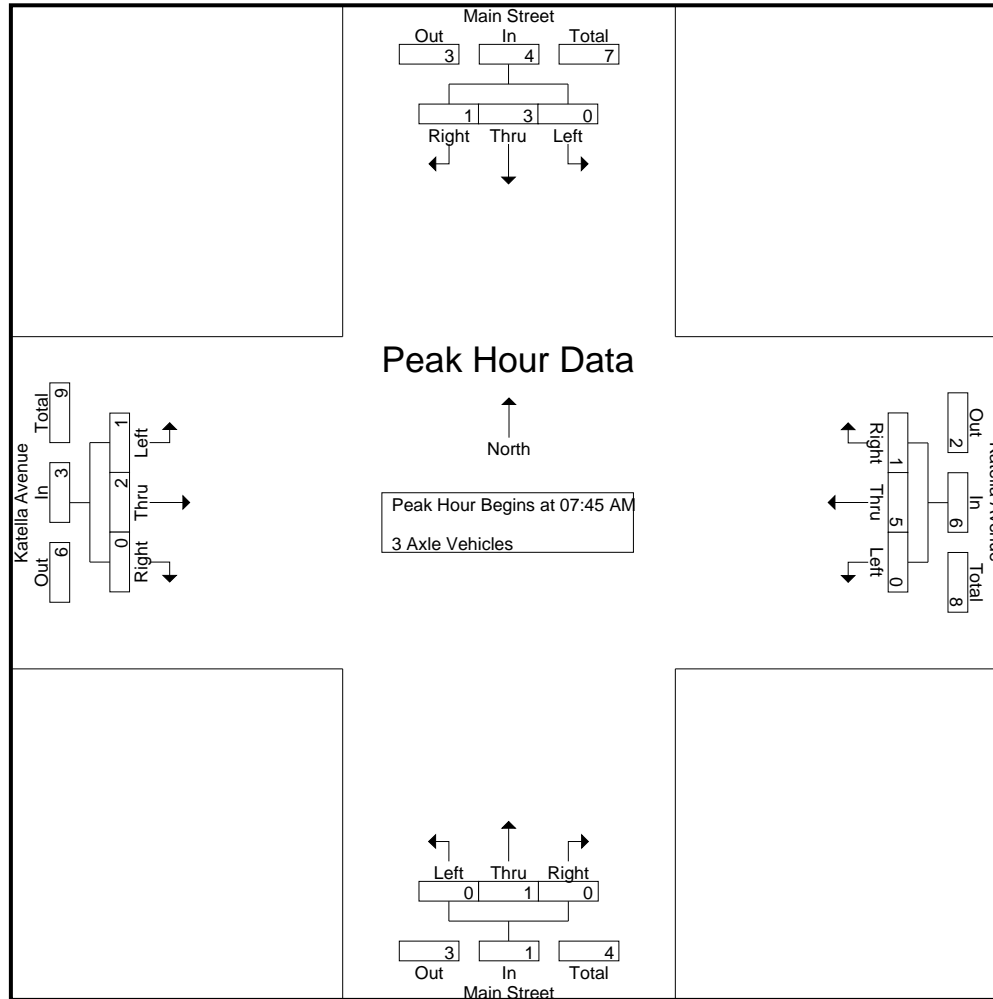
Groups Printed- 3 Axle Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:30 AM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:45 AM	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	3	0	0	3	1	2	0	0	3	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	7	7
08:00 AM	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
08:15 AM	0	0	1	1	1	0	0	1	0	1	0	0	0	0	0	1	1	0	0	2	1	1	0	0	2	1	4	5
08:30 AM	0	1	0	0	1	0	2	0	0	2	0	1	0	0	1	0	1	0	0	1	0	0	0	0	1	0	5	5
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	2	1	1	3	0	3	1	0	4	0	1	1	0	2	1	2	0	0	3	1	1	0	0	3	1	12	13
Grand Total	0	5	1	1	6	1	5	1	0	7	0	1	2	0	3	1	2	0	0	3	1	1	0	0	3	1	19	20
Apprch %	0	83.3	16.7			14.3	71.4	14.3			0	33.3	66.7			33.3	66.7	0			0	0	0			5	95	
Total %	0	26.3	5.3		31.6	5.3	26.3	5.3		36.8	0	5.3	10.5		15.8	5.3	10.5	0		15.8	0	0	0			5	95	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	1	0	2	0	2	0	0	0	0	0	0	0	0	3
08:00 AM	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	2
08:15 AM	0	0	1	1	0	0	1	1	0	0	0	0	1	1	0	2	4
08:30 AM	0	1	0	1	0	2	0	2	0	1	0	1	0	1	0	1	5
Total Volume	0	3	1	4	0	5	1	6	0	1	0	1	1	2	0	3	14
% App. Total	0	75	25		0	83.3	16.7		0	100	0		33.3	66.7	0		
PHF	.000	.750	.250	1.00	.000	.625	.250	.750	.000	.250	.000	.250	.250	.500	.000	.375	.700

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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				07:45 AM				
+0 mins.	0	1	0	1	0	2	0	2	0	0	0	0	0	0	0	0	0
+15 mins.	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	1	1	0	0	1	1	0	0	0	0	1	1	0	0	2
+45 mins.	0	1	0	1	0	2	0	2	0	1	0	1	0	1	0	0	1
Total Volume	0	3	1	4	0	5	1	6	0	1	0	1	1	2	0	0	3
% App. Total	0	75	25		0	83.3	16.7		0	100	0		33.3	66.7	0		
PHF	.000	.750	.250	1.000	.000	.625	.250	.750	.000	.250	.000	.250	.250	.500	.000		.375

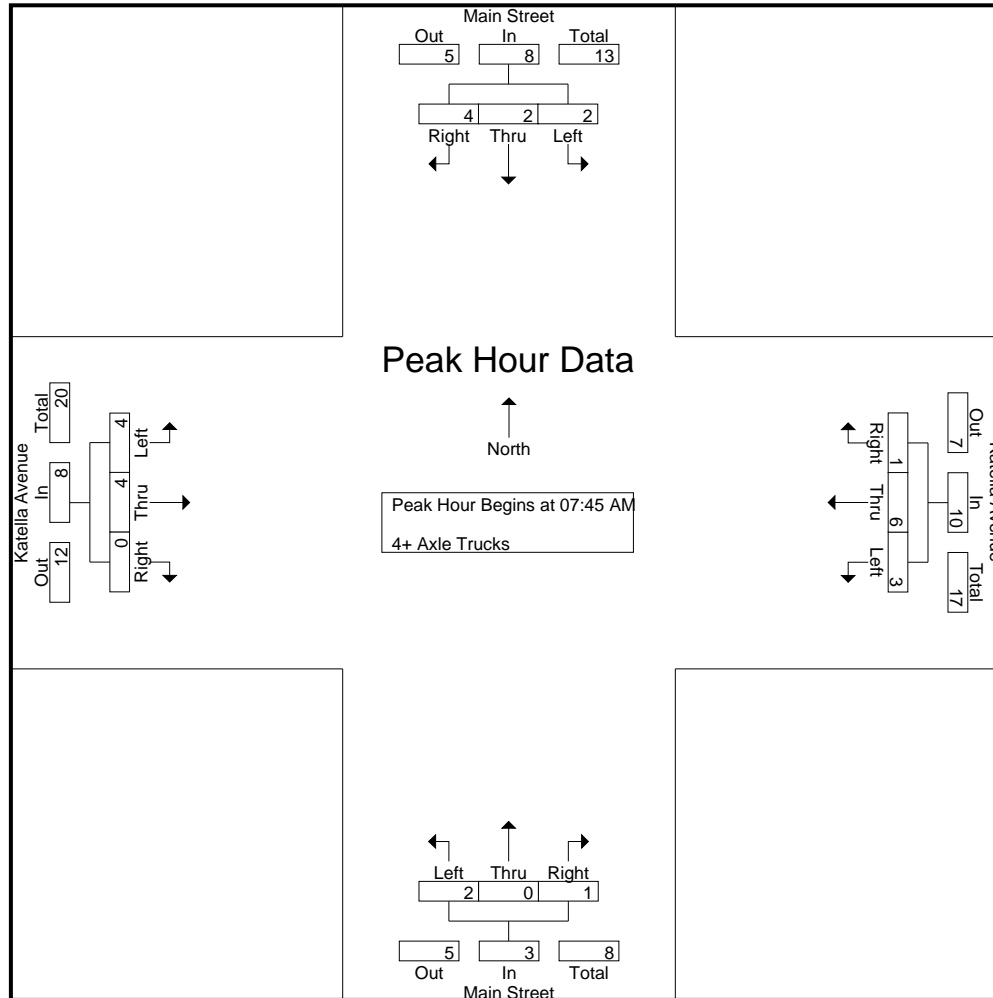
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

Groups Printed- 4+ Axle Trucks

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
07:00 AM	0	0	1	0	1	1	0	0	0	1	2	0	0	0	2	0	0	0	0	0	0	0	4	4
07:15 AM	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2	2
07:30 AM	1	1	3	0	5	0	2	0	0	2	0	0	0	0	0	2	0	0	0	2	0	9	9	9
07:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	3	3	3
Total	1	2	4	0	7	1	4	1	0	6	2	0	0	0	2	2	1	0	0	3	0	18	18	18
08:00 AM	2	0	2	1	4	1	1	0	0	2	0	0	0	0	0	2	0	0	0	2	1	8	9	9
08:15 AM	0	2	2	0	4	1	2	1	0	4	2	0	0	0	2	0	2	0	0	2	0	12	12	12
08:30 AM	0	0	0	0	0	1	1	0	0	2	0	0	1	1	1	2	1	0	0	3	1	6	7	7
08:45 AM	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	3	2	1	0	6	0	9	9	9
Total	2	3	4	1	9	3	6	1	0	10	2	0	1	1	3	7	5	1	0	13	2	35	37	37
Grand Total	3	5	8	1	16	4	10	2	0	16	4	0	1	1	5	9	6	1	0	16	2	53	55	55
Apprch %	18.8	31.2	50			25	62.5	12.5			80	0	20			56.2	37.5	6.2						
Total %	5.7	9.4	15.1		30.2	7.5	18.9	3.8		30.2	7.5	0	1.9		9.4	17	11.3	1.9		30.2	3.6	96.4		

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	2	0	2	0	0	0	0	0	1	0	1	3
08:00 AM	2	0	2	4	1	1	0	2	0	0	0	0	2	0	0	2	8
08:15 AM	0	2	2	4	1	2	1	4	2	0	0	2	0	2	0	2	12
08:30 AM	0	0	0	0	1	1	0	2	0	0	1	1	2	1	0	3	6
Total Volume	2	2	4	8	3	6	1	10	2	0	1	3	4	4	0	8	29
% App. Total	25	25	50		30	60	10		66.7	0	33.3		50	50	0		
PHF	.250	.250	.500	.500	.750	.750	.250	.625	.250	.000	.250	.375	.500	.500	.000	.667	.604



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	1	0	1	
+15 mins.	2	0	2	4	1	1	0	2	0	0	0	0	2	0	0	2	
+30 mins.	0	2	2	4	1	2	1	4	2	0	0	2	0	2	0	2	
+45 mins.	0	0	0	0	1	1	0	2	0	0	1	1	2	1	0	3	
Total Volume	2	2	4	8	3	6	1	10	2	0	1	3	4	4	0	8	
% App. Total	25	25	50		30	60	10		66.7	0	33.3		50	50	0		
PHF	.250	.250	.500	.500	.750	.750	.250	.625	.250	.000	.250	.375	.500	.500	.000	.667	

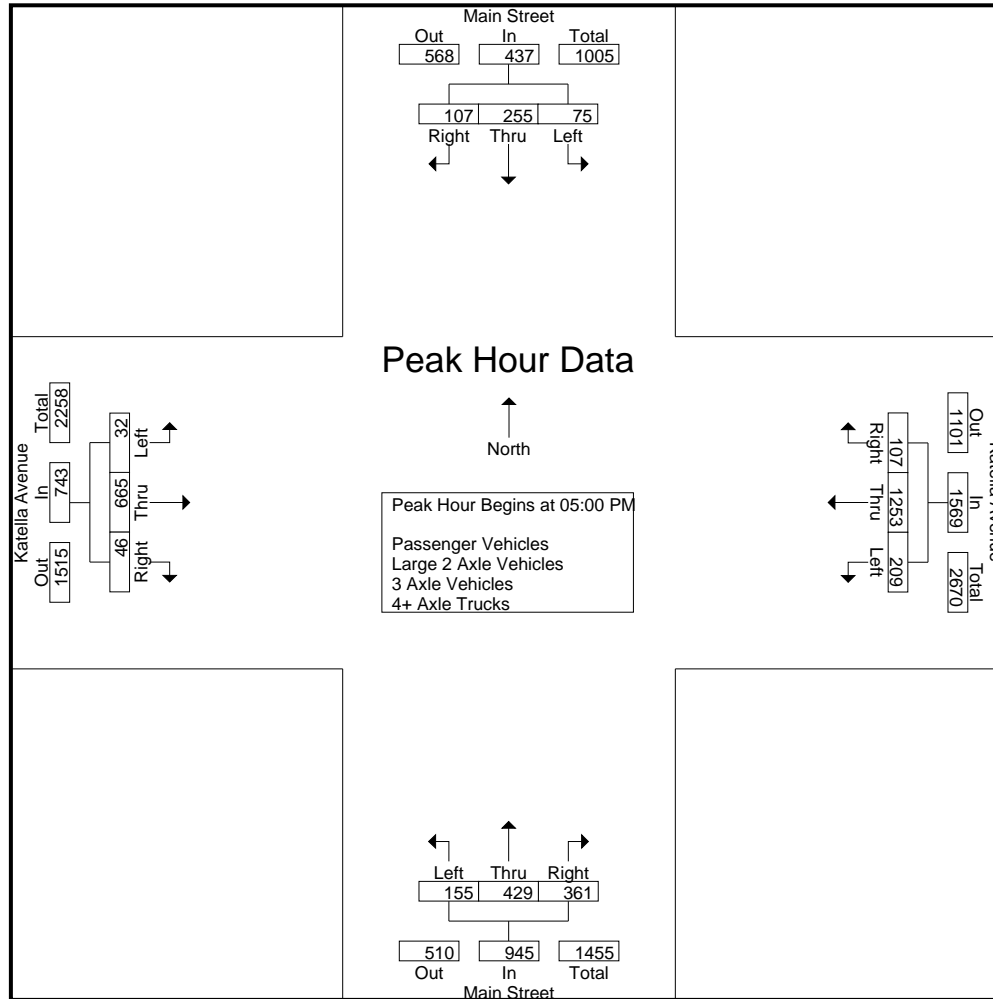
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

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

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	13	53	21	12	87	48	241	39	3	328	29	91	67	45	187	15	182	7	2	204	62	806	868
04:15 PM	21	69	27	19	117	51	209	15	1	275	23	62	78	34	163	11	136	12	4	159	58	714	772
04:30 PM	20	63	22	8	105	57	239	36	4	332	21	73	82	50	176	9	182	14	9	205	71	818	889
04:45 PM	20	44	19	5	83	57	259	33	0	349	40	77	58	31	175	14	155	11	3	180	39	787	826
Total	74	229	89	44	392	213	948	123	8	1284	113	303	285	160	701	49	655	44	18	748	230	3125	3355
05:00 PM	18	70	35	17	123	56	286	29	3	371	39	112	92	66	243	10	184	18	8	212	94	949	1043
05:15 PM	16	49	21	7	86	61	354	29	3	444	38	78	95	57	211	8	159	8	3	175	70	916	986
05:30 PM	21	76	24	6	121	37	300	29	3	366	41	142	90	45	273	9	168	4	0	181	54	941	995
05:45 PM	20	60	27	6	107	55	313	20	0	388	37	97	84	47	218	5	154	16	10	175	63	888	951
Total	75	255	107	36	437	209	1253	107	9	1569	155	429	361	215	945	32	665	46	21	743	281	3694	3975
Grand Total	149	484	196	80	829	422	2201	230	17	2853	268	732	646	375	1646	81	1320	90	39	1491	511	6819	7330
Apprch %	18	58.4	23.6			14.8	77.1	8.1			16.3	44.5	39.2			5.4	88.5	6					
Total %	2.2	7.1	2.9		12.2	6.2	32.3	3.4		41.8	3.9	10.7	9.5		24.1	1.2	19.4	1.3		21.9	7	93	
Passenger Vehicles	146	467	187		878	410	2156	223		2806	254	705	638		1967	73	1277	77		1459	0	0	7110
% Passenger Vehicles	98	96.5	95.4	97.5	96.6	97.2	98	97	100	97.8	94.8	96.3	98.8	98.7	97.3	90.1	96.7	85.6	82.1	95.4	0	0	97
Large 2 Axle Vehicles	3	12	6		22	9	40	3		52	13	19	8		45	6	35	12		60	0	0	179
% Large 2 Axle Vehicles	2	2.5	3.1	1.2	2.4	2.1	1.8	1.3	0	1.8	4.9	2.6	1.2	1.3	2.2	7.4	2.7	13.3	17.9	3.9	0	0	2.4
3 Axle Vehicles	0	2	1		3	1	1	0		2	1	4	0		5	0	3	1		4	0	0	14
% 3 Axle Vehicles	0	0.4	0.5	0	0.3	0.2	0	0	0	0.1	0.4	0.5	0	0	0.2	0	0.2	1.1	0	0.3	0	0	0.2
4+ Axle Trucks	0	3	2		6	2	4	4		10	0	4	0		4	2	5	0		7	0	0	27
% 4+ Axle Trucks	0	0.6	1	1.2	0.7	0.5	0.2	1.7	0	0.3	0	0.5	0	0	0.2	2.5	0.4	0	0	0.5	0	0	0.4

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	18	70	35	123	56	286	29	371	39	112	92	243	10	184	18	212	949
05:15 PM	16	49	21	86	61	354	29	444	38	78	95	211	8	159	8	175	916
05:30 PM	21	76	24	121	37	300	29	366	41	142	90	273	9	168	4	181	941
05:45 PM	20	60	27	107	55	313	20	388	37	97	84	218	5	154	16	175	888
Total Volume	75	255	107	437	209	1253	107	1569	155	429	361	945	32	665	46	743	3694
% App. Total	17.2	58.4	24.5		13.3	79.9	6.8		16.4	45.4	38.2		4.3	89.5	6.2		
PHF	.893	.839	.764	.888	.857	.885	.922	.883	.945	.755	.950	.865	.800	.904	.639	.876	.973



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				05:00 PM				05:00 PM				04:30 PM				
+0 mins.	18	70	35	123	56	286	29	371	39	112	92	243	9	182	14	205	
+15 mins.	16	49	21	86	61	354	29	444	38	78	95	211	14	155	11	180	
+30 mins.	21	76	24	121	37	300	29	366	41	142	90	273	10	184	18	212	
+45 mins.	20	60	27	107	55	313	20	388	37	97	84	218	8	159	8	175	
Total Volume	75	255	107	437	209	1253	107	1569	155	429	361	945	41	680	51	772	
% App. Total	17.2	58.4	24.5		13.3	79.9	6.8		16.4	45.4	38.2		5.3	88.1	6.6		
PHF	.893	.839	.764	.888	.857	.885	.922	.883	.945	.755	.950	.865	.732	.924	.708	.910	

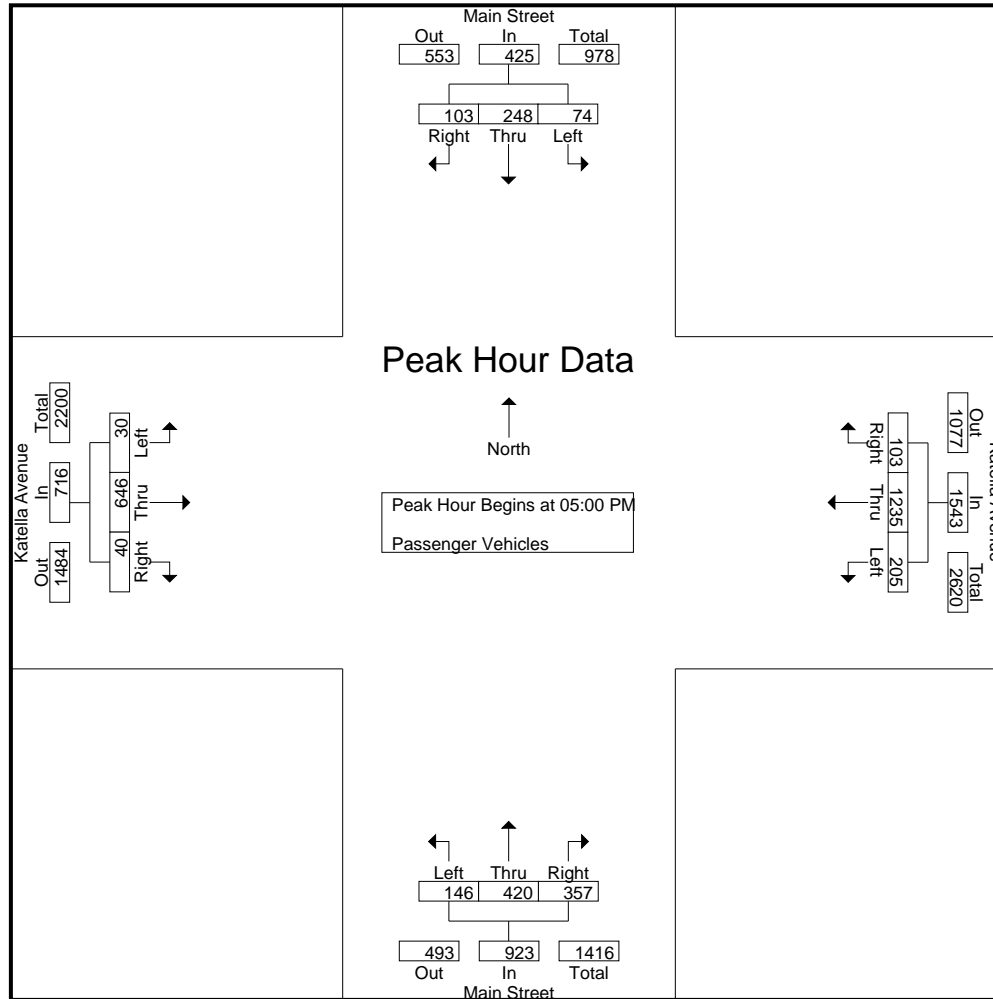
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
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Groups Printed- Passenger Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	13	53	21	12	87	47	229	38	3	314	28	85	66	44	179	11	172	6	2	189	61	769	830
04:15 PM	20	64	27	19	111	48	206	15	1	269	22	57	77	34	156	11	131	11	3	153	57	689	746
04:30 PM	19	60	21	8	100	55	231	35	4	321	19	71	82	50	172	7	176	10	5	193	67	786	853
04:45 PM	20	42	15	3	77	55	255	32	0	342	39	72	56	30	167	14	152	10	2	176	35	762	797
Total	72	219	84	42	375	205	921	120	8	1246	108	285	281	158	674	43	631	37	12	711	220	3006	3226
05:00 PM	18	67	34	17	119	55	285	27	3	367	36	110	91	65	237	8	180	17	7	205	92	928	1020
05:15 PM	16	49	21	7	86	59	347	29	3	435	36	77	94	56	207	8	157	6	3	171	69	899	968
05:30 PM	21	73	23	6	117	36	295	28	3	359	40	138	89	44	267	9	159	2	0	170	53	913	966
05:45 PM	19	59	25	6	103	55	308	19	0	382	34	95	83	47	212	5	150	15	10	170	63	867	930
Total	74	248	103	36	425	205	1235	103	9	1543	146	420	357	212	923	30	646	40	20	716	277	3607	3884
Grand Total	146	467	187	78	800	410	2156	223	17	2789	254	705	638	370	1597	73	1277	77	32	1427	497	6613	7110
Apprch %	18.2	58.4	23.4			14.7	77.3	8			15.9	44.1	39.9			5.1	89.5	5.4					
Total %	2.2	7.1	2.8		12.1	6.2	32.6	3.4		42.2	3.8	10.7	9.6		24.1	1.1	19.3	1.2		21.6	7	93	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	18	67	34	119	55	285	27	367	36	110	91	237	8	180	17	205	928
05:15 PM	16	49	21	86	59	347	29	435	36	77	94	207	8	157	6	171	899
05:30 PM	21	73	23	117	36	295	28	359	40	138	89	267	9	159	2	170	913
05:45 PM	19	59	25	103	55	308	19	382	34	95	83	212	5	150	15	170	867
Total Volume	74	248	103	425	205	1235	103	1543	146	420	357	923	30	646	40	716	3607
% App. Total	17.4	58.4	24.2		13.3	80	6.7		15.8	45.5	38.7		4.2	90.2	5.6		
PHF	.881	.849	.757	.893	.869	.890	.888	.887	.913	.761	.949	.864	.833	.897	.588	.873	.972



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	18	67	34	119	55	285	27	367	36	110	91	237	8	180	17	205	
+15 mins.	16	49	21	86	59	347	29	435	36	77	94	207	8	157	6	171	
+30 mins.	21	73	23	117	36	295	28	359	40	138	89	267	9	159	2	170	
+45 mins.	19	59	25	103	55	308	19	382	34	95	83	212	5	150	15	170	
Total Volume	74	248	103	425	205	1235	103	1543	146	420	357	923	30	646	40	716	
% App. Total	17.4	58.4	24.2		13.3	80	6.7		15.8	45.5	38.7		4.2	90.2	5.6		
PHF	.881	.849	.757	.893	.869	.890	.888	.887	.913	.761	.949	.864	.833	.897	.588	.873	

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

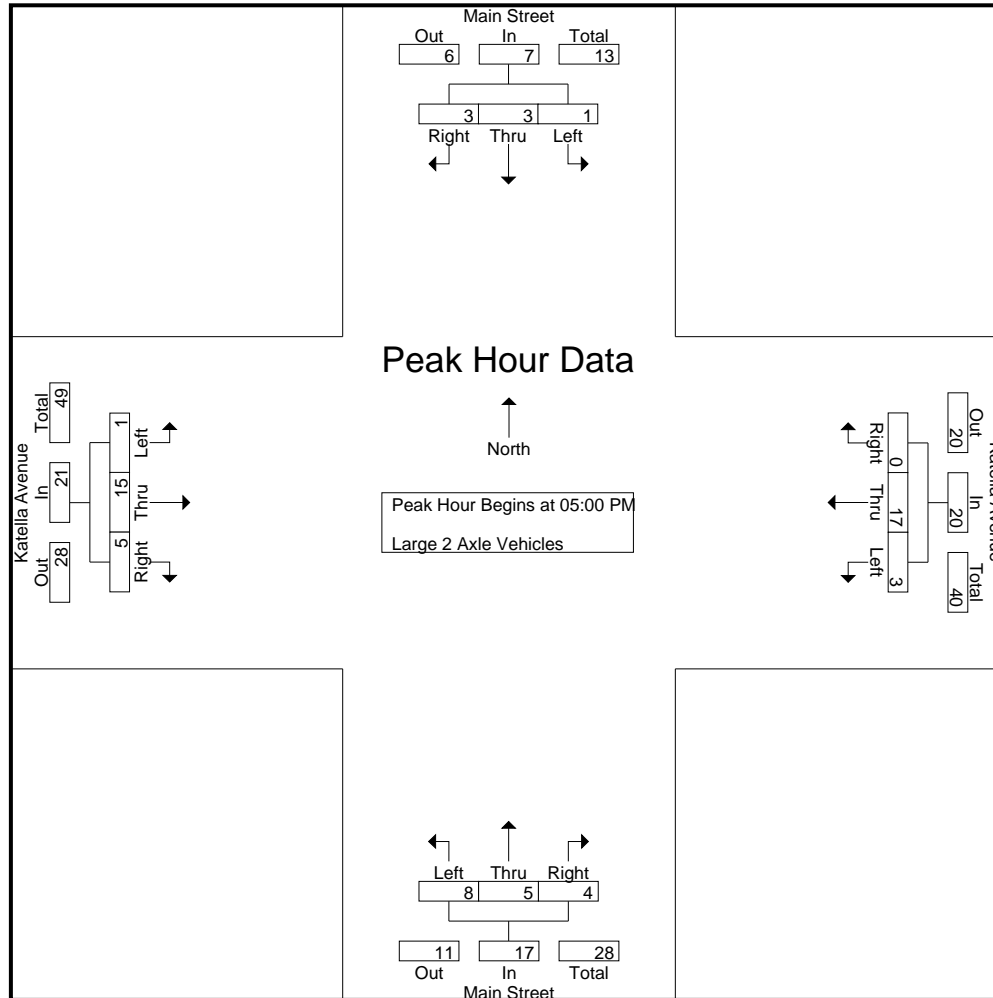
Groups Printed- Large 2 Axle Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	1	11	1	0	13	1	5	1	1	7	3	9	1	0	13	1	33	34
04:15 PM	1	5	0	0	6	2	3	0	0	5	1	5	1	0	7	0	4	1	1	5	1	23	24
04:30 PM	1	3	1	0	5	1	6	1	0	8	2	2	0	0	4	2	4	4	4	10	4	27	31
04:45 PM	0	1	2	1	3	2	3	1	0	6	1	2	2	1	5	0	3	1	1	4	3	18	21
Total	2	9	3	1	14	6	23	3	0	32	5	14	4	2	23	5	20	7	6	32	9	101	110
05:00 PM	0	1	1	0	2	1	1	0	0	2	3	2	1	1	6	1	4	1	1	6	2	16	18
05:15 PM	0	0	0	0	0	1	7	0	0	8	2	0	1	1	3	0	0	2	0	2	1	13	14
05:30 PM	0	2	1	0	3	1	4	0	0	5	1	2	1	1	4	0	9	1	0	10	1	22	23
05:45 PM	1	0	1	0	2	0	5	0	0	5	2	1	1	0	4	0	2	1	0	3	0	14	14
Total	1	3	3	0	7	3	17	0	0	20	8	5	4	3	17	1	15	5	1	21	4	65	69
Grand Total	3	12	6	1	21	9	40	3	0	52	13	19	8	5	40	6	35	12	7	53	13	166	179
Apprch %	14.3	57.1	28.6			17.3	76.9	5.8			32.5	47.5	20			11.3	66	22.6					
Total %	1.8	7.2	3.6		12.7	5.4	24.1	1.8		31.3	7.8	11.4	4.8		24.1	3.6	21.1	7.2		31.9	7.3	92.7	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	1	1	2	1	1	0	2	3	2	1	6	1	4	1	6	16
05:15 PM	0	0	0	0	1	7	0	8	2	0	1	3	0	0	2	2	13
05:30 PM	0	2	1	3	1	4	0	5	1	2	1	4	0	9	1	10	22
05:45 PM	1	0	1	2	0	5	0	5	2	1	1	4	0	2	1	3	14
Total Volume	1	3	3	7	3	17	0	20	8	5	4	17	1	15	5	21	65
% App. Total	14.3	42.9	42.9		15	85	0		47.1	29.4	23.5		4.8	71.4	23.8		
PHF	.250	.375	.750	.583	.750	.607	.000	.625	.667	.625	1.00	.708	.250	.417	.625	.525	.739

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	1	1	2	1	1	0	2	3	2	1	6	1	4	1	6	
+15 mins.	0	0	0	0	1	7	0	8	2	0	1	3	0	0	2	2	
+30 mins.	0	2	1	3	1	4	0	5	1	2	1	4	0	9	1	10	
+45 mins.	1	0	1	2	0	5	0	5	2	1	1	4	0	2	1	3	
Total Volume	1	3	3	7	3	17	0	20	8	5	4	17	1	15	5	21	
% App. Total	14.3	42.9	42.9		15	85	0		47.1	29.4	23.5		4.8	71.4	23.8		
PHF	.250	.375	.750	.583	.750	.607	.000	.625	.667	.625	1.000	.708	.250	.417	.625	.525	

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

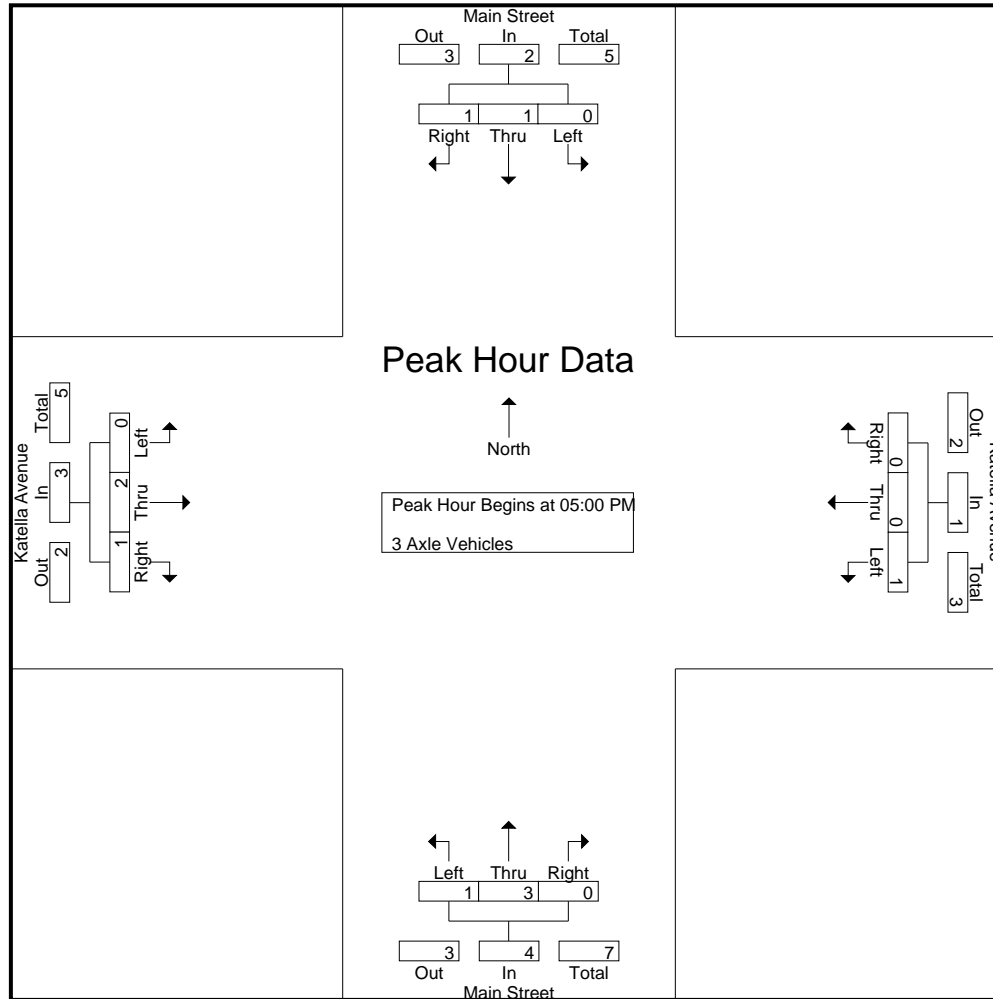
Groups Printed- 3 Axle Vehicles

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	1
04:45 PM	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	0	4	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	2	2
05:30 PM	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	1	0	1	0	4	4
05:45 PM	0	0	1	0	1	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	0	1	0	0	1	0	4	4
Total	0	1	1	0	2	1	0	0	0	1	1	3	0	0	4	0	2	1	0	3	0	0	1	0	3	0	10	10
Grand Total	0	2	1	0	3	1	1	0	0	2	1	4	0	0	5	0	3	1	0	4	0	0	1	0	4	0	14	14
Apprch %	0	66.7	33.3			50	50	0			20	80	0			0	75	25										
Total %	0	14.3	7.1		21.4	7.1	7.1	0		14.3	7.1	28.6	0		35.7	0	21.4	7.1		28.6	0	0	100					

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	2
05:30 PM	0	1	0	1	0	0	0	0	0	2	0	2	0	0	1	1	4
05:45 PM	0	0	1	1	0	0	0	0	1	1	0	2	0	1	0	1	4
Total Volume	0	1	1	2	1	0	0	1	1	3	0	4	0	2	1	3	10
% App. Total	0	50	50		100	0	0		25	75	0		0	66.7	33.3		
PHF	.000	.250	.250	.500	.250	.000	.000	.250	.250	.375	.000	.500	.000	.500	.250	.750	.625

City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	
+30 mins.	0	1	0	1	0	0	0	0	0	2	0	2	0	0	1	1	
+45 mins.	0	0	1	1	0	0	0	0	1	1	0	2	0	1	0	1	
Total Volume	0	1	1	2	1	0	0	1	1	3	0	4	0	2	1	3	
% App. Total	0	50	50		100	0	0		25	75	0		0	66.7	33.3		
PHF	.000	.250	.250	.500	.250	.000	.000	.250	.250	.375	.000	.500	.000	.500	.250	.750	

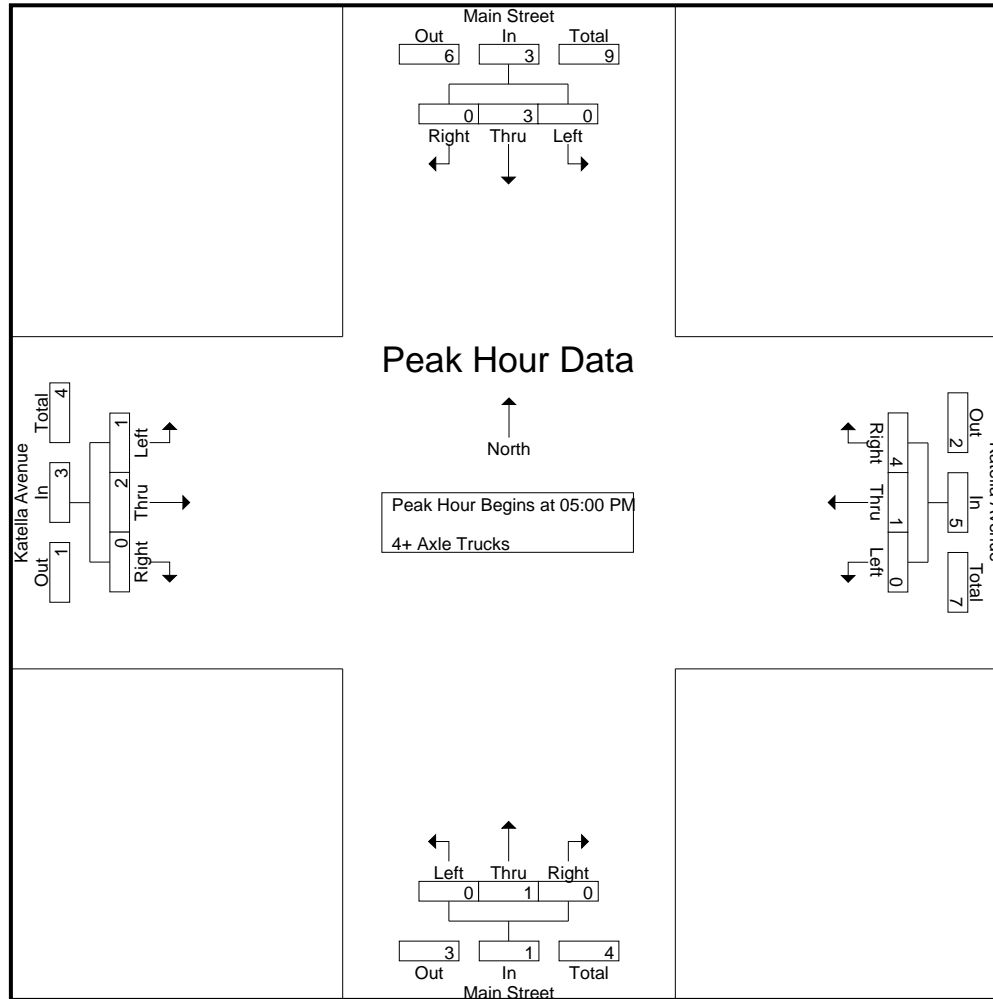
City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

Groups Printed- 4+ Axle Trucks

Start Time	Main Street Southbound					Katella Avenue Westbound					Main Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	1	1	0	0	2	0	4	4
04:15 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	2	2
04:30 PM	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	1	0	0	1	0	4	4
04:45 PM	0	0	2	1	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	1	4	5
Total	0	0	2	1	2	2	3	0	0	5	0	3	0	0	3	1	3	0	0	4	1	14	15
05:00 PM	0	2	0	0	2	0	0	2	0	2	0	0	0	0	0	1	0	0	0	1	0	5	5
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	2	2
05:30 PM	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
05:45 PM	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	3	3
Total	0	3	0	0	3	0	1	4	0	5	0	1	0	0	1	1	2	0	0	3	0	12	12
Grand Total	0	3	2	1	5	2	4	4	0	10	0	4	0	0	4	2	5	0	0	7	1	26	27
Apprch %	0	60	40			20	40	40			0	100	0			28.6	71.4	0					
Total %	0	11.5	7.7		19.2	7.7	15.4	15.4		38.5	0	15.4	0		15.4	7.7	19.2	0		26.9	3.7	96.3	

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	2	0	2	0	0	2	2	0	0	0	0	1	0	0	1	5
05:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	2
05:30 PM	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	2
05:45 PM	0	1	0	1	0	0	1	1	0	0	0	0	0	1	0	1	3
Total Volume	0	3	0	3	0	1	4	5	0	1	0	1	1	2	0	3	12
% App. Total	0	100	0		0	20	80		0	100	0		33.3	66.7	0		
PHF	.000	.375	.000	.375	.000	.250	.500	.625	.000	.250	.000	.250	.250	.500	.000	.750	.600



City of Orange
 N/S: Main Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 04_ORN_Main_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Katella Avenue Westbound				Main Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	2	0	2	0	0	2	2	0	0	0	0	1	0	0	1
+15 mins.	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1
+30 mins.	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0
+45 mins.	0	1	0	1	0	0	1	1	0	0	0	0	0	1	0	1
Total Volume	0	3	0	3	0	1	4	5	0	1	0	1	1	2	0	3
% App. Total	0	100	0		0	20	80		0	100	0		33.3	66.7	0	
PHF	.000	.375	.000	.375	.000	.250	.500	.625	.000	.250	.000	.250	.250	.500	.000	.750

Location: Orange
 N/S: Main Street
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg Main Street	East Leg Katella Avenue	South Leg Main Street	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	2	0	0	0	2
7:15 AM	4	1	0	2	7
7:30 AM	4	3	2	8	17
7:45 AM	4	1	4	9	18
8:00 AM	1	2	4	3	10
8:15 AM	1	0	3	0	4
8:30 AM	6	1	0	3	10
8:45 AM	1	1	7	18	27
TOTAL VOLUMES:	23	9	20	43	95

	North Leg Main Street	East Leg Katella Avenue	South Leg Main Street	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	0	0	2	5	7
4:15 PM	3	2	2	0	7
4:30 PM	2	1	1	2	6
4:45 PM	6	0	0	7	13
5:00 PM	0	1	1	2	4
5:15 PM	2	0	1	3	6
5:30 PM	3	1	1	4	9
5:45 PM	1	0	1	4	6
TOTAL VOLUMES:	17	5	9	27	58

Location: Orange
 N/S: Main Street
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound Main Street			Westbound Katella Avenue			Northbound Main Street			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	1	0	0	3	0	2	0	0	0	0	0	6
7:15 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	1	0	0	0	0	0	0	0	0	1	0	2
8:00 AM	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	1	0	0	0	0	0	1	0	2
TOTAL VOLUMES:	0	3	0	0	5	0	2	1	0	0	2	0	13

	Southbound Main Street			Westbound Katella Avenue			Northbound Main Street			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
4:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	2
4:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
5:00 PM	0	0	0	0	0	0	0	1	0	0	0	0	1
5:15 PM	0	1	0	0	1	0	0	0	0	1	0	0	3
5:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL VOLUMES:	0	3	0	1	2	0	0	1	0	1	3	0	11

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

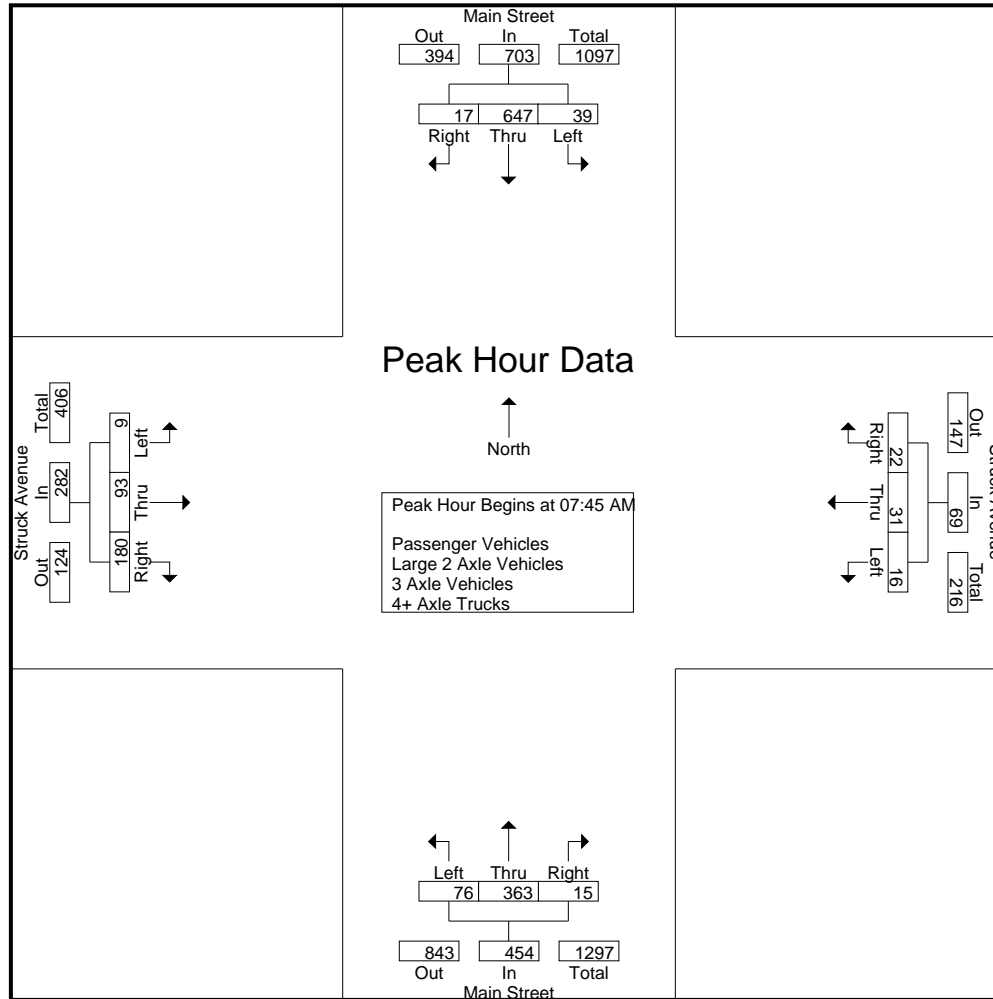
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	10	105	0	0	115	6	2	3	3	11	20	55	3	0	78	1	11	28	18	40	21	244	265
07:15 AM	6	112	1	0	119	1	4	0	0	5	21	65	2	0	88	2	13	47	38	62	38	274	312
07:30 AM	7	137	4	1	148	1	4	5	2	10	14	77	3	0	94	5	21	34	25	60	28	312	340
07:45 AM	10	173	5	1	188	5	8	7	3	20	18	88	4	0	110	1	21	50	35	72	39	390	429
Total	33	527	10	2	570	13	18	15	8	46	73	285	12	0	370	9	66	159	116	234	126	1220	1346
08:00 AM	14	167	1	0	182	7	3	5	4	15	22	85	5	0	112	1	19	51	31	71	35	380	415
08:15 AM	7	160	3	0	170	2	12	5	4	19	31	91	4	0	126	4	27	43	24	74	28	389	417
08:30 AM	8	147	8	1	163	2	8	5	2	15	5	99	2	0	106	3	26	36	23	65	26	349	375
08:45 AM	4	135	3	1	142	5	11	3	1	19	25	74	10	1	109	4	29	53	25	86	28	356	384
Total	33	609	15	2	657	16	34	18	11	68	83	349	21	1	453	12	101	183	103	296	117	1474	1591
Grand Total	66	1136	25	4	1227	29	52	33	19	114	156	634	33	1	823	21	167	342	219	530	243	2694	2937
Apprch %	5.4	92.6	2			25.4	45.6	28.9			19	77	4			4	31.5	64.5					
Total %	2.4	42.2	0.9		45.5	1.1	1.9	1.2		4.2	5.8	23.5	1.2		30.5	0.8	6.2	12.7		19.7	8.3	91.7	
Passenger Vehicles	62	1057	23		1146	25	46	31		121	147	584	29		761	18	159	329		718	0	0	2746
% Passenger Vehicles	93.9	93	92	100	93.1	86.2	88.5	93.9	100	91	94.2	92.1	87.9	100	92.4	85.7	95.2	96.2	96.8	95.9	0	0	93.5
Large 2 Axle Vehicles	3	62	2		67	3	6	1		10	8	41	4		53	1	7	13		28	0	0	158
% Large 2 Axle Vehicles	4.5	5.5	8	0	5.4	10.3	11.5	3	0	7.5	5.1	6.5	12.1	0	6.4	4.8	4.2	3.8	3.2	3.7	0	0	5.4
3 Axle Vehicles	1	5	0		6	1	0	0		1	1	2	0		3	1	1	0		2	0	0	12
% 3 Axle Vehicles	1.5	0.4	0	0	0.5	3.4	0	0	0	0.8	0.6	0.3	0	0	0.4	4.8	0.6	0	0	0.3	0	0	0.4
4+ Axle Trucks	0	12	0		12	0	0	1		1	0	7	0		7	1	0	0		1	0	0	21
% 4+ Axle Trucks	0	1.1	0	0	1	0	0	3	0	0.8	0	1.1	0	0	0.8	4.8	0	0	0	0.1	0	0	0.7

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	10	173	5	188	5	8	7	20	18	88	4	110	1	21	50	72	390
08:00 AM	14	167	1	182	7	3	5	15	22	85	5	112	1	19	51	71	380
08:15 AM	7	160	3	170	2	12	5	19	31	91	4	126	4	27	43	74	389
08:30 AM	8	147	8	163	2	8	5	15	5	99	2	106	3	26	36	65	349
Total Volume	39	647	17	703	16	31	22	69	76	363	15	454	9	93	180	282	1508
% App. Total	5.5	92	2.4		23.2	44.9	31.9		16.7	80	3.3		3.2	33	63.8		
PHF	.696	.935	.531	.935	.571	.646	.786	.863	.613	.917	.750	.901	.563	.861	.882	.953	.967

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

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City of Orange
 N/S: Main Street
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 Weather: Clear

File Name : 05_ORN_Main_Str AM
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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				07:45 AM				08:00 AM				
+0 mins.	10	173	5	188	5	8	7	20	18	88	4	110	1	19	51	71	
+15 mins.	14	167	1	182	7	3	5	15	22	85	5	112	4	27	43	74	
+30 mins.	7	160	3	170	2	12	5	19	31	91	4	126	3	26	36	65	
+45 mins.	8	147	8	163	2	8	5	15	5	99	2	106	4	29	53	86	
Total Volume	39	647	17	703	16	31	22	69	76	363	15	454	12	101	183	296	
% App. Total	5.5	92	2.4		23.2	44.9	31.9		16.7	80	3.3		4.1	34.1	61.8		
PHF	.696	.935	.531	.935	.571	.646	.786	.863	.613	.917	.750	.901	.750	.871	.863	.860	

City of Orange
 N/S: Main Street
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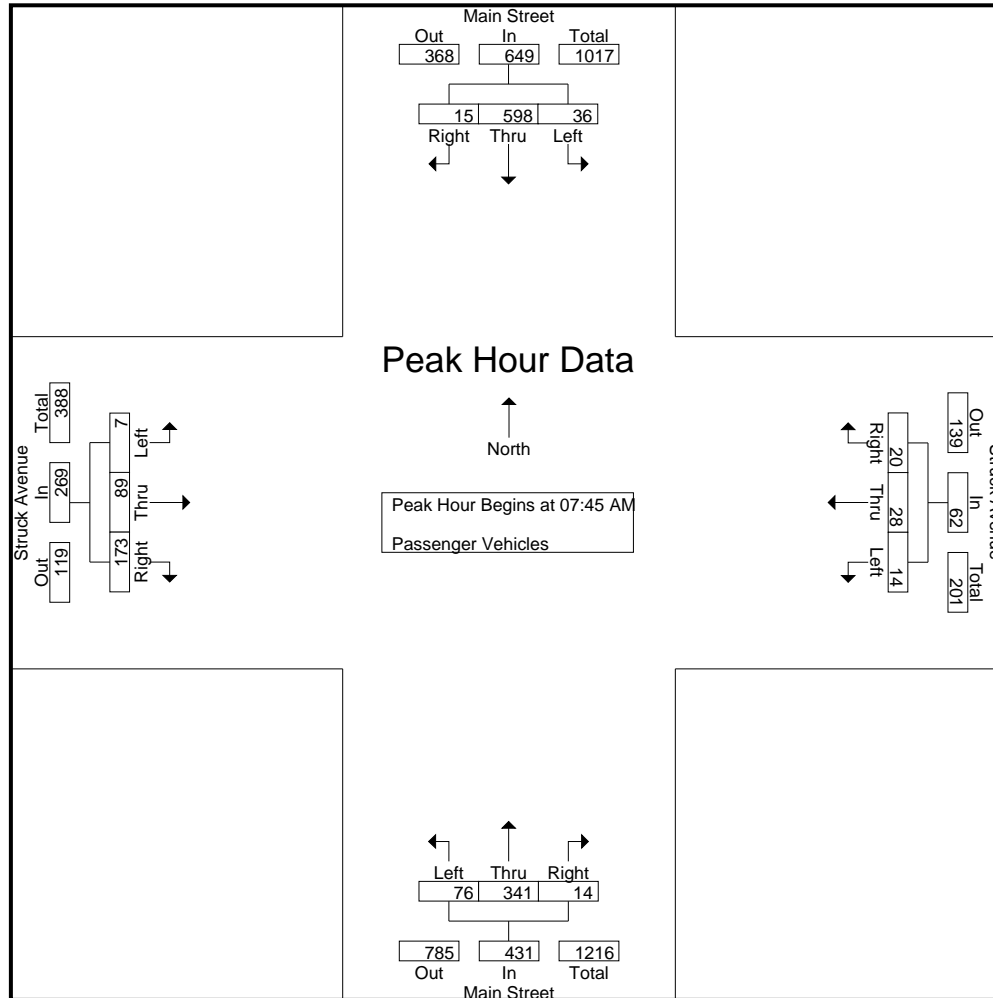
Groups Printed- Passenger Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	10	97	0	0	107	5	1	3	3	9	16	46	3	0	65	1	11	26	17	38	20	219	239
07:15 AM	6	105	1	0	112	1	4	0	0	5	20	56	1	0	77	2	13	46	37	61	37	255	292
07:30 AM	7	130	4	1	141	1	4	5	2	10	14	71	3	0	88	4	18	33	25	55	28	294	322
07:45 AM	9	160	4	1	173	3	7	6	3	16	18	84	3	0	105	1	21	48	34	70	38	364	402
Total	32	492	9	2	533	10	16	14	8	40	68	257	10	0	335	8	63	153	113	224	123	1132	1255
08:00 AM	13	154	1	0	168	7	3	5	4	15	22	77	5	0	104	1	19	48	28	68	32	355	387
08:15 AM	7	146	3	0	156	2	11	4	4	17	31	88	4	0	123	3	25	43	24	71	28	367	395
08:30 AM	7	138	7	1	152	2	7	5	2	14	5	92	2	0	99	2	24	34	22	60	25	325	350
08:45 AM	3	127	3	1	133	4	9	3	1	16	21	70	8	1	99	4	28	51	25	83	28	331	359
Total	30	565	14	2	609	15	30	17	11	62	79	327	19	1	425	10	96	176	99	282	113	1378	1491
Grand Total	62	1057	23	4	1142	25	46	31	19	102	147	584	29	1	760	18	159	329	212	506	236	2510	2746
Apprch %	5.4	92.6	2			24.5	45.1	30.4			19.3	76.8	3.8			3.6	31.4	65					
Total %	2.5	42.1	0.9		45.5	1	1.8	1.2		4.1	5.9	23.3	1.2		30.3	0.7	6.3	13.1		20.2	8.6	91.4	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	9	160	4	173	3	7	6	16	18	84	3	105	1	21	48	70	364
08:00 AM	13	154	1	168	7	3	5	15	22	77	5	104	1	19	48	68	355
08:15 AM	7	146	3	156	2	11	4	17	31	88	4	123	3	25	43	71	367
08:30 AM	7	138	7	152	2	7	5	14	5	92	2	99	2	24	34	60	325
Total Volume	36	598	15	649	14	28	20	62	76	341	14	431	7	89	173	269	1411
% App. Total	5.5	92.1	2.3		22.6	45.2	32.3		17.6	79.1	3.2		2.6	33.1	64.3		
PHF	.692	.934	.536	.938	.500	.636	.833	.912	.613	.927	.700	.876	.583	.890	.901	.947	.961

City of Orange
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 E/W: Struck Avenue
 Weather: Clear

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City of Orange
 N/S: Main Street
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 Weather: Clear

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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	9	160	4	173	3	7	6	16	18	84	3	105	1	21	48	70	
+15 mins.	13	154	1	168	7	3	5	15	22	77	5	104	1	19	48	68	
+30 mins.	7	146	3	156	2	11	4	17	31	88	4	123	3	25	43	71	
+45 mins.	7	138	7	152	2	7	5	14	5	92	2	99	2	24	34	60	
Total Volume	36	598	15	649	14	28	20	62	76	341	14	431	7	89	173	269	
% App. Total	5.5	92.1	2.3		22.6	45.2	32.3		17.6	79.1	3.2		2.6	33.1	64.3		
PHF	.692	.934	.536	.938	.500	.636	.833	.912	.613	.927	.700	.876	.583	.890	.901	.947	

City of Orange
 N/S: Main Street
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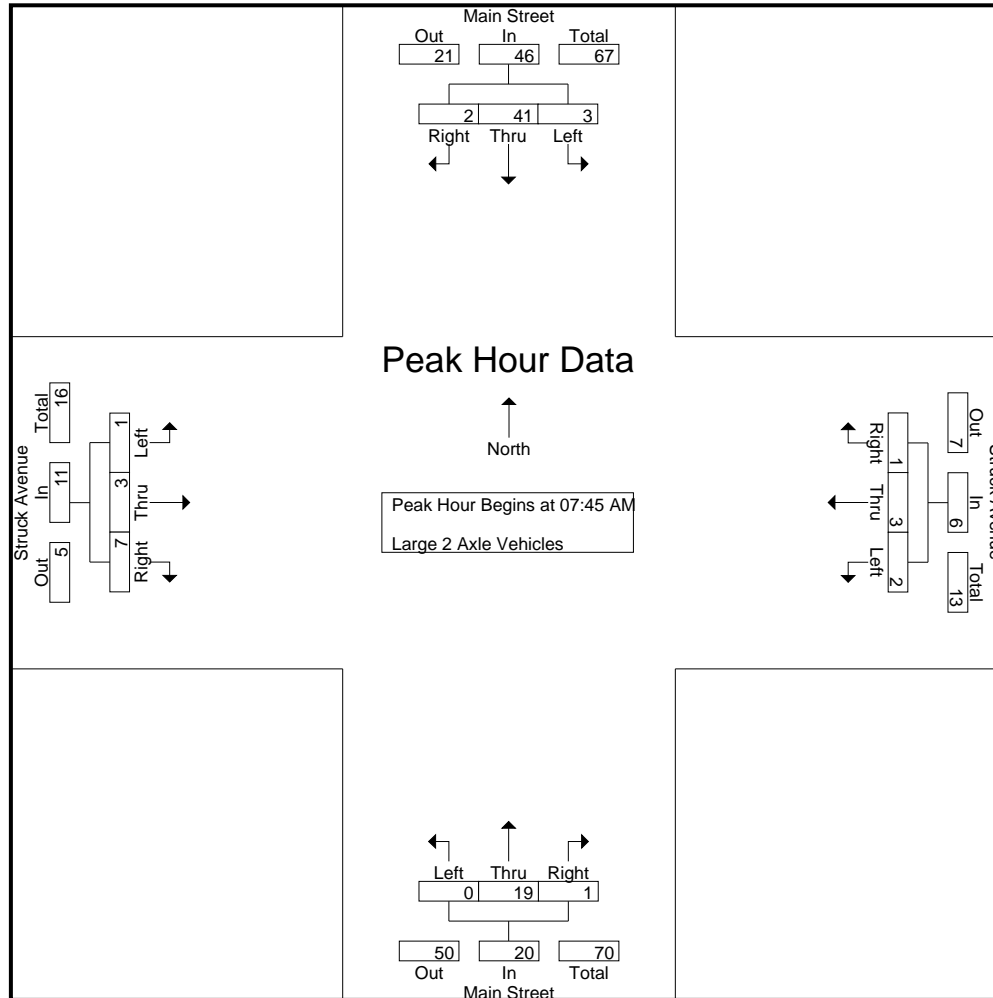
Groups Printed- Large 2 Axle Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	5	0	0	5	1	1	0	0	2	3	7	0	0	10	0	0	2	1	2	1	19	20
07:15 AM	0	5	0	0	5	0	0	0	0	0	1	8	1	0	10	0	0	1	1	1	1	16	17
07:30 AM	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	0	3	1	0	4	0	14	14
07:45 AM	1	11	1	0	13	2	1	1	0	4	0	4	1	0	5	0	0	2	1	2	1	24	25
Total	1	26	1	0	28	3	2	1	0	6	4	24	2	0	30	0	3	6	3	9	3	73	76
08:00 AM	1	11	0	0	12	0	0	0	0	0	0	8	0	0	8	0	0	3	3	3	3	23	26
08:15 AM	0	11	0	0	11	0	1	0	0	1	0	1	0	0	1	0	2	0	0	2	0	15	15
08:30 AM	1	8	1	0	10	0	1	0	0	1	0	6	0	0	6	1	1	2	1	4	1	21	22
08:45 AM	0	6	0	0	6	0	2	0	0	2	4	2	2	0	8	0	1	2	0	3	0	19	19
Total	2	36	1	0	39	0	4	0	0	4	4	17	2	0	23	1	4	7	4	12	4	78	82
Grand Total	3	62	2	0	67	3	6	1	0	10	8	41	4	0	53	1	7	13	7	21	7	151	158
Apprch %	4.5	92.5	3			30	60	10			15.1	77.4	7.5			4.8	33.3	61.9					
Total %	2	41.1	1.3		44.4	2	4	0.7		6.6	5.3	27.2	2.6		35.1	0.7	4.6	8.6		13.9	4.4	95.6	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	1	11	1	13	2	1	1	4	0	4	1	5	0	0	2	2	24
08:00 AM	1	11	0	12	0	0	0	0	0	8	0	8	0	0	3	3	23
08:15 AM	0	11	0	11	0	1	0	1	0	1	0	1	0	2	0	2	15
08:30 AM	1	8	1	10	0	1	0	1	0	6	0	6	1	1	2	4	21
Total Volume	3	41	2	46	2	3	1	6	0	19	1	20	1	3	7	11	83
% App. Total	6.5	89.1	4.3		33.3	50	16.7		0	95	5		9.1	27.3	63.6		
PHF	.750	.932	.500	.885	.250	.750	.250	.375	.000	.594	.250	.625	.250	.375	.583	.688	.865

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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				07:45 AM			
+0 mins.	1	11	1	13	2	1	1	4	0	4	1	5	0	0	2	2
+15 mins.	1	11	0	12	0	0	0	0	0	8	0	8	0	0	3	3
+30 mins.	0	11	0	11	0	1	0	1	0	1	0	1	0	2	0	2
+45 mins.	1	8	1	10	0	1	0	1	0	6	0	6	1	1	2	4
Total Volume	3	41	2	46	2	3	1	6	0	19	1	20	1	3	7	11
% App. Total	6.5	89.1	4.3		33.3	50	16.7		0	95	5		9.1	27.3	63.6	
PHF	.750	.932	.500	.885	.250	.750	.250	.375	.000	.594	.250	.625	.250	.375	.583	.688

City of Orange
 N/S: Main Street
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 Weather: Clear

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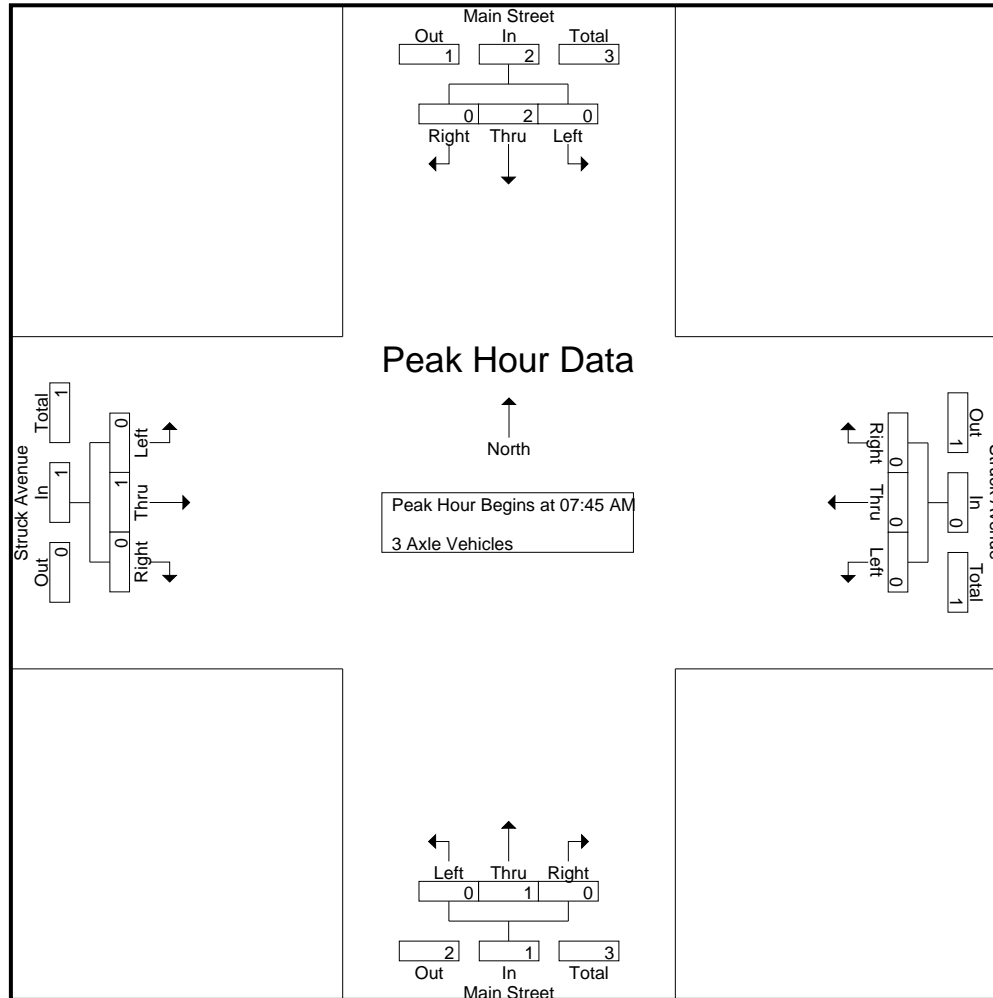
Groups Printed- 3 Axle Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	2	2
07:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	4	0	0	4	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	0	1	0	6	6
08:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	0	0	0	1	0	2	2
08:45 AM	1	0	0	0	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	1	1	0	0	2	1	0	0	0	1	0	2	0	0	2	0	1	0	0	1	0	0	0	0	1	0	6	6
Grand Total	1	5	0	0	6	1	0	0	0	1	1	2	0	0	3	1	1	0	0	2	0	0	0	0	2	0	12	12
Apprch %	16.7	83.3	0			100	0	0			33.3	66.7	0			50	50	0			0	0	0	0	0	0		
Total %	8.3	41.7	0		50	8.3	0	0		8.3	8.3	16.7	0		25	8.3	8.3	0		16.7	0	0	0	0	16.7	0	100	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	2
Total Volume	0	2	0	2	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	4
% App. Total	0	100	0		0	0	0		0	100	0		0	100	0		0	100	0		
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.500

City of Orange
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File Name : 05_ORN_Main_Str AM
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City of Orange
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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+30 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+45 mins.	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	
Total Volume	0	2	0	2	0	0	0	0	0	1	0	1	0	1	0	1	
% App. Total	0	100	0		0	0	0		0	100	0		0	100	0		
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.000	.250	.000	.250	.000	.250	.000	.250	

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

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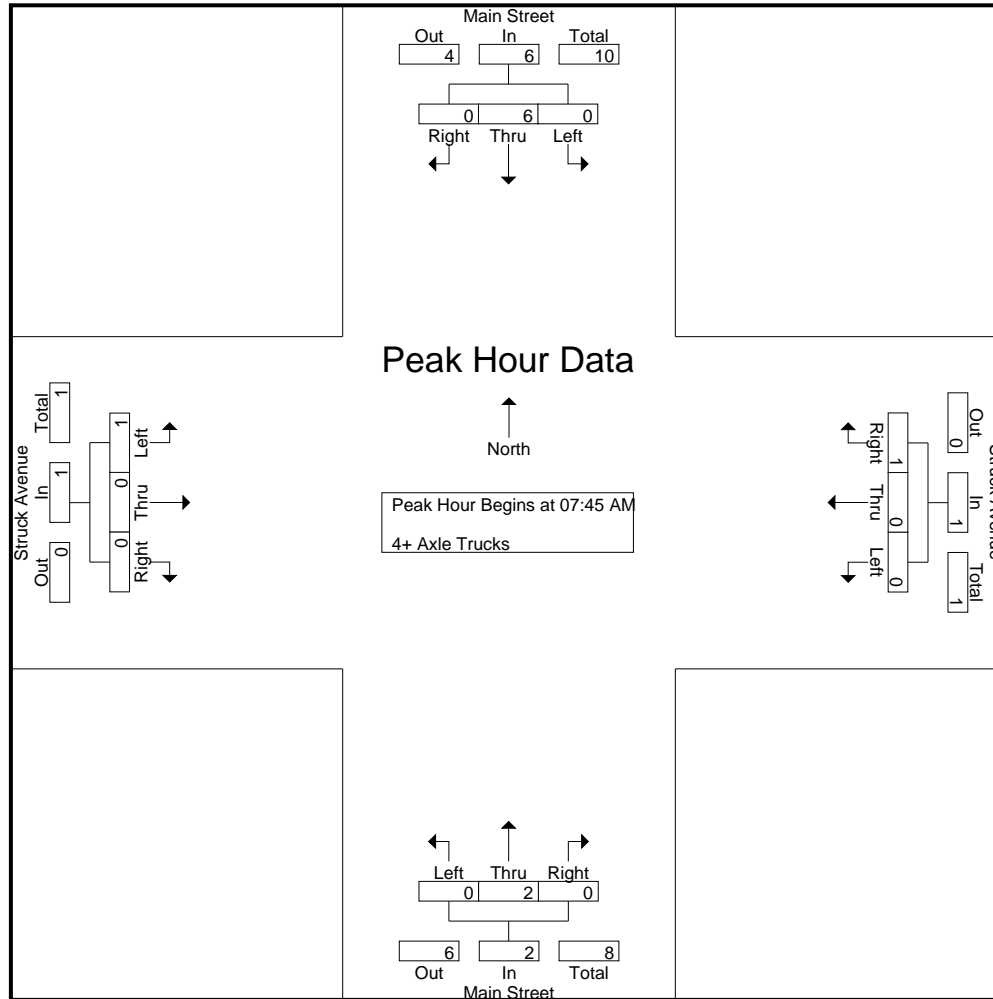
Groups Printed- 4+ Axle Trucks

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	4
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
07:30 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
07:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	5	0	0	5	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	9	9
08:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
08:15 AM	0	3	0	0	3	0	0	1	0	1	0	2	0	0	2	1	0	0	0	1	0	0	0	0	1	0	7	7
08:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
08:45 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	7	0	0	7	0	0	1	0	1	0	3	0	0	3	1	0	0	0	1	0	0	0	0	1	0	12	12
Grand Total	0	12	0	0	12	0	0	1	0	1	0	7	0	0	7	1	0	0	0	1	0	0	0	0	1	0	21	21
Apprch %	0	100	0			0	0	100			0	100	0			100	0	0			0	0	0			0		
Total %	0	57.1	0		57.1	0	0	4.8		4.8	0	33.3	0		33.3	4.8	0	0		4.8	0	0	0		4.8	0	100	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
08:15 AM	0	3	0	3	0	0	1	1	0	2	0	2	1	0	0	1	0	0	0	1	7
08:30 AM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total Volume	0	6	0	6	0	0	1	1	0	2	0	2	1	0	0	1	0	0	0	1	10
% App. Total	0	100	0		0	0	100		0	100	0		100	0	0		0	0	0		
PHF	.000	.500	.000	.500	.000	.000	.250	.250	.000	.250	.000	.250	.250	.000	.000	.250	.250	.000	.000	.250	.357

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

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City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str AM
 Site Code : 05122754
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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+30 mins.	0	3	0	3	0	0	1	1	0	2	0	2	1	0	0	1	
+45 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	6	0	6	0	0	1	1	0	2	0	2	1	0	0	1	
% App. Total	0	100	0		0	0	100		0	100	0		100	0	0		
PHF	.000	.500	.000	.500	.000	.000	.250	.250	.000	.250	.000	.250	.250	.000	.000	.250	

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
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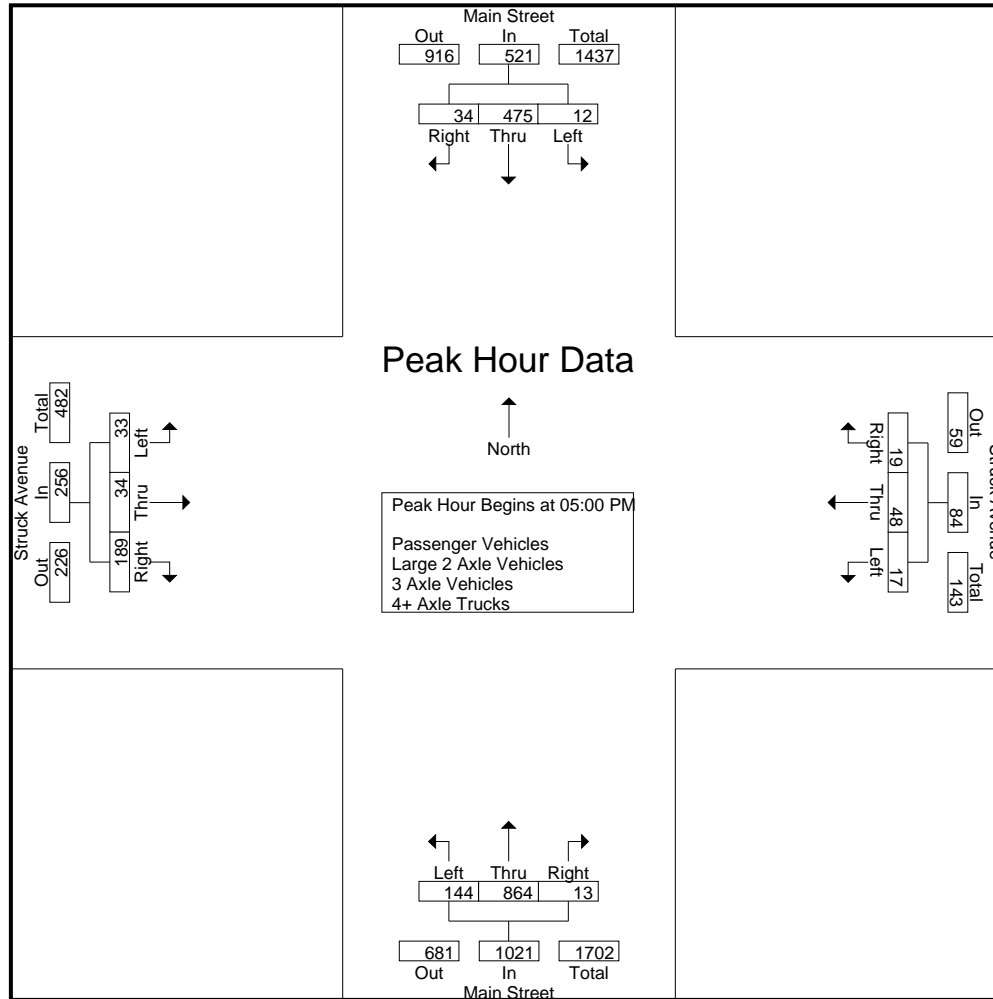
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	3	102	10	3	115	6	28	8	5	42	34	160	2	1	196	2	19	55	34	76	43	429	472
04:15 PM	7	115	3	0	125	4	12	7	6	23	34	141	3	0	178	8	20	37	21	65	27	391	418
04:30 PM	8	133	11	2	152	5	17	8	3	30	42	160	1	0	203	7	17	40	28	64	33	449	482
04:45 PM	4	100	2	0	106	3	10	8	4	21	30	158	2	0	190	5	8	35	22	48	26	365	391
Total	22	450	26	5	498	18	67	31	18	116	140	619	8	1	767	22	64	167	105	253	129	1634	1763
05:00 PM	4	142	10	3	156	8	16	4	4	28	44	211	3	0	258	11	8	47	26	66	33	508	541
05:15 PM	3	107	8	1	118	5	14	6	3	25	28	202	5	1	235	11	9	57	46	77	51	455	506
05:30 PM	2	115	7	0	124	2	9	7	6	18	38	245	3	0	286	3	8	48	33	59	39	487	526
05:45 PM	3	111	9	2	123	2	9	2	2	13	34	206	2	0	242	8	9	37	24	54	28	432	460
Total	12	475	34	6	521	17	48	19	15	84	144	864	13	1	1021	33	34	189	129	256	151	1882	2033
Grand Total	34	925	60	11	1019	35	115	50	33	200	284	1483	21	2	1788	55	98	356	234	509	280	3516	3796
Apprch %	3.3	90.8	5.9			17.5	57.5	25			15.9	82.9	1.2			10.8	19.3	69.9					
Total %	1	26.3	1.7		29	1	3.3	1.4		5.7	8.1	42.2	0.6		50.9	1.6	2.8	10.1		14.5	7.4	92.6	
Passenger Vehicles	30	895	59		995	34	112	49		227	278	1457	20		1756	54	91	347		718	0	0	3696
% Passenger Vehicles	88.2	96.8	98.3	100	96.6	97.1	97.4	98	97	97.4	97.9	98.2	95.2	50	98.1	98.2	92.9	97.5	96.6	96.6	0	0	97.4
Large 2 Axle Vehicles	4	20	1		25	1	3	0		4	5	17	1		24	1	7	7		21	0	0	74
% Large 2 Axle Vehicles	11.8	2.2	1.7	0	2.4	2.9	2.6	0	0	1.7	1.8	1.1	4.8	50	1.3	1.8	7.1	2	2.6	2.8	0	0	1.9
3 Axle Vehicles	0	3	0		3	0	0	1		2	0	6	0		6	0	0	2		4	0	0	15
% 3 Axle Vehicles	0	0.3	0	0	0.3	0	0	2	3	0.9	0	0.4	0	0	0.3	0	0	0.6	0.9	0.5	0	0	0.4
4+ Axle Trucks	0	7	0		7	0	0	0		0	1	3	0		4	0	0	0		0	0	0	11
% 4+ Axle Trucks	0	0.8	0	0	0.7	0	0	0	0	0	0.4	0.2	0	0	0.2	0	0	0	0	0	0	0	0.3

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	4	142	10	156	8	16	4	28	44	211	3	258	11	8	47	66	508
05:15 PM	3	107	8	118	5	14	6	25	28	202	5	235	11	9	57	77	455
05:30 PM	2	115	7	124	2	9	7	18	38	245	3	286	3	8	48	59	487
05:45 PM	3	111	9	123	2	9	2	13	34	206	2	242	8	9	37	54	432
Total Volume	12	475	34	521	17	48	19	84	144	864	13	1021	33	34	189	256	1882
% App. Total	2.3	91.2	6.5		20.2	57.1	22.6		14.1	84.6	1.3		12.9	13.3	73.8		
PHF	.750	.836	.850	.835	.531	.750	.679	.750	.818	.882	.650	.892	.750	.944	.829	.831	.926

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
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City of Orange
 N/S: Main Street
 E/W: Struck Avenue
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File Name : 05_ORN_Main_Str PM
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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	04:15 PM				04:00 PM				05:00 PM				05:00 PM				
+0 mins.	7	115	3	125	6	28	8	42	44	211	3	258	11	8	47	66	
+15 mins.	8	133	11	152	4	12	7	23	28	202	5	235	11	9	57	77	
+30 mins.	4	100	2	106	5	17	8	30	38	245	3	286	3	8	48	59	
+45 mins.	4	142	10	156	3	10	8	21	34	206	2	242	8	9	37	54	
Total Volume	23	490	26	539	18	67	31	116	144	864	13	1021	33	34	189	256	
% App. Total	4.3	90.9	4.8		15.5	57.8	26.7		14.1	84.6	1.3		12.9	13.3	73.8		
PHF	.719	.863	.591	.864	.750	.598	.969	.690	.818	.882	.650	.892	.750	.944	.829	.831	

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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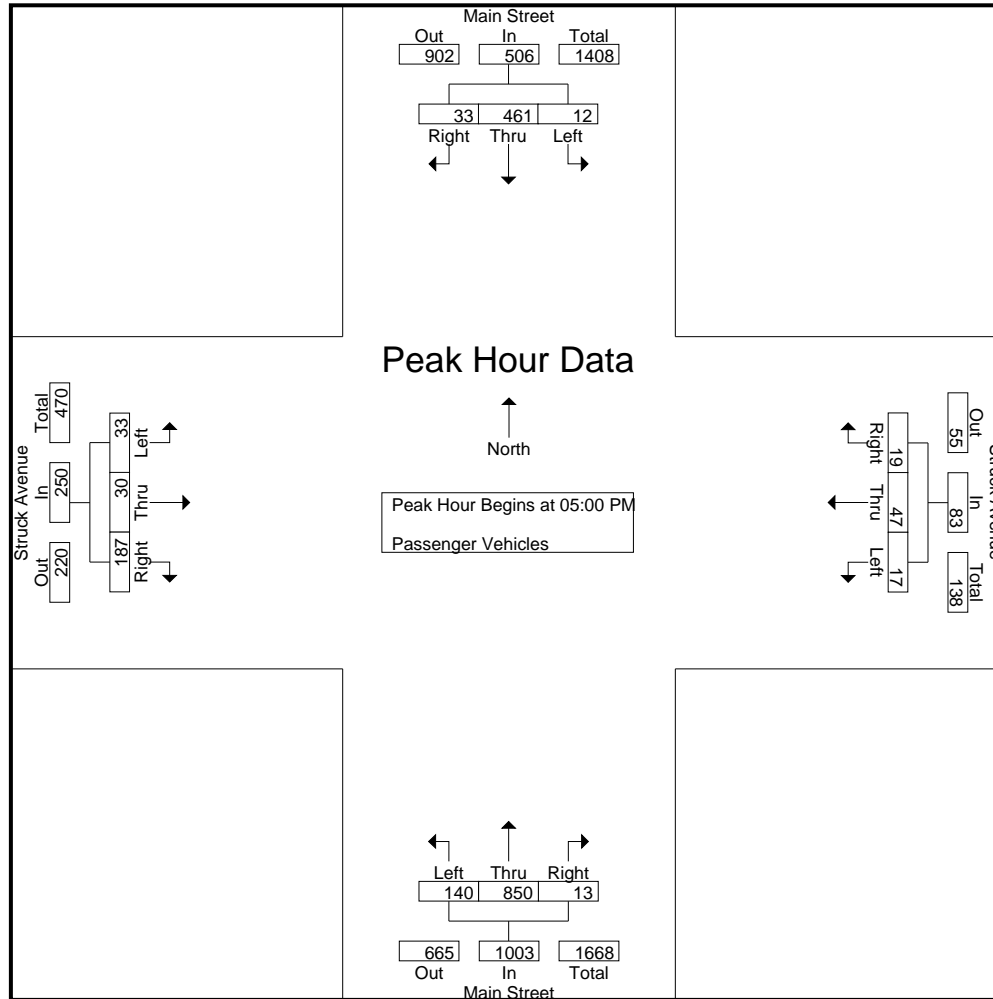
Groups Printed- Passenger Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	3	100	10	3	113	6	26	8	5	40	34	157	1	0	192	1	19	52	32	72	40	417	457
04:15 PM	4	109	3	0	116	3	12	7	6	22	33	139	3	0	175	8	19	36	20	63	26	376	402
04:30 PM	7	128	11	2	146	5	17	8	3	30	41	158	1	0	200	7	15	39	27	61	32	437	469
04:45 PM	4	97	2	0	103	3	10	7	3	20	30	153	2	0	185	5	8	33	20	46	23	354	377
Total	18	434	26	5	478	17	65	30	17	112	138	607	7	0	752	21	61	160	99	242	121	1584	1705
05:00 PM	4	136	10	3	150	8	15	4	4	27	43	208	3	0	254	11	7	47	26	65	33	496	529
05:15 PM	3	105	7	1	115	5	14	6	3	25	27	200	5	1	232	11	8	57	46	76	51	448	499
05:30 PM	2	110	7	0	119	2	9	7	6	18	36	240	3	0	279	3	7	46	31	56	37	472	509
05:45 PM	3	110	9	2	122	2	9	2	2	13	34	202	2	0	238	8	8	37	24	53	28	426	454
Total	12	461	33	6	506	17	47	19	15	83	140	850	13	1	1003	33	30	187	127	250	149	1842	1991
Grand Total	30	895	59	11	984	34	112	49	32	195	278	1457	20	1	1755	54	91	347	226	492	270	3426	3696
Apprch %	3	91	6			17.4	57.4	25.1			15.8	83	1.1			11	18.5	70.5					
Total %	0.9	26.1	1.7		28.7	1	3.3	1.4		5.7	8.1	42.5	0.6		51.2	1.6	2.7	10.1		14.4	7.3	92.7	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	4	136	10	150	8	15	4	27	43	208	3	254	11	7	47	65	496
05:15 PM	3	105	7	115	5	14	6	25	27	200	5	232	11	8	57	76	448
05:30 PM	2	110	7	119	2	9	7	18	36	240	3	279	3	7	46	56	472
05:45 PM	3	110	9	122	2	9	2	13	34	202	2	238	8	8	37	53	426
Total Volume	12	461	33	506	17	47	19	83	140	850	13	1003	33	30	187	250	1842
% App. Total	2.4	91.1	6.5		20.5	56.6	22.9		14	84.7	1.3		13.2	12	74.8		
PHF	.750	.847	.825	.843	.531	.783	.679	.769	.814	.885	.650	.899	.750	.938	.820	.822	.928

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
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City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	4	136	10	150	8	15	4	27	43	208	3	254	11	7	47	65	
+15 mins.	3	105	7	115	5	14	6	25	27	200	5	232	11	8	57	76	
+30 mins.	2	110	7	119	2	9	7	18	36	240	3	279	3	7	46	56	
+45 mins.	3	110	9	122	2	9	2	13	34	202	2	238	8	8	37	53	
Total Volume	12	461	33	506	17	47	19	83	140	850	13	1003	33	30	187	250	
% App. Total	2.4	91.1	6.5		20.5	56.6	22.9		14	84.7	1.3		13.2	12	74.8		
PHF	.750	.847	.825	.843	.531	.783	.679	.769	.814	.885	.650	.899	.750	.938	.820	.822	

City of Orange
 N/S: Main Street
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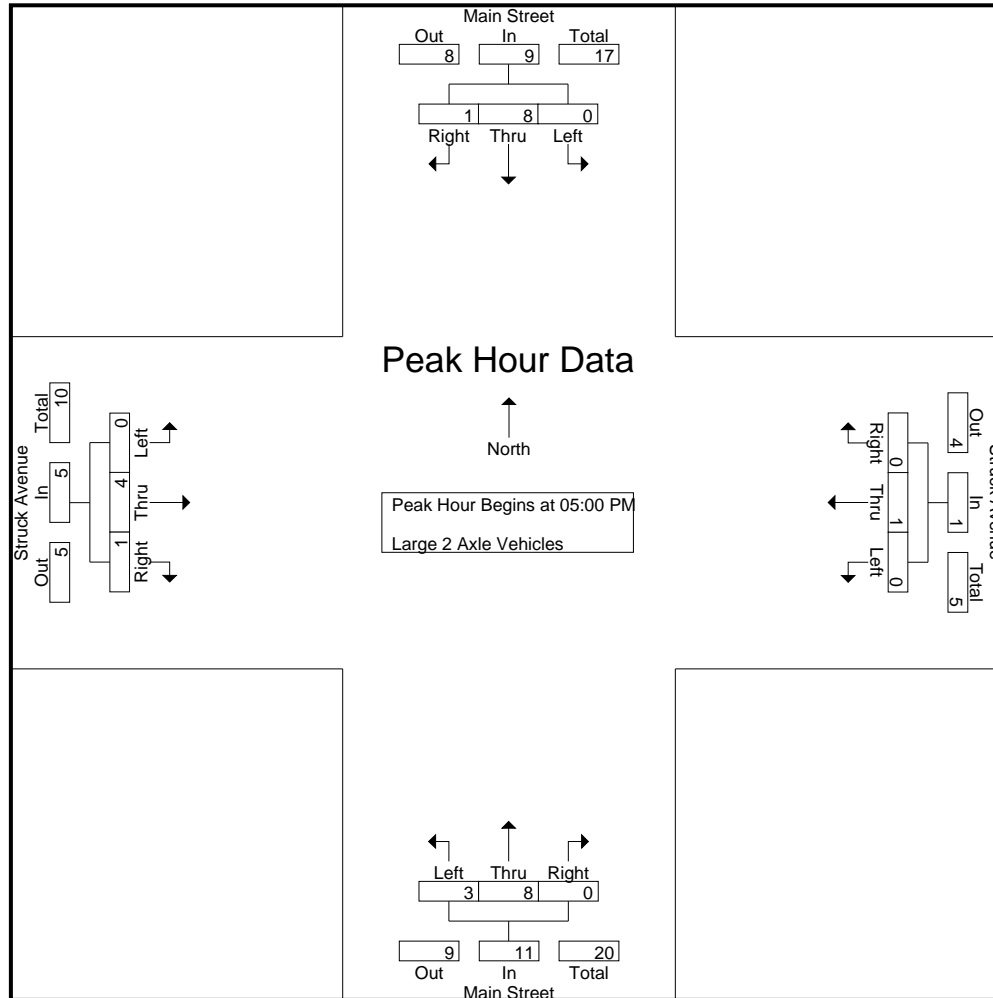
Groups Printed- Large 2 Axle Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	0	1	0	0	1	0	2	0	0	2	0	2	1	1	3	1	0	3	2	4	3	10	13
04:15 PM	3	5	0	0	8	1	0	0	0	1	1	2	0	0	3	0	1	1	1	2	1	14	15
04:30 PM	1	4	0	0	5	0	0	0	0	0	1	2	0	0	3	0	2	1	1	3	1	11	12
04:45 PM	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	0	1	1	1	1	6	7
Total	4	12	0	0	16	1	2	0	0	3	2	9	1	1	12	1	3	6	5	10	6	41	47
05:00 PM	0	4	0	0	4	0	1	0	0	1	0	3	0	0	3	0	1	0	0	1	0	9	9
05:15 PM	0	2	1	0	3	0	0	0	0	0	1	1	0	0	2	0	1	0	0	1	0	6	6
05:30 PM	0	2	0	0	2	0	0	0	0	0	2	3	0	0	5	0	1	1	1	2	1	9	10
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	1	0	2	2
Total	0	8	1	0	9	0	1	0	0	1	3	8	0	0	11	0	4	1	1	5	1	26	27
Grand Total	4	20	1	0	25	1	3	0	0	4	5	17	1	1	23	1	7	7	6	15	7	67	74
Apprch %	16	80	4			25	75	0			21.7	73.9	4.3			6.7	46.7	46.7					
Total %	6	29.9	1.5		37.3	1.5	4.5	0		6	7.5	25.4	1.5		34.3	1.5	10.4	10.4		22.4	9.5	90.5	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	4	0	4	0	1	0	1	0	3	0	3	0	1	0	1	9
05:15 PM	0	2	1	3	0	0	0	0	1	1	0	2	0	1	0	1	6
05:30 PM	0	2	0	2	0	0	0	0	2	3	0	5	0	1	1	2	9
05:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	2
Total Volume	0	8	1	9	0	1	0	1	3	8	0	11	0	4	1	5	26
% App. Total	0	88.9	11.1		0	100	0		27.3	72.7	0		0	80	20		
PHF	.000	.500	.250	.563	.000	.250	.000	.250	.375	.667	.000	.550	.000	1.00	.250	.625	.722

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	4	0	4	0	1	0	1	0	3	0	3	0	1	0	1	
+15 mins.	0	2	1	3	0	0	0	0	1	1	0	2	0	1	0	1	
+30 mins.	0	2	0	2	0	0	0	0	2	3	0	5	0	1	1	2	
+45 mins.	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	
Total Volume	0	8	1	9	0	1	0	1	3	8	0	11	0	4	1	5	
% App. Total	0	88.9	11.1		0	100	0		27.3	72.7	0		0	80	20		
PHF	.000	.500	.250	.563	.000	.250	.000	.250	.375	.667	.000	.550	.000	1.000	.250	.625	

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

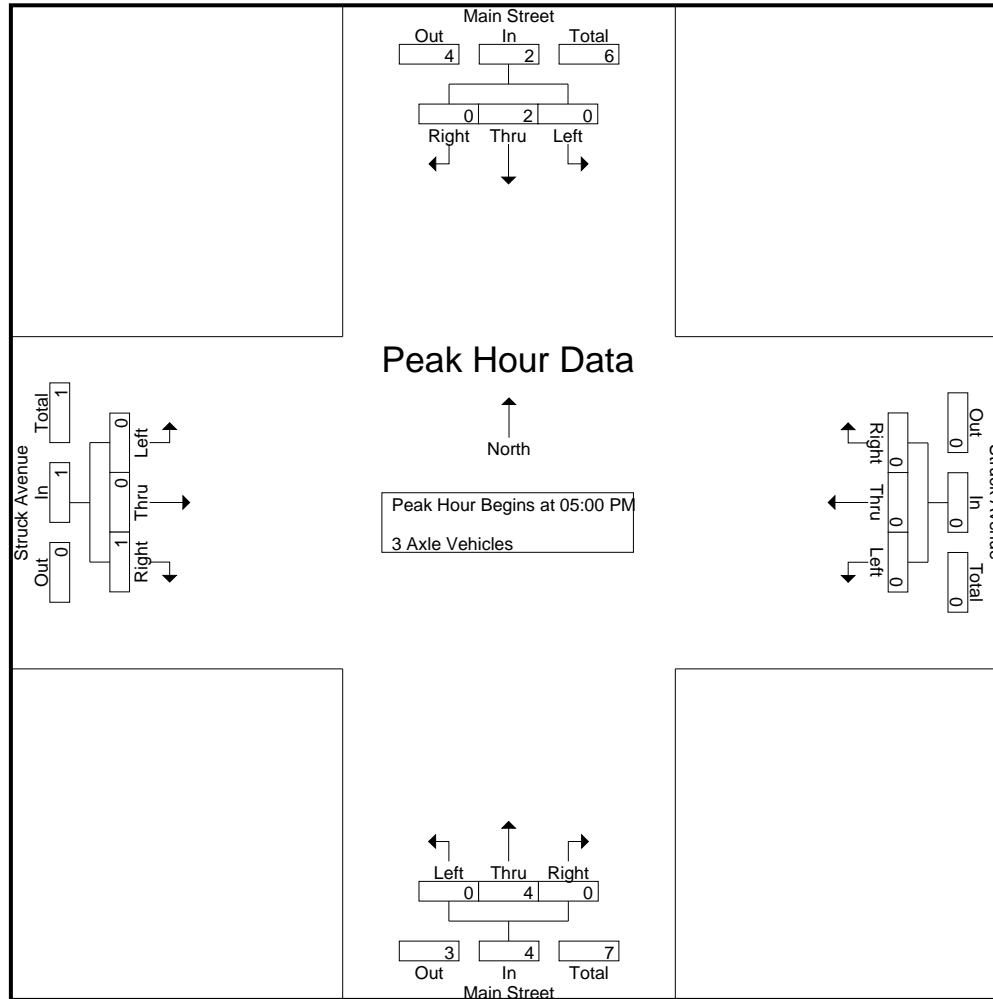
Groups Printed- 3 Axle Vehicles

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total						
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total									
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	1	1
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45 PM	0	1	0	0	1	0	0	1	1	1	0	1	0	0	1	0	0	1	1	1	0	0	1	1	1	2	4	6	6
Total	0	1	0	0	1	0	0	1	1	1	0	2	0	0	2	0	0	1	1	1	0	0	1	1	1	2	5	7	7
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	1	1	1	0	0	1	1	1	1	5	6	6
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2	2
Total	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	0	0	1	1	1	0	0	1	1	1	1	7	8	8
Grand Total	0	3	0	0	3	0	0	1	1	1	0	6	0	0	6	0	0	2	2	2	0	0	2	2	2	3	12	15	15
Apprch %	0	100	0			0	0	100			0	100	0			0	0	100			0	0	100						
Total %	0	25	0		25	0	0	8.3		8.3	0	50	0		50	0	0	16.7		16.7	0	0	16.7		16.7	20	80		

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	2	0	2	0	0	0	0	0	2	0	2	0	0	1	1	5
05:45 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	2
Total Volume	0	2	0	2	0	0	0	0	0	4	0	4	0	0	1	1	7
% App. Total	0	100	0		0	0	0		0	100	0		0	0	100		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.500	.000	.500	.000	.000	.250	.250	.350

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+30 mins.	0	2	0	2	0	0	0	0	0	2	0	2	0	0	1	1	
+45 mins.	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	
Total Volume	0	2	0	2	0	0	0	0	0	4	0	4	0	0	1	1	
% App. Total	0	100	0		0	0	0		0	100	0		0	0	100		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.500	.000	.500	.000	.000	.250	.250	

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

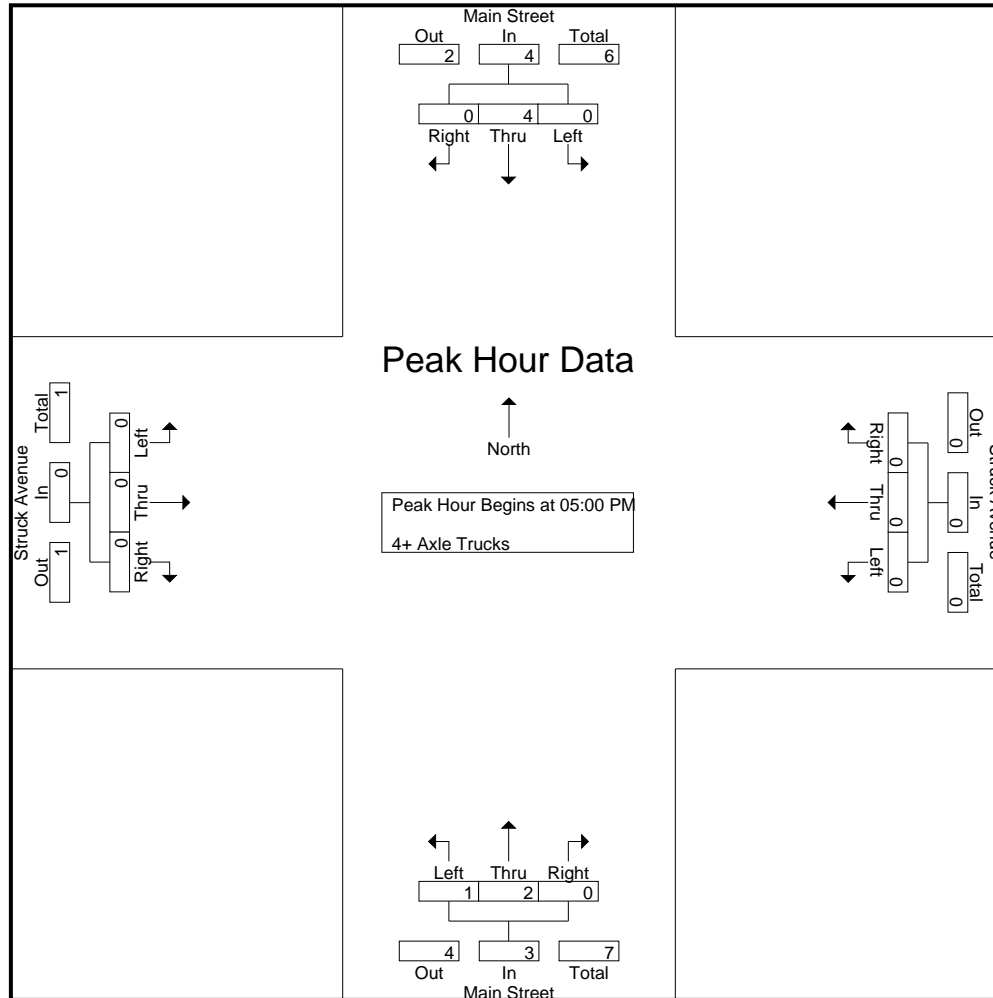
Groups Printed- 4+ Axle Trucks

Start Time	Main Street Southbound					Struck Avenue Westbound					Main Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
04:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	4
05:00 PM	0	2	0	0	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	3
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
05:30 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
05:45 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	4	0	0	4	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	7	7
Grand Total	0	7	0	0	7	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	11	11
Apprch %	0	100	0			0	0	0			25	75	0			0	0	0			0	0	0			0		
Total %	0	63.6	0		63.6	0	0	0		0	9.1	27.3	0		36.4	0	0	0		0	0	0	0		0	0	100	

Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	2	0	2	0	0	0	0	1	0	0	1	0	0	0	0	3
05:15 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
05:30 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:45 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	2
Total Volume	0	4	0	4	0	0	0	0	1	2	0	3	0	0	0	0	7
% App. Total	0	100	0		0	0	0		33.3	66.7	0		0	0	0		
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.250	.500	.000	.750	.000	.000	.000	.000	.583

City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Main Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 05_ORN_Main_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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Start Time	Main Street Southbound				Struck Avenue Westbound				Main Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM			
+0 mins.	0	2	0	2	0	0	0	0	1	0	0	1	0	0	0	0
+15 mins.	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
+30 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
+45 mins.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0
Total Volume	0	4	0	4	0	0	0	0	1	2	0	3	0	0	0	0
% App. Total	0	100	0		0	0	0		33.3	66.7	0		0	0	0	
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.250	.500	.000	.750	.000	.000	.000	.000

Location: Orange
 N/S: Main Street
 E/W: Struck Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg Main Street Pedestrians	East Leg Struck Avenue Pedestrians	South Leg Main Street Pedestrians	West Leg Struck Avenue Pedestrians	
7:00 AM	0	0	0	0	0
7:15 AM	0	1	0	0	1
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	1	0	0	0	1
8:15 AM	0	1	0	0	1
8:30 AM	3	0	0	0	3
8:45 AM	2	0	2	3	7
TOTAL VOLUMES:	6	2	2	3	13

	North Leg Main Street Pedestrians	East Leg Struck Avenue Pedestrians	South Leg Main Street Pedestrians	West Leg Struck Avenue Pedestrians	
4:00 PM	3	1	1	0	5
4:15 PM	0	1	1	1	3
4:30 PM	0	0	0	0	0
4:45 PM	0	1	1	0	2
5:00 PM	0	1	0	0	1
5:15 PM	0	0	0	1	1
5:30 PM	0	0	0	0	0
5:45 PM	0	0	2	0	2
TOTAL VOLUMES:	3	4	5	2	14

Location: Orange
 N/S: Main Street
 E/W: Struck Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound Main Street			Westbound Struck Avenue			Northbound Main Street			Eastbound Struck Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
7:45 AM	0	1	0	0	0	0	0	0	0	0	1	0	2
8:00 AM	0	1	0	0	0	0	0	1	0	0	0	1	3
8:15 AM	0	0	0	0	1	0	0	0	1	0	0	0	2
8:30 AM	0	0	0	0	0	0	0	0	2	0	1	0	3
8:45 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL VOLUMES:	1	2	0	0	1	0	1	2	3	0	2	1	13

	Southbound Main Street			Westbound Struck Avenue			Northbound Main Street			Eastbound Struck Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	1	0	1
4:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	1	0	0	0	0	0	0	0	0	2	0	3
5:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	1	0	0	0	0	0	0	0	0	0	1	2
5:45 PM	1	0	0	0	0	0	0	0	0	0	0	1	2
TOTAL VOLUMES:	1	4	0	0	0	0	0	0	0	0	3	2	10

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

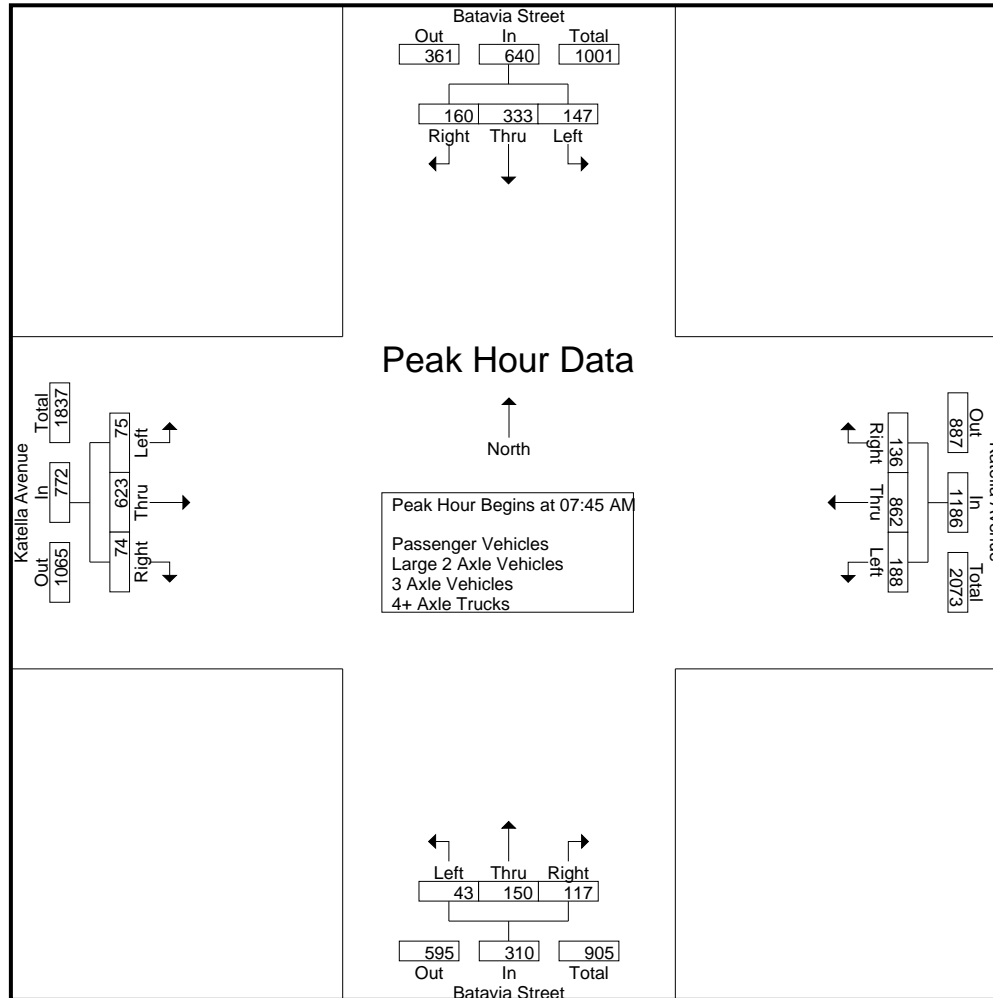
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	33	58	39	1	130	40	153	17	3	210	12	33	41	0	86	12	82	9	1	103	5	529	534
07:15 AM	32	73	28	1	133	27	176	19	4	222	5	34	18	0	57	11	111	12	5	134	10	546	556
07:30 AM	41	81	34	0	156	52	198	29	4	279	10	28	19	0	57	11	120	19	7	150	11	642	653
07:45 AM	44	102	41	0	187	47	220	26	6	293	9	44	30	0	83	23	142	14	3	179	9	742	751
Total	150	314	142	2	606	166	747	91	17	1004	36	139	108	0	283	57	455	54	16	566	35	2459	2494
08:00 AM	31	92	33	0	156	54	209	35	8	298	10	23	32	0	65	20	170	21	7	211	15	730	745
08:15 AM	45	69	43	1	157	47	235	32	11	314	10	40	29	0	79	19	152	18	7	189	19	739	758
08:30 AM	27	70	43	0	140	40	198	43	6	281	14	43	26	0	83	13	159	21	5	193	11	697	708
08:45 AM	28	70	29	0	127	29	232	35	9	296	10	28	31	0	69	23	146	8	2	177	11	669	680
Total	131	301	148	1	580	170	874	145	34	1189	44	134	118	0	296	75	627	68	21	770	56	2835	2891
Grand Total	281	615	290	3	1186	336	1621	236	51	2193	80	273	226	0	579	132	1082	122	37	1336	91	5294	5385
Apprch %	23.7	51.9	24.5			15.3	73.9	10.8			13.8	47.2	39			9.9	81	9.1					
Total %	5.3	11.6	5.5		22.4	6.3	30.6	4.5		41.4	1.5	5.2	4.3		10.9	2.5	20.4	2.3		25.2	1.7	98.3	
Passenger Vehicles	259	570	261		1093	322	1556	225		2152	67	245	202		514	125	1033	110		1305	0	0	5064
% Passenger Vehicles	92.2	92.7	90	100	91.9	95.8	96	95.3	96.1	95.9	83.8	89.7	89.4	0	88.8	94.7	95.5	90.2	100	95	0	0	94
Large 2 Axle Vehicles	21	32	20		73	13	52	7		74	9	22	21		52	7	40	7		54	0	0	253
% Large 2 Axle Vehicles	7.5	5.2	6.9	0	6.1	3.9	3.2	3	3.9	3.3	11.2	8.1	9.3	0	9	5.3	3.7	5.7	0	3.9	0	0	4.7
3 Axle Vehicles	1	6	4		11	0	3	4		7	2	3	3		8	0	2	4		6	0	0	32
% 3 Axle Vehicles	0.4	1	1.4	0	0.9	0	0.2	1.7	0	0.3	2.5	1.1	1.3	0	1.4	0	0.2	3.3	0	0.4	0	0	0.6
4+ Axle Trucks	0	7	5		12	1	10	0		11	2	3	0		5	0	7	1		8	0	0	36
% 4+ Axle Trucks	0	1.1	1.7	0	1	0.3	0.6	0	0	0.5	2.5	1.1	0	0	0.9	0	0.6	0.8	0	0.6	0	0	0.7

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	44	102	41	187	47	220	26	293	9	44	30	83	23	142	14	179	742
08:00 AM	31	92	33	156	54	209	35	298	10	23	32	65	20	170	21	211	730
08:15 AM	45	69	43	157	47	235	32	314	10	40	29	79	19	152	18	189	739
08:30 AM	27	70	43	140	40	198	43	281	14	43	26	83	13	159	21	193	697
Total Volume	147	333	160	640	188	862	136	1186	43	150	117	310	75	623	74	772	2908
% App. Total	23	52	25		15.9	72.7	11.5		13.9	48.4	37.7		9.7	80.7	9.6		
PHF	.817	.816	.930	.856	.870	.917	.791	.944	.768	.852	.914	.934	.815	.916	.881	.915	.980

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				07:45 AM				
+0 mins.	41	81	34	156	54	209	35	298	9	44	30	83	23	142	14	179	
+15 mins.	44	102	41	187	47	235	32	314	10	23	32	65	20	170	21	211	
+30 mins.	31	92	33	156	40	198	43	281	10	40	29	79	19	152	18	189	
+45 mins.	45	69	43	157	29	232	35	296	14	43	26	83	13	159	21	193	
Total Volume	161	344	151	656	170	874	145	1189	43	150	117	310	75	623	74	772	
% App. Total	24.5	52.4	23		14.3	73.5	12.2		13.9	48.4	37.7		9.7	80.7	9.6		
PHF	.894	.843	.878	.877	.787	.930	.843	.947	.768	.852	.914	.934	.815	.916	.881	.915	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
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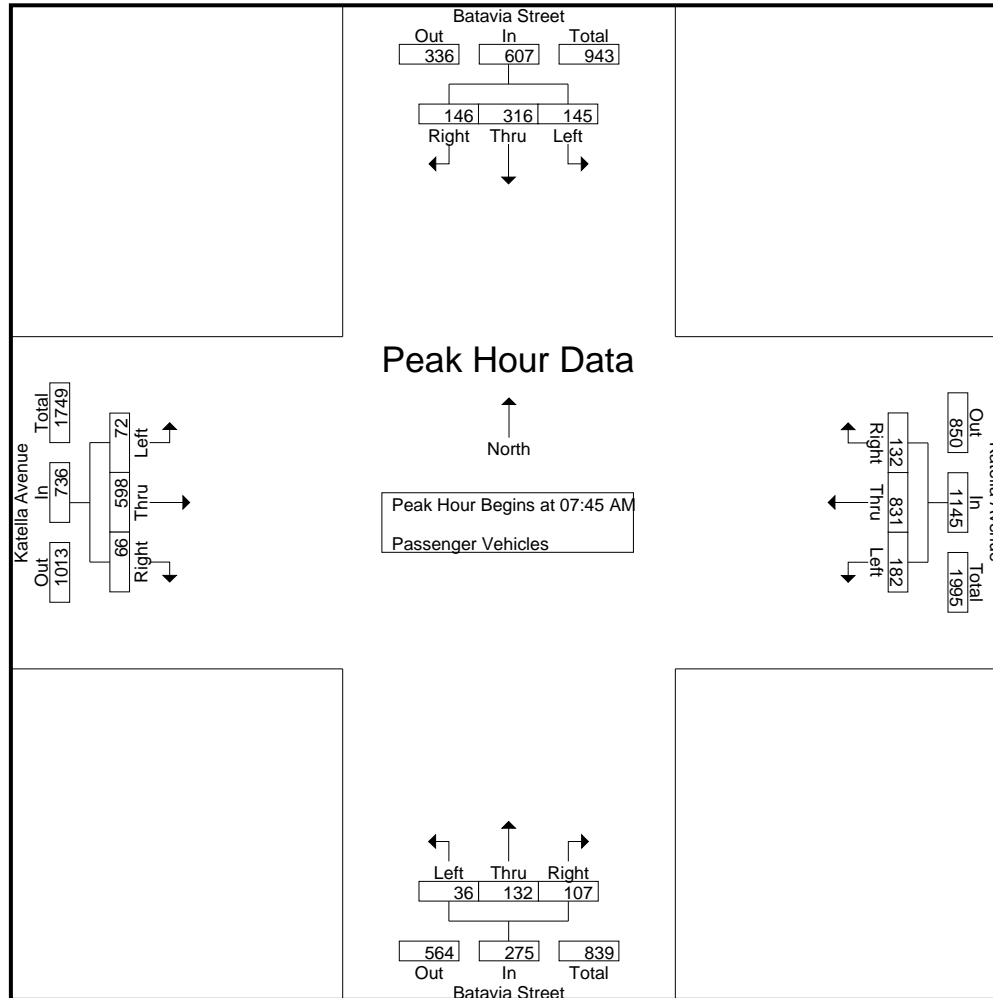
Groups Printed- Passenger Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	24	50	32	1	106	34	146	17	3	197	9	30	37	0	76	12	76	7	1	95	5	474	479
07:15 AM	29	68	24	1	121	26	165	18	4	209	5	29	15	0	49	9	105	12	5	126	10	505	515
07:30 AM	36	76	31	0	143	52	188	26	3	266	8	27	17	0	52	10	113	18	7	141	10	602	612
07:45 AM	44	101	39	0	184	47	212	26	6	285	7	38	27	0	72	23	133	13	3	169	9	710	719
Total	133	295	126	2	554	159	711	87	16	957	29	124	96	0	249	54	427	50	16	531	34	2291	2325
08:00 AM	30	86	25	0	141	52	204	34	8	290	10	22	29	0	61	19	162	18	7	199	15	691	706
08:15 AM	44	67	43	1	154	44	224	31	11	299	5	33	26	0	64	18	149	17	7	184	19	701	720
08:30 AM	27	62	39	0	128	39	191	41	6	271	14	39	25	0	78	12	154	18	5	184	11	661	672
08:45 AM	25	60	28	0	113	28	226	32	8	286	9	27	26	0	62	22	141	7	2	170	10	631	641
Total	126	275	135	1	536	163	845	138	33	1146	38	121	106	0	265	71	606	60	21	737	55	2684	2739
Grand Total	259	570	261	3	1090	322	1556	225	49	2103	67	245	202	0	514	125	1033	110	37	1268	89	4975	5064
Apprch %	23.8	52.3	23.9			15.3	74	10.7			13	47.7	39.3			9.9	81.5	8.7					
Total %	5.2	11.5	5.2		21.9	6.5	31.3	4.5		42.3	1.3	4.9	4.1		10.3	2.5	20.8	2.2		25.5	1.8	98.2	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	44	101	39	184	47	212	26	285	7	38	27	72	23	133	13	169	710
08:00 AM	30	86	25	141	52	204	34	290	10	22	29	61	19	162	18	199	691
08:15 AM	44	67	43	154	44	224	31	299	5	33	26	64	18	149	17	184	701
08:30 AM	27	62	39	128	39	191	41	271	14	39	25	78	12	154	18	184	661
Total Volume	145	316	146	607	182	831	132	1145	36	132	107	275	72	598	66	736	2763
% App. Total	23.9	52.1	24.1		15.9	72.6	11.5		13.1	48	38.9		9.8	81.2	9		
PHF	.824	.782	.849	.825	.875	.927	.805	.957	.643	.846	.922	.881	.783	.923	.917	.925	.973

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	44	101	39	184	47	212	26	285	7	38	27	72	23	133	13	169	
+15 mins.	30	86	25	141	52	204	34	290	10	22	29	61	19	162	18	199	
+30 mins.	44	67	43	154	44	224	31	299	5	33	26	64	18	149	17	184	
+45 mins.	27	62	39	128	39	191	41	271	14	39	25	78	12	154	18	184	
Total Volume	145	316	146	607	182	831	132	1145	36	132	107	275	72	598	66	736	
% App. Total	23.9	52.1	24.1		15.9	72.6	11.5		13.1	48	38.9		9.8	81.2	9		
PHF	.824	.782	.849	.825	.875	.927	.805	.957	.643	.846	.922	.881	.783	.923	.917	.925	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

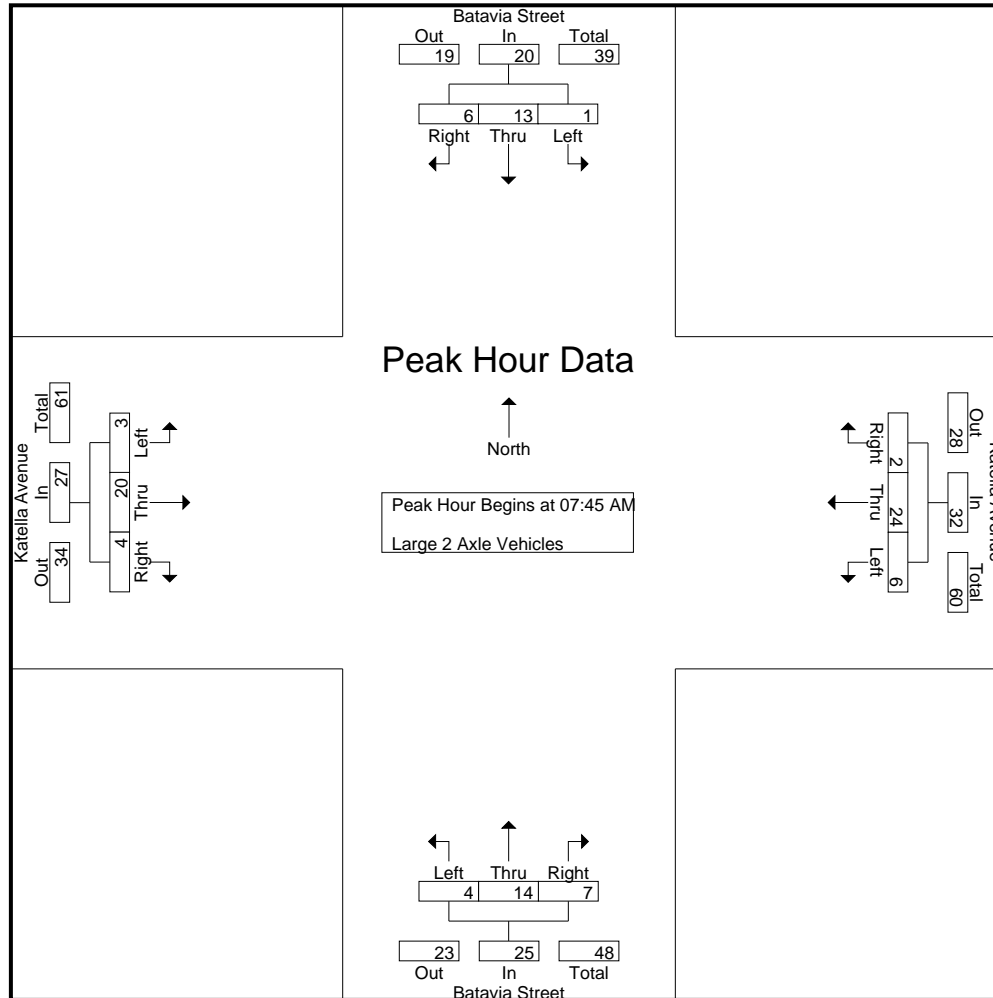
Groups Printed- Large 2 Axle Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	9	4	7	0	20	5	6	0	0	11	3	2	4	0	9	0	5	2	0	7	0	47	47
07:15 AM	3	4	4	0	11	1	10	1	0	12	0	4	3	0	7	2	6	0	0	8	0	38	38
07:30 AM	5	4	3	0	12	0	8	2	1	10	1	1	2	0	4	1	6	1	0	8	1	34	35
07:45 AM	0	1	0	0	1	0	6	0	0	6	0	5	2	0	7	0	9	1	0	10	0	24	24
Total	17	13	14	0	44	6	30	3	1	39	4	12	11	0	27	3	26	4	0	33	1	143	144
08:00 AM	0	5	4	0	9	2	5	1	0	8	0	1	2	0	3	1	6	3	0	10	0	30	30
08:15 AM	1	1	0	0	2	3	8	0	0	11	4	6	2	0	12	1	2	0	0	3	0	28	28
08:30 AM	0	6	2	0	8	1	5	1	0	7	0	2	1	0	3	1	3	0	0	4	0	22	22
08:45 AM	3	7	0	0	10	1	4	2	1	7	1	1	5	0	7	1	3	0	0	4	1	28	29
Total	4	19	6	0	29	7	22	4	1	33	5	10	10	0	25	4	14	3	0	21	1	108	109
Grand Total	21	32	20	0	73	13	52	7	2	72	9	22	21	0	52	7	40	7	0	54	2	251	253
Apprch %	28.8	43.8	27.4			18.1	72.2	9.7			17.3	42.3	40.4			13	74.1	13					
Total %	8.4	12.7	8		29.1	5.2	20.7	2.8		28.7	3.6	8.8	8.4		20.7	2.8	15.9	2.8		21.5	0.8	99.2	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	1	0	6	0	6	0	5	2	7	0	9	1	10	24
08:00 AM	0	5	4	9	2	5	1	8	0	1	2	3	1	6	3	10	30
08:15 AM	1	1	0	2	3	8	0	11	4	6	2	12	1	2	0	3	28
08:30 AM	0	6	2	8	1	5	1	7	0	2	1	3	1	3	0	4	22
Total Volume	1	13	6	20	6	24	2	32	4	14	7	25	3	20	4	27	104
% App. Total	5	65	30		18.8	75	6.2		16	56	28		11.1	74.1	14.8		
PHF	.250	.542	.375	.556	.500	.750	.500	.727	.250	.583	.875	.521	.750	.556	.333	.675	.867

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
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Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	1	0	1	0	6	0	6	0	5	2	7	0	9	1	10	
+15 mins.	0	5	4	9	2	5	1	8	0	1	2	3	1	6	3	10	
+30 mins.	1	1	0	2	3	8	0	11	4	6	2	12	1	2	0	3	
+45 mins.	0	6	2	8	1	5	1	7	0	2	1	3	1	3	0	4	
Total Volume	1	13	6	20	6	24	2	32	4	14	7	25	3	20	4	27	
% App. Total	5	65	30		18.8	75	6.2		16	56	28		11.1	74.1	14.8		
PHF	.250	.542	.375	.556	.500	.750	.500	.727	.250	.583	.875	.521	.750	.556	.333	.675	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

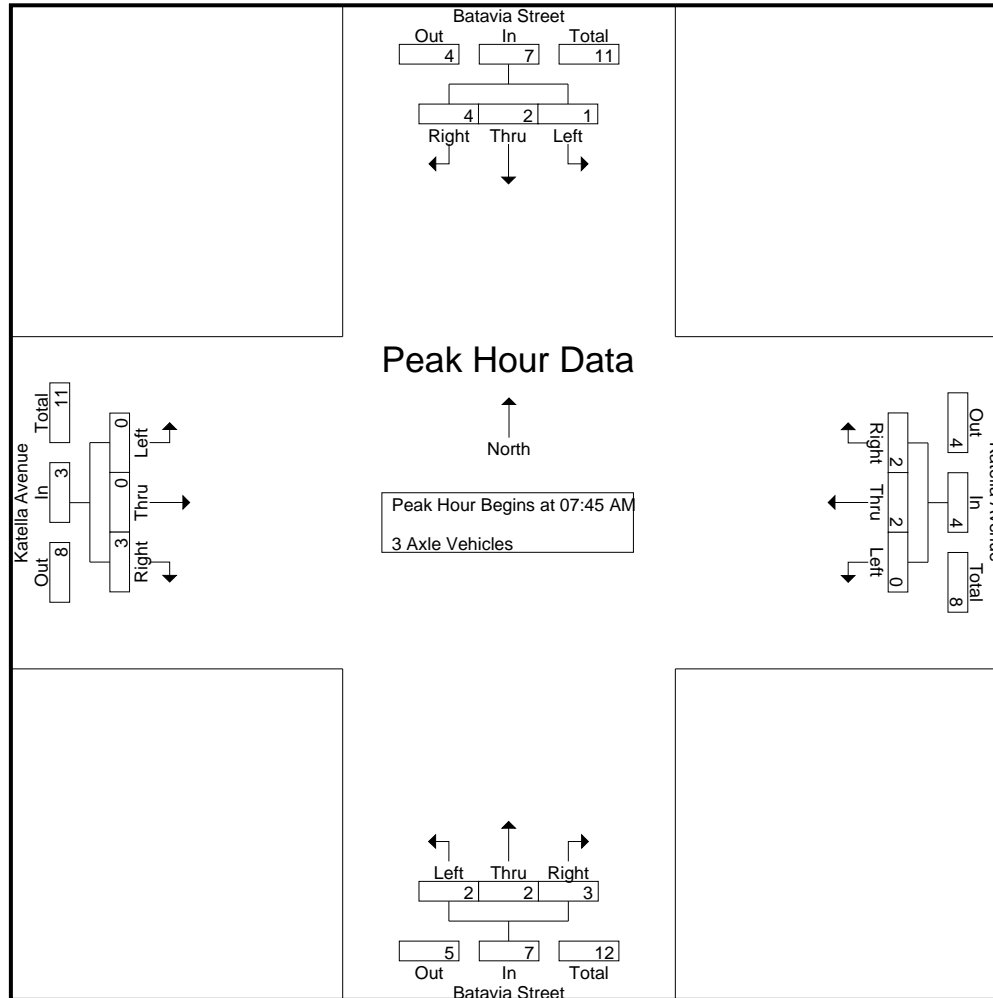
Groups Printed- 3 Axle Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
07:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	2	2
07:15 AM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	2
07:30 AM	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
07:45 AM	0	0	1	0	1	0	0	0	0	0	2	1	1	0	4	0	0	0	0	0	0	0	5	5
Total	0	2	1	0	3	0	1	1	0	2	2	2	1	0	5	0	1	0	0	1	0	0	11	11
08:00 AM	1	1	2	0	4	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	5	5
08:15 AM	0	1	0	0	1	0	1	1	0	2	0	0	1	0	1	0	0	1	0	1	0	0	5	5
08:30 AM	0	0	1	0	1	0	1	1	0	2	0	1	0	0	1	0	0	2	0	2	0	0	6	6
08:45 AM	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	1	1	0	2	0	0	5	5
Total	1	4	3	0	8	0	2	3	0	5	0	1	2	0	3	0	1	4	0	5	0	0	21	21
Grand Total	1	6	4	0	11	0	3	4	0	7	2	3	3	0	8	0	2	4	0	6	0	0	32	32
Apprch %	9.1	54.5	36.4			0	42.9	57.1			25	37.5	37.5			0	33.3	66.7			0	0		
Total %	3.1	18.8	12.5		34.4	0	9.4	12.5		21.9	6.2	9.4	9.4		25	0	6.2	12.5		18.8	0	0	100	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
07:45 AM	0	0	1	1	0	0	0	0	2	1	1	4	0	0	0	0	5
08:00 AM	1	1	2	4	0	0	0	0	0	0	1	1	0	0	0	0	5
08:15 AM	0	1	0	1	0	1	1	2	0	0	1	1	0	0	1	1	5
08:30 AM	0	0	1	1	0	1	1	2	0	1	0	1	0	0	2	2	6
Total Volume	1	2	4	7	0	2	2	4	2	2	3	7	0	0	3	3	21
% App. Total	14.3	28.6	57.1		0	50	50		28.6	28.6	42.9		0	0	100		
PHF	.250	.500	.500	.438	.000	.500	.500	.500	.250	.500	.750	.438	.000	.000	.375	.375	.875

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

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City of Orange
 N/S: Batavia Street
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 Weather: Clear

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Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	0	1	1	0	0	0	0	2	1	1	4	0	0	0	0	
+15 mins.	1	1	2	4	0	0	0	0	0	0	1	1	0	0	0	0	
+30 mins.	0	1	0	1	0	1	1	2	0	0	1	1	0	0	1	1	
+45 mins.	0	0	1	1	0	1	1	2	0	1	0	1	0	0	2	2	
Total Volume	1	2	4	7	0	2	2	4	2	2	3	7	0	0	3	3	
% App. Total	14.3	28.6	57.1		0	50	50		28.6	28.6	42.9		0	0	100		
PHF	.250	.500	.500	.438	.000	.500	.500	.500	.250	.500	.750	.438	.000	.000	.375	.375	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
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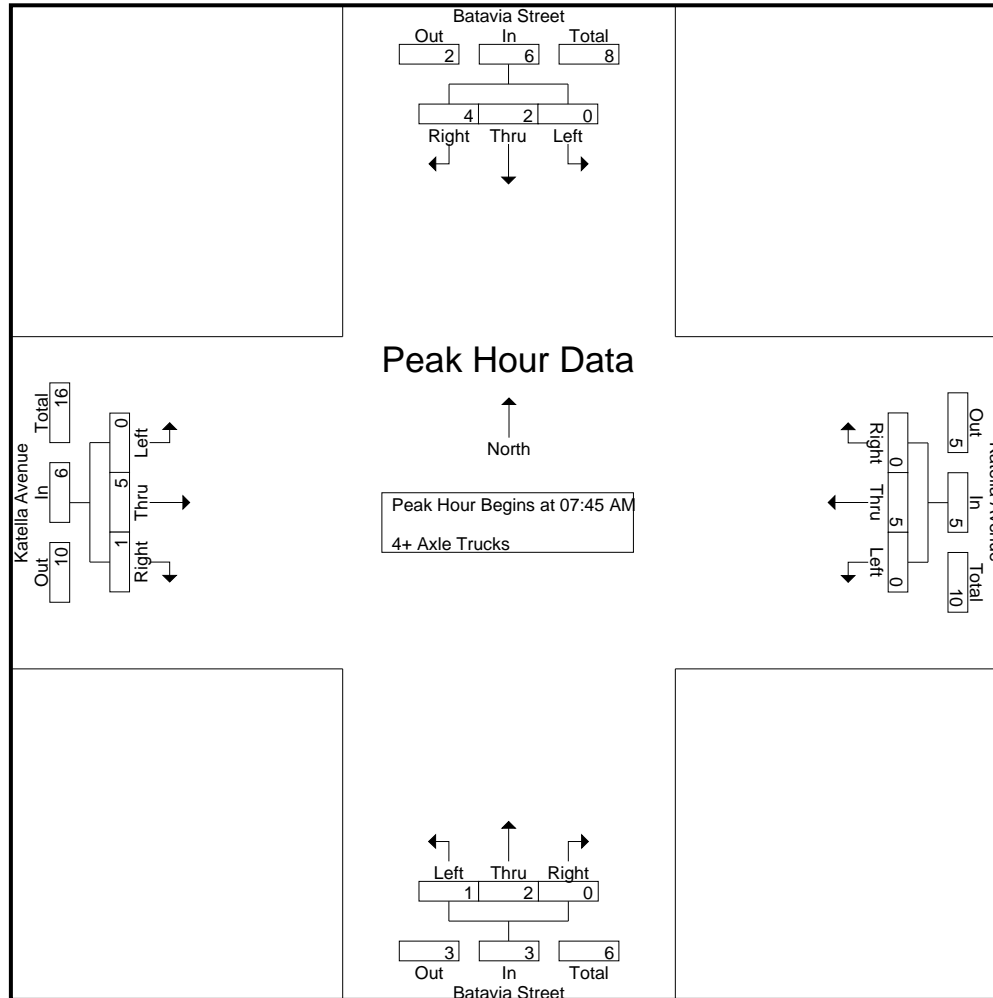
Groups Printed- 4+ Axle Trucks

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	3	0	0	3	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	6	6
07:15 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:30 AM	0	1	0	0	1	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	0	0	0	0	1	0	4	4
07:45 AM	0	0	1	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	4	1	0	5	1	5	0	0	6	1	1	0	0	2	0	1	0	0	1	0	0	0	0	1	0	14	14
08:00 AM	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	2	0	4	4
08:15 AM	0	0	0	0	0	0	2	0	0	2	1	1	0	0	2	0	1	0	0	1	0	0	0	0	1	0	5	5
08:30 AM	0	2	1	0	3	0	1	0	0	1	0	1	0	0	1	0	2	1	0	3	0	0	0	0	3	0	8	8
08:45 AM	0	1	1	0	2	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	5	5
Total	0	3	4	0	7	0	5	0	0	5	1	2	0	0	3	0	6	1	0	7	0	0	0	0	7	0	22	22
Grand Total	0	7	5	0	12	1	10	0	0	11	2	3	0	0	5	0	7	1	0	8	0	0	0	0	8	0	36	36
Apprch %	0	58.3	41.7			9.1	90.9	0			40	60	0			0	87.5	12.5			0	0	0	0		0		
Total %	0	19.4	13.9		33.3	2.8	27.8	0		30.6	5.6	8.3	0		13.9	0	19.4	2.8		22.2	0	0	0	0		0	100	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	1	1	0	2	0	2	0	0	0	0	0	0	0	0	3
08:00 AM	0	0	2	2	0	0	0	0	0	0	0	0	0	2	0	2	4
08:15 AM	0	0	0	0	0	2	0	2	1	1	0	2	0	1	0	1	5
08:30 AM	0	2	1	3	0	1	0	1	0	1	0	1	0	2	1	3	8
Total Volume	0	2	4	6	0	5	0	5	1	2	0	3	0	5	1	6	20
% App. Total	0	33.3	66.7		0	100	0		33.3	66.7	0		0	83.3	16.7		
PHF	.000	.250	.500	.500	.000	.625	.000	.625	.250	.500	.000	.375	.000	.625	.250	.500	.625

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat AM
 Site Code : 05122754
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Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	0	1	1	0	2	0	2	0	0	0	0	0	0	0	0	
+15 mins.	0	0	2	2	0	0	0	0	0	0	0	0	0	2	0	2	
+30 mins.	0	0	0	0	0	2	0	2	1	1	0	2	0	1	0	1	
+45 mins.	0	2	1	3	0	1	0	1	0	1	0	1	0	2	1	3	
Total Volume	0	2	4	6	0	5	0	5	1	2	0	3	0	5	1	6	
% App. Total	0	33.3	66.7		0	100	0		33.3	66.7	0		0	83.3	16.7		
PHF	.000	.250	.500	.500	.000	.625	.000	.625	.250	.500	.000	.375	.000	.625	.250	.500	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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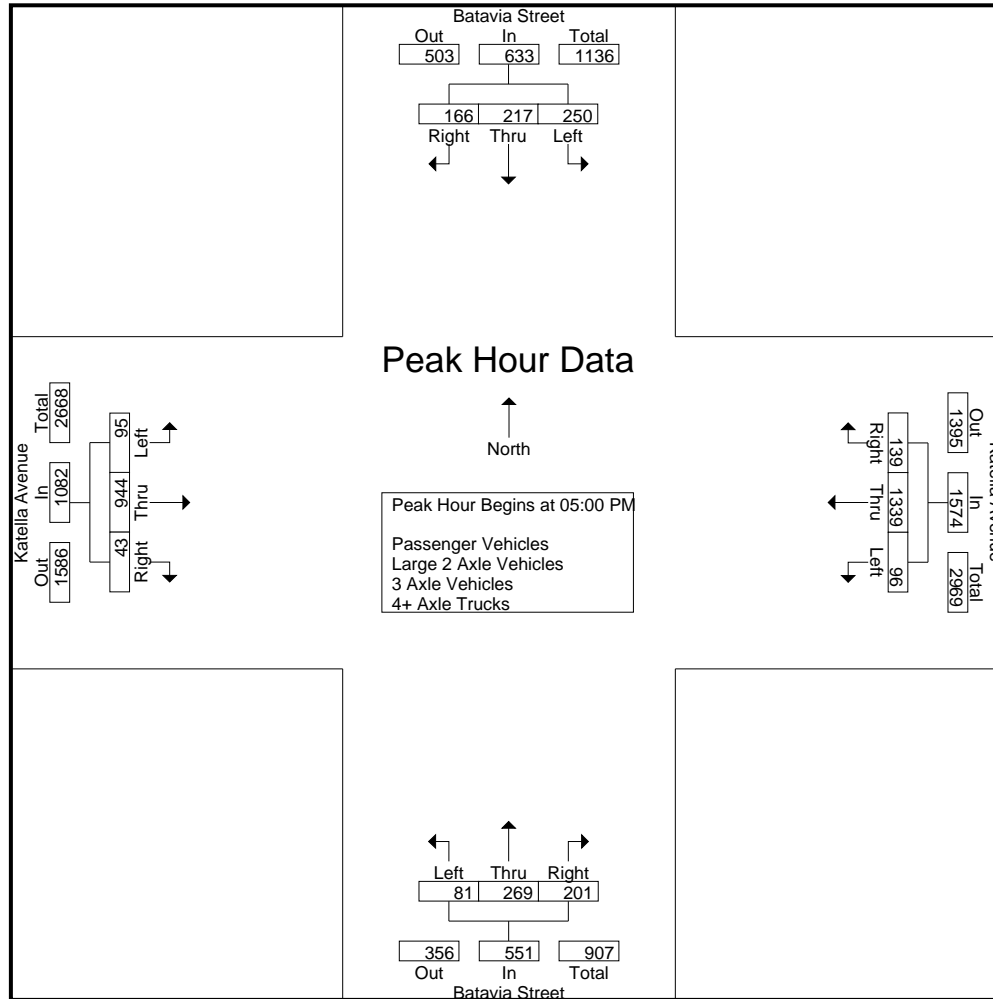
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	56	65	40	0	161	49	280	36	7	365	20	78	60	0	158	17	205	12	5	234	12	918	930
04:15 PM	50	62	29	0	141	34	227	32	11	293	15	63	58	0	136	25	226	14	4	265	15	835	850
04:30 PM	47	69	43	0	159	31	297	38	13	366	29	58	48	0	135	12	228	13	5	253	18	913	931
04:45 PM	52	67	40	0	159	32	260	33	10	325	28	62	57	0	147	17	234	9	3	260	13	891	904
Total	205	263	152	0	620	146	1064	139	41	1349	92	261	223	0	576	71	893	48	17	1012	58	3557	3615
05:00 PM	67	64	51	0	182	29	298	41	12	368	32	75	51	0	158	25	235	20	9	280	21	988	1009
05:15 PM	67	67	46	0	180	21	386	33	9	440	13	76	54	0	143	19	251	5	2	275	11	1038	1049
05:30 PM	57	52	42	0	151	21	296	31	8	348	18	73	48	0	139	32	243	9	5	284	13	922	935
05:45 PM	59	34	27	0	120	25	359	34	3	418	18	45	48	0	111	19	215	9	2	243	5	892	897
Total	250	217	166	0	633	96	1339	139	32	1574	81	269	201	0	551	95	944	43	18	1082	50	3840	3890
Grand Total	455	480	318	0	1253	242	2403	278	73	2923	173	530	424	0	1127	166	1837	91	35	2094	108	7397	7505
Apprch %	36.3	38.3	25.4			8.3	82.2	9.5			15.4	47	37.6			7.9	87.7	4.3					
Total %	6.2	6.5	4.3		16.9	3.3	32.5	3.8		39.5	2.3	7.2	5.7		15.2	2.2	24.8	1.2		28.3	1.4	98.6	
Passenger Vehicles	449	463	313		1225	231	2359	263		2924	169	512	405		1086	159	1814	87		2094	0	0	7329
% Passenger Vehicles	98.7	96.5	98.4	0	97.8	95.5	98.2	94.6	97.3	97.6	97.7	96.6	95.5	0	96.4	95.8	98.7	95.6	97.1	98.4	0	0	97.7
Large 2 Axle Vehicles	4	15	3		22	8	34	9		53	4	14	17		35	4	19	3		27	0	0	137
% Large 2 Axle Vehicles	0.9	3.1	0.9	0	1.8	3.3	1.4	3.2	2.7	1.8	2.3	2.6	4	0	3.1	2.4	1	3.3	2.9	1.3	0	0	1.8
3 Axle Vehicles	1	2	0		3	2	2	2		6	0	2	1		3	1	2	0		3	0	0	15
% 3 Axle Vehicles	0.2	0.4	0	0	0.2	0.8	0.1	0.7	0	0.2	0	0.4	0.2	0	0.3	0.6	0.1	0	0	0.1	0	0	0.2
4+ Axle Trucks	1	0	2		3	1	8	4		13	0	2	1		3	2	2	1		5	0	0	24
% 4+ Axle Trucks	0.2	0	0.6	0	0.2	0.4	0.3	1.4	0	0.4	0	0.4	0.2	0	0.3	1.2	0.1	1.1	0	0.2	0	0	0.3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	67	64	51	182	29	298	41	368	32	75	51	158	25	235	20	280	988
05:15 PM	67	67	46	180	21	386	33	440	13	76	54	143	19	251	5	275	1038
05:30 PM	57	52	42	151	21	296	31	348	18	73	48	139	32	243	9	284	922
05:45 PM	59	34	27	120	25	359	34	418	18	45	48	111	19	215	9	243	892
Total Volume	250	217	166	633	96	1339	139	1574	81	269	201	551	95	944	43	1082	3840
% App. Total	39.5	34.3	26.2		6.1	85.1	8.8		14.7	48.8	36.5		8.8	87.2	4		
PHF	.933	.810	.814	.870	.828	.867	.848	.894	.633	.885	.931	.872	.742	.940	.538	.952	.925

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
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 Start Date : 8/31/2022
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Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				05:00 PM				04:45 PM				04:45 PM				
+0 mins.	47	69	43	159	29	298	41	368	28	62	57	147	17	234	9	260	
+15 mins.	52	67	40	159	21	386	33	440	32	75	51	158	25	235	20	280	
+30 mins.	67	64	51	182	21	296	31	348	13	76	54	143	19	251	5	275	
+45 mins.	67	67	46	180	25	359	34	418	18	73	48	139	32	243	9	284	
Total Volume	233	267	180	680	96	1339	139	1574	91	286	210	587	93	963	43	1099	
% App. Total	34.3	39.3	26.5		6.1	85.1	8.8		15.5	48.7	35.8		8.5	87.6	3.9		
PHF	.869	.967	.882	.934	.828	.867	.848	.894	.711	.941	.921	.929	.727	.959	.538	.967	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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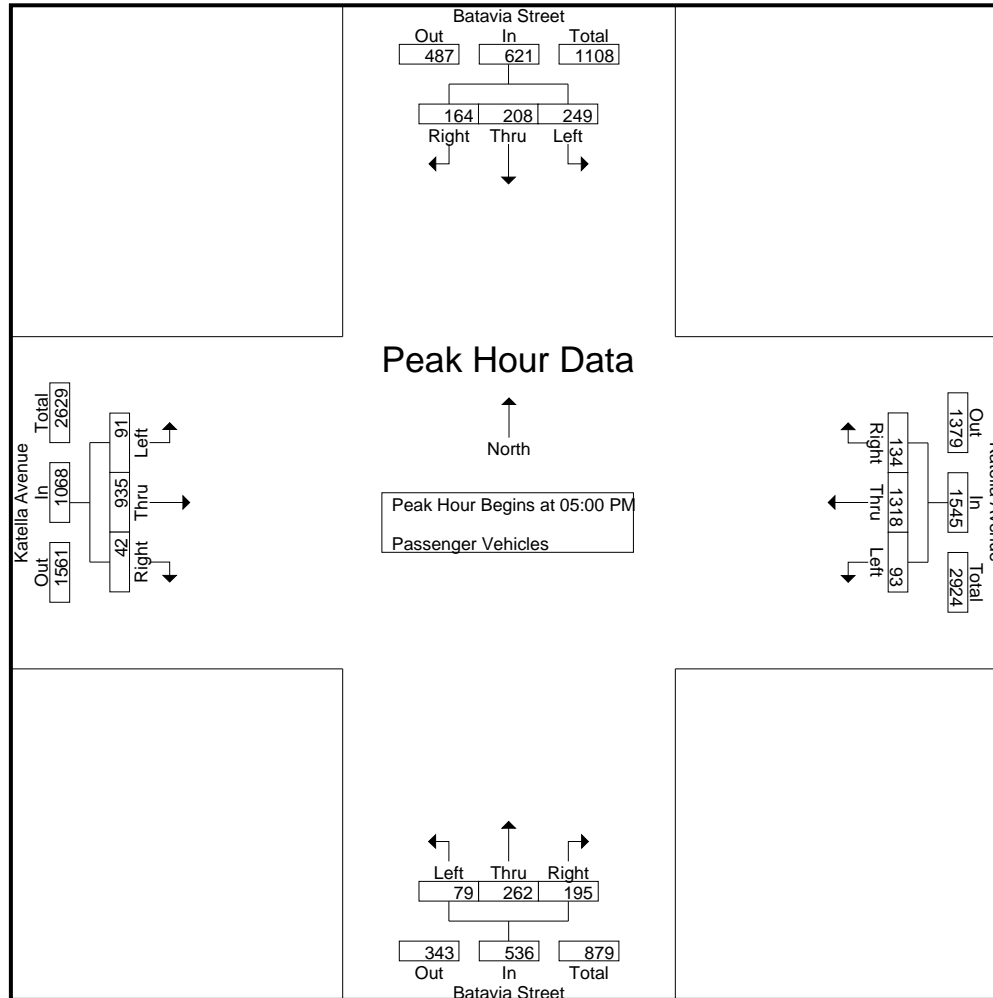
Groups Printed- Passenger Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	53	64	39	0	156	47	272	32	7	351	19	75	59	0	153	16	198	11	4	225	11	885	896
04:15 PM	49	59	28	0	136	31	226	27	10	284	14	60	53	0	127	25	224	12	4	261	14	808	822
04:30 PM	46	66	42	0	154	29	287	38	13	354	29	55	44	0	128	11	226	13	5	250	18	886	904
04:45 PM	52	66	40	0	158	31	256	32	10	319	28	60	54	0	142	16	231	9	3	256	13	875	888
Total	200	255	149	0	604	138	1041	129	40	1308	90	250	210	0	550	68	879	45	16	992	56	3454	3510
05:00 PM	67	62	50	0	179	28	295	40	12	363	32	73	49	0	154	25	233	20	9	278	21	974	995
05:15 PM	67	61	46	0	174	20	378	32	9	430	13	76	53	0	142	18	250	5	2	273	11	1019	1030
05:30 PM	56	51	42	0	149	20	290	30	7	340	17	69	45	0	131	30	238	8	5	276	12	896	908
05:45 PM	59	34	26	0	119	25	355	32	3	412	17	44	48	0	109	18	214	9	2	241	5	881	886
Total	249	208	164	0	621	93	1318	134	31	1545	79	262	195	0	536	91	935	42	18	1068	49	3770	3819
Grand Total	449	463	313	0	1225	231	2359	263	71	2853	169	512	405	0	1086	159	1814	87	34	2060	105	7224	7329
Apprch %	36.7	37.8	25.6			8.1	82.7	9.2			15.6	47.1	37.3			7.7	88.1	4.2					
Total %	6.2	6.4	4.3		17	3.2	32.7	3.6		39.5	2.3	7.1	5.6		15	2.2	25.1	1.2		28.5	1.4	98.6	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	67	62	50	179	28	295	40	363	32	73	49	154	25	233	20	278	974
05:15 PM	67	61	46	174	20	378	32	430	13	76	53	142	18	250	5	273	1019
05:30 PM	56	51	42	149	20	290	30	340	17	69	45	131	30	238	8	276	896
05:45 PM	59	34	26	119	25	355	32	412	17	44	48	109	18	214	9	241	881
Total Volume	249	208	164	621	93	1318	134	1545	79	262	195	536	91	935	42	1068	3770
% App. Total	40.1	33.5	26.4		6	85.3	8.7		14.7	48.9	36.4		8.5	87.5	3.9		
PHF	.929	.839	.820	.867	.830	.872	.838	.898	.617	.862	.920	.870	.758	.935	.525	.960	.925

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
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Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	67	62	50	179	28	295	40	363	32	73	49	154	25	233	20	278	
+15 mins.	67	61	46	174	20	378	32	430	13	76	53	142	18	250	5	273	
+30 mins.	56	51	42	149	20	290	30	340	17	69	45	131	30	238	8	276	
+45 mins.	59	34	26	119	25	355	32	412	17	44	48	109	18	214	9	241	
Total Volume	249	208	164	621	93	1318	134	1545	79	262	195	536	91	935	42	1068	
% App. Total	40.1	33.5	26.4		6	85.3	8.7		14.7	48.9	36.4		8.5	87.5	3.9		
PHF	.929	.839	.820	.867	.830	.872	.838	.898	.617	.862	.920	.870	.758	.935	.525	.960	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
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 Page No : 1

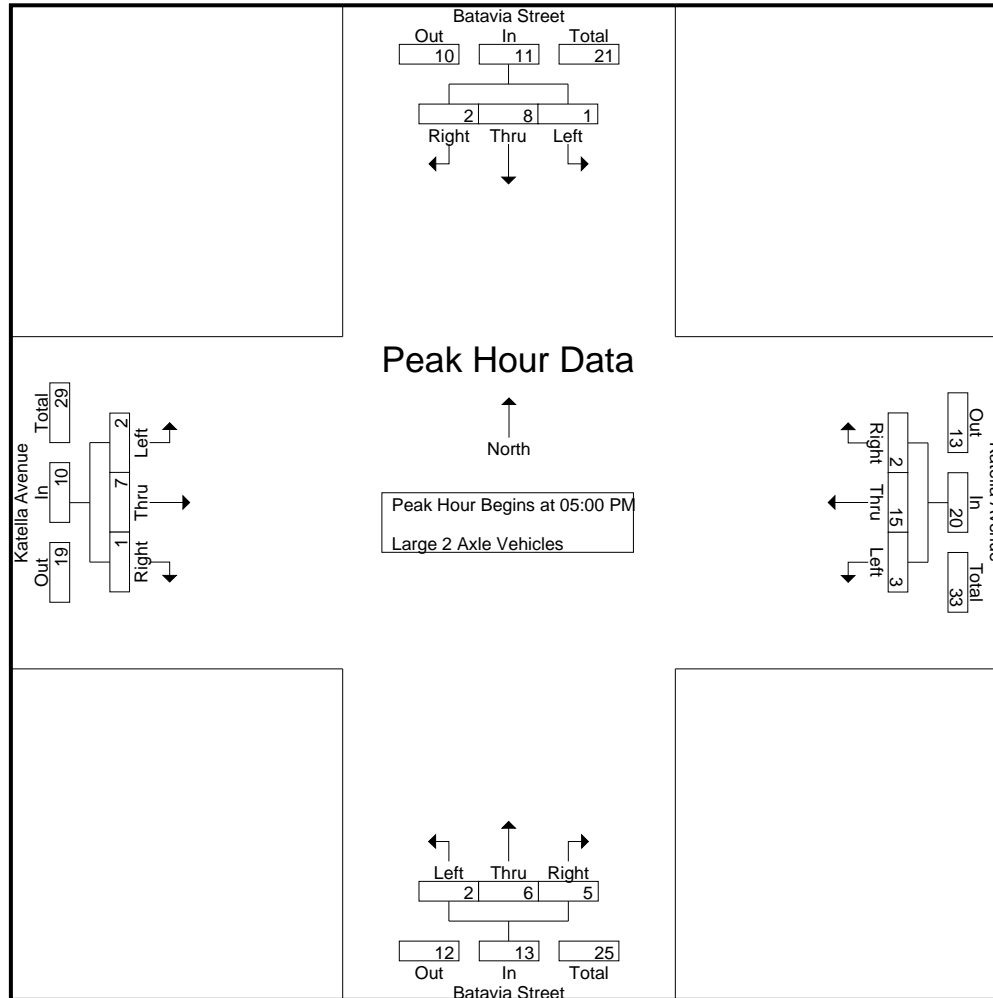
Groups Printed- Large 2 Axle Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	2	1	0	0	3	1	7	3	0	11	1	3	1	0	5	0	7	1	1	8	1	27	28
04:15 PM	1	2	1	0	4	2	1	3	1	6	1	2	5	0	8	0	2	1	0	3	1	21	22
04:30 PM	0	3	0	0	3	1	8	0	0	9	0	1	4	0	5	1	0	0	0	1	0	18	18
04:45 PM	0	1	0	0	1	1	3	1	0	5	0	2	2	0	4	1	3	0	0	4	0	14	14
Total	3	7	1	0	11	5	19	7	1	31	2	8	12	0	22	2	12	2	1	16	2	80	82
05:00 PM	0	1	1	0	2	1	1	1	0	3	0	2	2	0	4	0	2	0	0	2	0	11	11
05:15 PM	0	6	0	0	6	1	7	0	0	8	0	0	1	0	1	1	0	0	0	1	0	16	16
05:30 PM	1	1	0	0	2	1	4	1	1	6	1	3	2	0	6	1	5	1	0	7	1	21	22
05:45 PM	0	0	1	0	1	0	3	0	0	3	1	1	0	0	2	0	0	0	0	0	0	6	6
Total	1	8	2	0	11	3	15	2	1	20	2	6	5	0	13	2	7	1	0	10	1	54	55
Grand Total	4	15	3	0	22	8	34	9	2	51	4	14	17	0	35	4	19	3	1	26	3	134	137
Apprch %	18.2	68.2	13.6			15.7	66.7	17.6			11.4	40	48.6			15.4	73.1	11.5					
Total %	3	11.2	2.2		16.4	6	25.4	6.7		38.1	3	10.4	12.7		26.1	3	14.2	2.2		19.4	2.2	97.8	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	1	1	2	1	1	1	3	0	2	2	4	0	2	0	2	11
05:15 PM	0	6	0	6	1	7	0	8	0	0	1	1	1	0	0	1	16
05:30 PM	1	1	0	2	1	4	1	6	1	3	2	6	1	5	1	7	21
05:45 PM	0	0	1	1	0	3	0	3	1	1	0	2	0	0	0	0	6
Total Volume	1	8	2	11	3	15	2	20	2	6	5	13	2	7	1	10	54
% App. Total	9.1	72.7	18.2		15	75	10		15.4	46.2	38.5		20	70	10		
PHF	.250	.333	.500	.458	.750	.536	.500	.625	.500	.500	.625	.542	.500	.350	.250	.357	.643

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
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 Page No : 3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	1	1	2	1	1	1	3	0	2	2	4	0	2	0	2	
+15 mins.	0	6	0	6	1	7	0	8	0	0	1	1	1	0	0	1	
+30 mins.	1	1	0	2	1	4	1	6	1	3	2	6	1	5	1	7	
+45 mins.	0	0	1	1	0	3	0	3	1	1	0	2	0	0	0	0	
Total Volume	1	8	2	11	3	15	2	20	2	6	5	13	2	7	1	10	
% App. Total	9.1	72.7	18.2		15	75	10		15.4	46.2	38.5		20	70	10		
PHF	.250	.333	.500	.458	.750	.536	.500	.625	.500	.500	.625	.542	.500	.350	.250	.357	

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

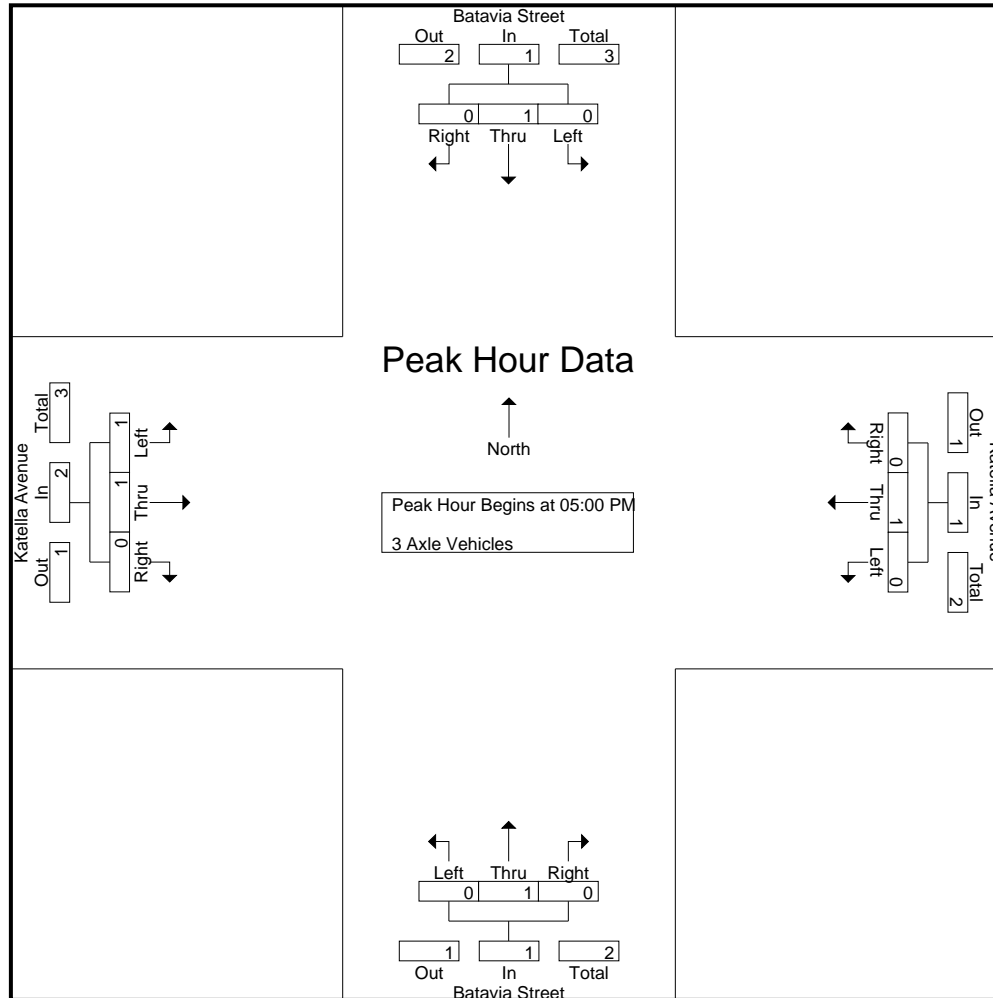
Groups Printed- 3 Axle Vehicles

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	0	0	0	0	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
04:15 PM	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2
04:30 PM	1	0	0	0	1	1	0	0	0	1	0	1	0	0	1	0	1	0	0	1	0	0	4	4
04:45 PM	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	2
Total	1	1	0	0	2	2	1	2	0	5	0	1	1	0	2	0	1	0	0	1	0	0	10	10
05:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	2	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1
Total	0	1	0	0	1	0	1	0	0	1	0	1	0	0	1	1	1	0	0	2	0	0	5	5
Grand Total	1	2	0	0	3	2	2	2	0	6	0	2	1	0	3	1	2	0	0	3	0	0	15	15
Apprch %	33.3	66.7	0			33.3	33.3	33.3			0	66.7	33.3			33.3	66.7	0			0	0		
Total %	6.7	13.3	0		20	13.3	13.3	13.3		40	0	13.3	6.7		20	6.7	13.3	0		20	0	0	100	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total					
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:15 PM	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0	0	0	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	1
Total Volume	0	1	0	1	0	1	0	1	0	1	0	1	1	1	0	2	0	0	0	0	5
% App. Total	0	100	0		0	100	0		0	100	0		33.3	33.3	0		33.3	33.3	0		
PHF	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.250	.250	.000	.500	.000	.000	.000	.000	.625

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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

Peak Hour for Each Approach Begins at:

	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Total Volume	0	1	0	1	0	1	0	1	0	1	0	1	1	1	0	0	2
% App. Total	0	100	0		0	100	0		0	100	0		50	50	0		
PHF	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.000	.250	.250	.250	.000		.500

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

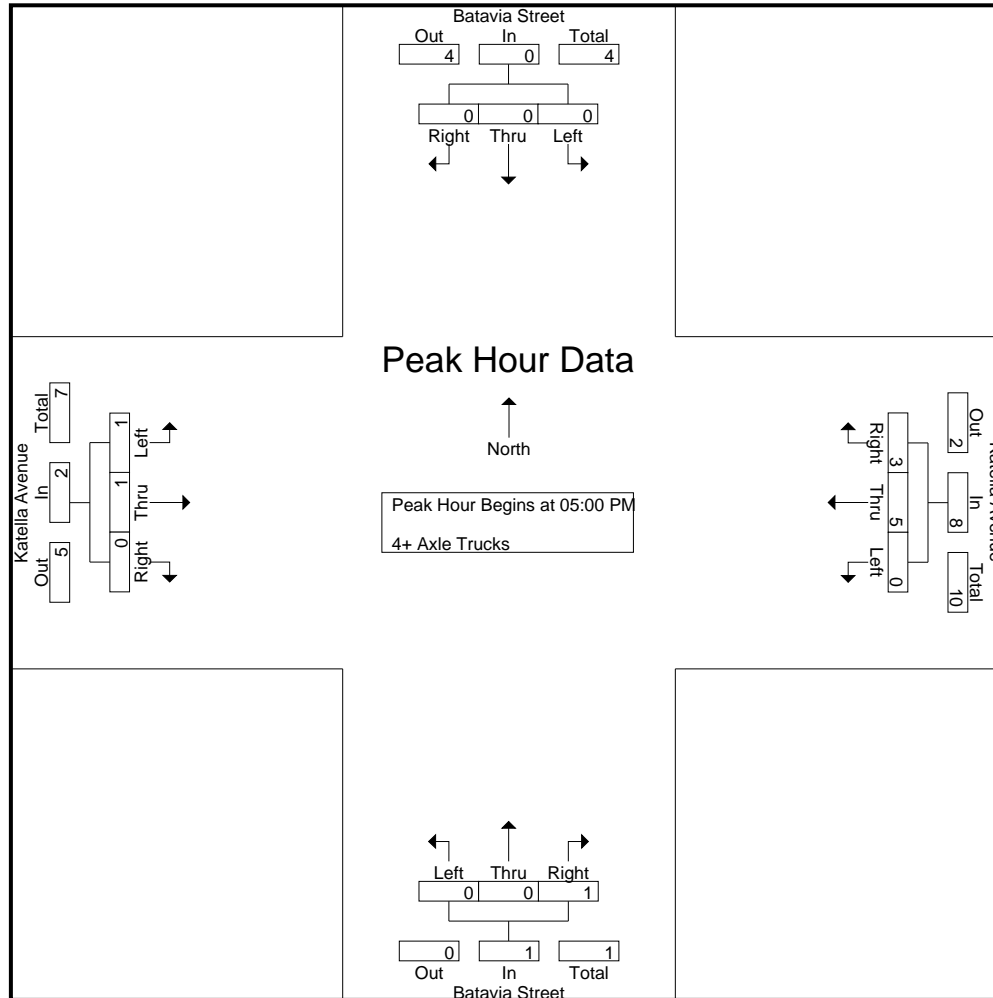
Groups Printed- 4+ Axle Trucks

Start Time	Batavia Street Southbound					Katella Avenue Westbound					Batavia Street Northbound					Katella Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	1	0	1	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	4	4
04:15 PM	0	0	0	0	0	1	0	1	0	2	0	1	0	0	1	0	0	1	0	1	0	0	4	4
04:30 PM	0	0	1	0	1	0	2	0	0	2	0	1	0	0	1	0	1	0	0	1	0	0	5	5
04:45 PM	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	1	0	2	0	3	1	3	1	0	5	0	2	0	0	2	1	1	1	0	3	0	0	13	13
05:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	2
05:15 PM	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	2	2
05:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	3	3
05:45 PM	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	1	0	0	0	1	0	0	4	4
Total	0	0	0	0	0	0	5	3	0	8	0	0	1	0	1	1	1	0	0	2	0	0	11	11
Grand Total	1	0	2	0	3	1	8	4	0	13	0	2	1	0	3	2	2	1	0	5	0	0	24	24
Apprch %	33.3	0	66.7			7.7	61.5	30.8			0	66.7	33.3			40	40	20						
Total %	4.2	0	8.3		12.5	4.2	33.3	16.7		54.2	0	8.3	4.2		12.5	8.3	8.3	4.2		20.8	0	0	100	

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2
05:15 PM	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	2
05:30 PM	0	0	0	0	0	2	0	2	0	0	1	1	0	0	0	0	3
05:45 PM	0	0	0	0	0	1	2	3	0	0	0	0	1	0	0	1	4
Total Volume	0	0	0	0	0	5	3	8	0	0	1	1	1	1	0	2	11
% App. Total	0	0	0	0	0	62.5	37.5	100	0	0	100		50	50	0		
PHF	.000	.000	.000	.000	.000	.625	.375	.667	.000	.000	.250	.250	.250	.250	.000	.500	.688

City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Batavia Street
 E/W: Katella Avenue
 Weather: Clear

File Name : 06_ORN_Bat_Kat PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Katella Avenue Westbound				Batavia Street Northbound				Katella Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 05:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Each Approach Begins at:																	
	05:00 PM				05:00 PM				05:00 PM				05:00 PM				
+0 mins.	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	
+15 mins.	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	
+30 mins.	0	0	0	0	0	2	0	2	0	0	1	1	0	0	0	0	
+45 mins.	0	0	0	0	0	1	2	3	0	0	0	0	1	0	0	1	
Total Volume	0	0	0	0	0	5	3	8	0	0	1	1	1	1	0	2	
% App. Total	0	0	0	0	0	62.5	37.5		0	0	100		50	50	0		
PHF	.000	.000	.000	.000	.000	.625	.375	.667	.000	.000	.250	.250	.250	.250	.000	.500	

Location: Orange
 N/S: Batavia Street
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg Batavia Street	East Leg Katella Avenue	South Leg Batavia Street	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
7:00 AM	1	2	0	0	3
7:15 AM	3	6	0	0	9
7:30 AM	0	0	0	0	0
7:45 AM	2	0	0	1	3
8:00 AM	0	3	1	0	4
8:15 AM	1	1	0	0	2
8:30 AM	0	1	0	0	1
8:45 AM	1	2	0	0	3
TOTAL VOLUMES:	8	15	1	1	25

	North Leg Batavia Street	East Leg Katella Avenue	South Leg Batavia Street	West Leg Katella Avenue	
	Pedestrians	Pedestrians	Pedestrians	Pedestrians	
4:00 PM	1	0	0	0	1
4:15 PM	0	2	2	0	4
4:30 PM	1	0	0	0	1
4:45 PM	1	2	1	0	4
5:00 PM	1	3	1	1	6
5:15 PM	1	1	0	0	2
5:30 PM	0	1	0	0	1
5:45 PM	1	0	0	0	1
TOTAL VOLUMES:	6	9	4	1	20

Location: Orange
 N/S: Batavia Street
 E/W: Katella Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound Batavia Street			Westbound Katella Avenue			Northbound Batavia Street			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	2	0	0	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
7:45 AM	0	0	0	0	1	0	1	0	0	0	0	0	2
8:00 AM	0	0	0	0	0	0	0	0	0	0	1	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	1	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	1	0	0	3	0	0	0	0	4
TOTAL VOLUMES:	0	0	0	0	5	0	2	3	0	0	1	0	11

	Southbound Batavia Street			Westbound Katella Avenue			Northbound Batavia Street			Eastbound Katella Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	1	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	0	1	0	0	1	0	0	0	0	2
5:15 PM	0	0	0	0	1	0	0	1	0	0	0	0	2
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	0	0	0	3	0	1	2	0	0	0	0	6

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

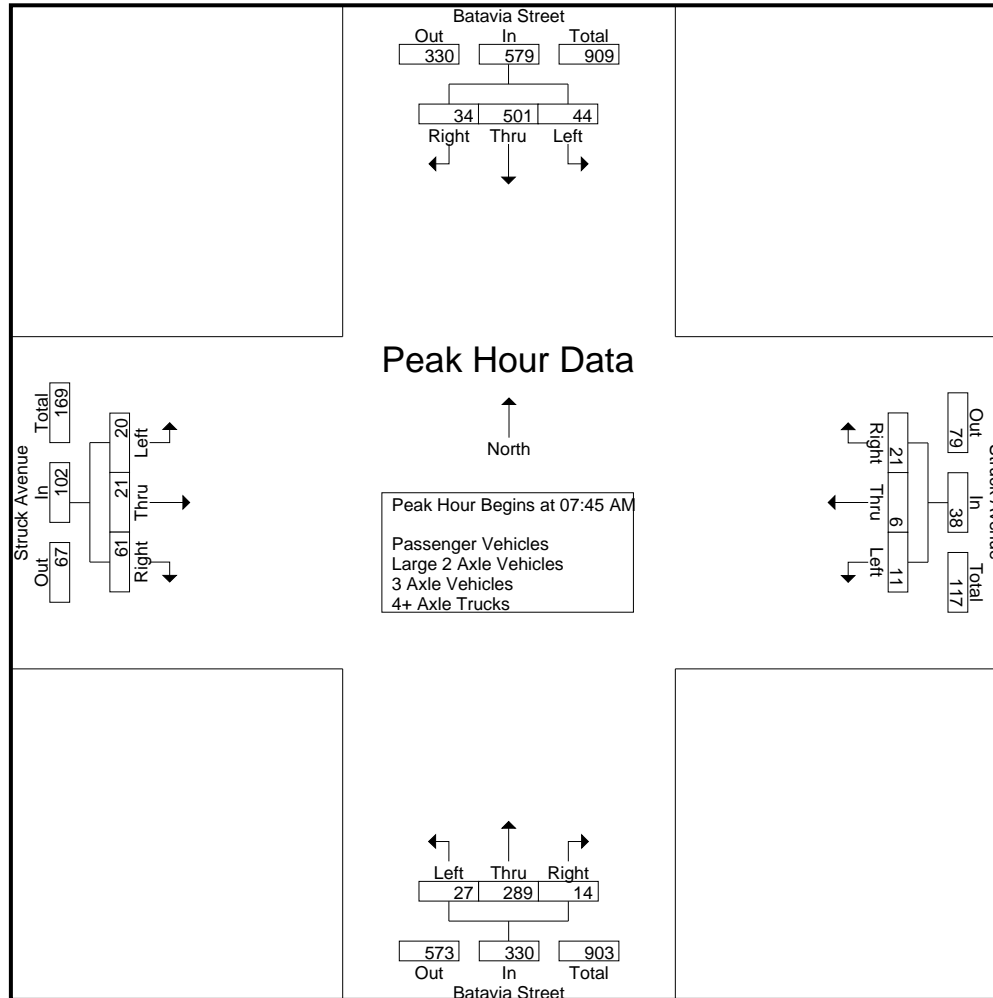
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	7	92	6	2	105	3	3	3	2	9	2	60	1	0	63	10	1	7	7	18	11	195	206
07:15 AM	7	89	8	0	104	2	0	3	2	5	2	64	2	0	68	2	1	7	3	10	5	187	192
07:30 AM	13	120	17	1	150	1	1	1	1	3	5	58	2	1	65	5	6	13	6	24	9	242	251
07:45 AM	7	151	7	0	165	3	2	7	7	12	10	72	2	0	84	6	2	17	8	25	15	286	301
Total	34	452	38	3	524	9	6	14	12	29	19	254	7	1	280	23	10	44	24	77	40	910	950
08:00 AM	11	141	12	1	164	1	0	1	0	2	6	72	3	0	81	1	6	15	10	22	11	269	280
08:15 AM	9	106	5	1	120	3	2	6	4	11	7	73	4	2	84	5	5	16	11	26	18	241	259
08:30 AM	17	103	10	1	130	4	2	7	3	13	4	72	5	0	81	8	8	13	9	29	13	253	266
08:45 AM	11	94	3	0	108	5	3	8	6	16	2	54	2	1	58	5	10	11	7	26	14	208	222
Total	48	444	30	3	522	13	7	22	13	42	19	271	14	3	304	19	29	55	37	103	56	971	1027
Grand Total	82	896	68	6	1046	22	13	36	25	71	38	525	21	4	584	42	39	99	61	180	96	1881	1977
Apprch %	7.8	85.7	6.5			31	18.3	50.7			6.5	89.9	3.6			23.3	21.7	55					
Total %	4.4	47.6	3.6		55.6	1.2	0.7	1.9		3.8	2	27.9	1.1		31	2.2	2.1	5.3		9.6	4.9	95.1	
Passenger Vehicles	79	821	64		970	19	11	32		84	37	450	18		509	35	37	95		224	0	0	1787
% Passenger Vehicles	96.3	91.6	94.1	100	92.2	86.4	84.6	88.9	88	87.5	97.4	85.7	85.7	100	86.6	83.3	94.9	96	93.4	92.9	0	0	90.4
Large 2 Axle Vehicles	3	57	3		63	3	2	4		12	1	60	2		63	7	2	4		17	0	0	155
% Large 2 Axle Vehicles	3.7	6.4	4.4	0	6	13.6	15.4	11.1	12	12.5	2.6	11.4	9.5	0	10.7	16.7	5.1	4	6.6	7.1	0	0	7.8
3 Axle Vehicles	0	9	1		10	0	0	0		0	0	9	1		10	0	0	0		0	0	0	20
% 3 Axle Vehicles	0	1	1.5	0	1	0	0	0	0	0	0	1.7	4.8	0	1.7	0	0	0	0	0	0	0	1
4+ Axle Trucks	0	9	0		9	0	0	0		0	0	6	0		6	0	0	0		0	0	0	15
% 4+ Axle Trucks	0	1	0	0	0.9	0	0	0	0	0	0	1.1	0	0	1	0	0	0	0	0	0	0	0.8

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	7	151	7	165	3	2	7	12	10	72	2	84	6	2	17	25	286
08:00 AM	11	141	12	164	1	0	1	2	6	72	3	81	1	6	15	22	269
08:15 AM	9	106	5	120	3	2	6	11	7	73	4	84	5	5	16	26	241
08:30 AM	17	103	10	130	4	2	7	13	4	72	5	81	8	8	13	29	253
Total Volume	44	501	34	579	11	6	21	38	27	289	14	330	20	21	61	102	1049
% App. Total	7.6	86.5	5.9		28.9	15.8	55.3		8.2	87.6	4.2		19.6	20.6	59.8		
PHF	.647	.829	.708	.877	.688	.750	.750	.731	.675	.990	.700	.982	.625	.656	.897	.879	.917

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				08:00 AM				
+0 mins.	13	120	17	150	1	0	1	2	10	72	2	84	1	6	15	22	
+15 mins.	7	151	7	165	3	2	6	11	6	72	3	81	5	5	16	26	
+30 mins.	11	141	12	164	4	2	7	13	7	73	4	84	8	8	13	29	
+45 mins.	9	106	5	120	5	3	8	16	4	72	5	81	5	10	11	26	
Total Volume	40	518	41	599	13	7	22	42	27	289	14	330	19	29	55	103	
% App. Total	6.7	86.5	6.8		31	16.7	52.4		8.2	87.6	4.2		18.4	28.2	53.4		
PHF	.769	.858	.603	.908	.650	.583	.688	.656	.675	.990	.700	.982	.594	.725	.859	.888	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

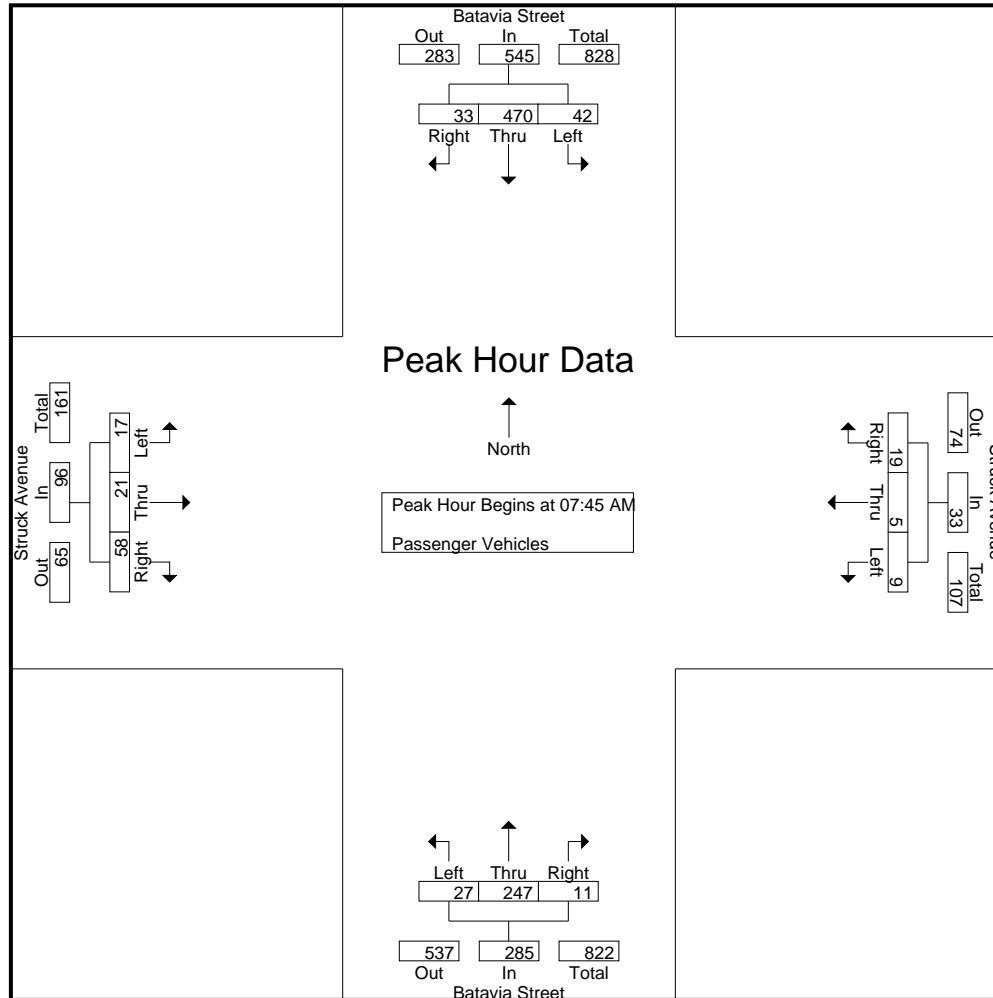
Groups Printed- Passenger Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	7	75	5	2	87	3	3	2	1	8	2	50	1	0	53	9	1	7	7	17	10	165	175
07:15 AM	6	83	8	0	97	2	0	3	2	5	2	54	2	0	58	1	1	7	3	9	5	169	174
07:30 AM	13	111	16	1	140	1	1	1	1	3	4	51	2	1	57	4	5	13	6	22	9	222	231
07:45 AM	7	147	7	0	161	3	2	6	6	11	10	63	1	0	74	6	2	17	8	25	14	271	285
Total	33	416	36	3	485	9	6	12	10	27	18	218	6	1	242	20	9	44	24	73	38	827	865
08:00 AM	11	132	12	1	155	1	0	1	0	2	6	63	3	0	72	0	6	13	8	19	9	248	257
08:15 AM	7	99	5	1	111	1	1	5	4	7	7	59	3	2	69	3	5	15	10	23	17	210	227
08:30 AM	17	92	9	1	118	4	2	7	3	13	4	62	4	0	70	8	8	13	9	29	13	230	243
08:45 AM	11	82	2	0	95	4	2	7	5	13	2	48	2	1	52	4	9	10	6	23	12	183	195
Total	46	405	28	3	479	10	5	20	12	35	19	232	12	3	263	15	28	51	33	94	51	871	922
Grand Total	79	821	64	6	964	19	11	32	22	62	37	450	18	4	505	35	37	95	57	167	89	1698	1787
Apprch %	8.2	85.2	6.6			30.6	17.7	51.6			7.3	89.1	3.6			2.1	22.2	56.9					
Total %	4.7	48.4	3.8		56.8	1.1	0.6	1.9		3.7	2.2	26.5	1.1		29.7	2.1	2.2	5.6		9.8	5	95	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	7	147	7	161	3	2	6	11	10	63	1	74	6	2	17	25	271
08:00 AM	11	132	12	155	1	0	1	2	6	63	3	72	0	6	13	19	248
08:15 AM	7	99	5	111	1	1	5	7	7	59	3	69	3	5	15	23	210
08:30 AM	17	92	9	118	4	2	7	13	4	62	4	70	8	8	13	29	230
Total Volume	42	470	33	545	9	5	19	33	27	247	11	285	17	21	58	96	959
% App. Total	7.7	86.2	6.1		27.3	15.2	57.6		9.5	86.7	3.9		17.7	21.9	60.4		
PHF	.618	.799	.688	.846	.563	.625	.679	.635	.675	.980	.688	.963	.531	.656	.853	.828	.885

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
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Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	7	147	7	161	3	2	6	11	10	63	1	74	6	2	17	25	
+15 mins.	11	132	12	155	1	0	1	2	6	63	3	72	0	6	13	19	
+30 mins.	7	99	5	111	1	1	5	7	7	59	3	69	3	5	15	23	
+45 mins.	17	92	9	118	4	2	7	13	4	62	4	70	8	8	13	29	
Total Volume	42	470	33	545	9	5	19	33	27	247	11	285	17	21	58	96	
% App. Total	7.7	86.2	6.1		27.3	15.2	57.6		9.5	86.7	3.9		17.7	21.9	60.4		
PHF	.618	.799	.688	.846	.563	.625	.679	.635	.675	.980	.688	.963	.531	.656	.853	.828	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
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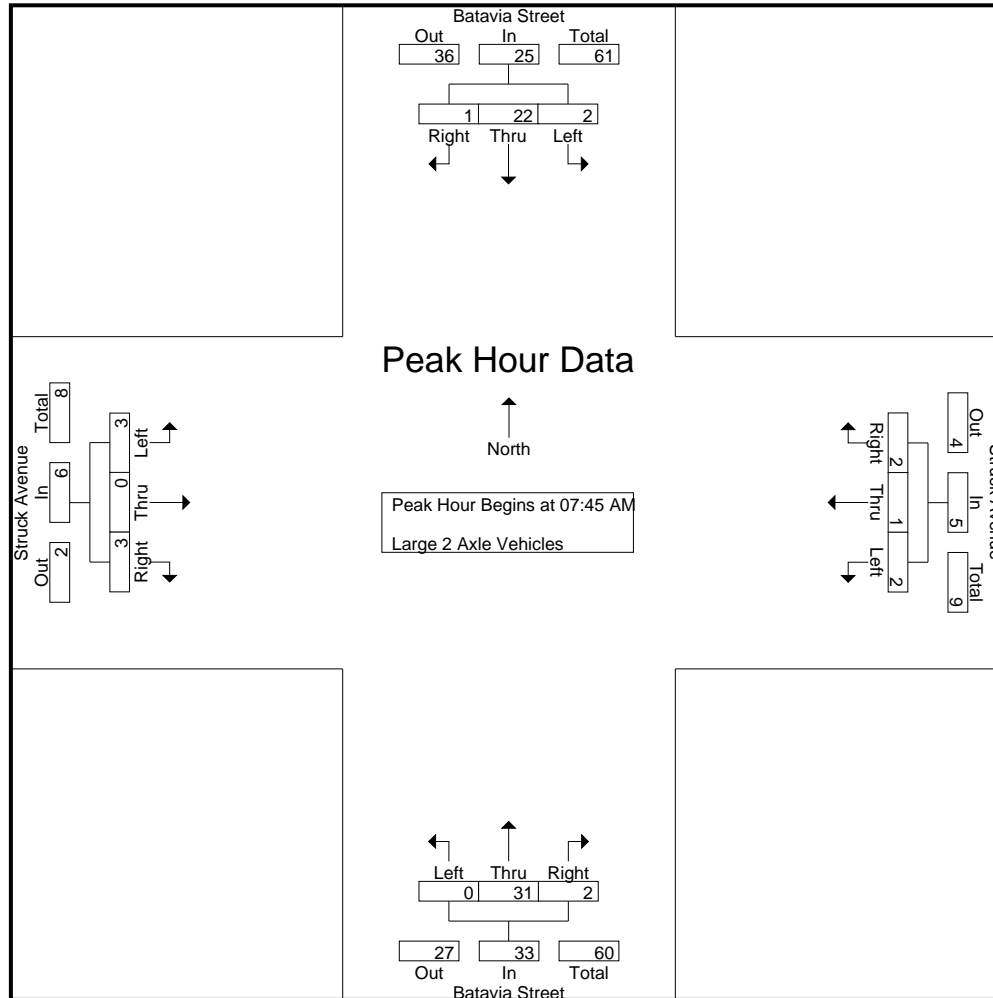
Groups Printed- Large 2 Axle Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
07:00 AM	0	12	1	0	13	0	0	1	1	1	0	9	0	0	9	1	0	0	0	1	1	24	25
07:15 AM	1	6	0	0	7	0	0	0	0	0	0	9	0	0	9	1	0	0	0	1	0	17	17
07:30 AM	0	8	1	0	9	0	0	0	0	0	1	6	0	0	7	1	1	0	0	2	0	18	18
07:45 AM	0	3	0	0	3	0	0	1	1	1	0	4	1	0	5	0	0	0	0	0	1	9	10
Total	1	29	2	0	32	0	0	2	2	2	1	28	1	0	30	3	1	0	0	4	2	68	70
08:00 AM	0	7	0	0	7	0	0	0	0	0	0	9	0	0	9	1	0	2	2	3	2	19	21
08:15 AM	2	6	0	0	8	2	1	1	0	4	0	9	0	0	9	2	0	1	1	3	1	24	25
08:30 AM	0	6	1	0	7	0	0	0	0	0	0	9	1	0	10	0	0	0	0	0	0	17	17
08:45 AM	0	9	0	0	9	1	1	1	1	3	0	5	0	0	5	1	1	1	1	3	2	20	22
Total	2	28	1	0	31	3	2	2	1	7	0	32	1	0	33	4	1	4	4	9	5	80	85
Grand Total	3	57	3	0	63	3	2	4	3	9	1	60	2	0	63	7	2	4	4	13	7	148	155
Apprch %	4.8	90.5	4.8			33.3	22.2	44.4			1.6	95.2	3.2			53.8	15.4	30.8					
Total %	2	38.5	2		42.6	2	1.4	2.7		6.1	0.7	40.5	1.4		42.6	4.7	1.4	2.7		8.8	4.5	95.5	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	3	0	3	0	0	1	1	0	4	1	5	0	0	0	0	9
08:00 AM	0	7	0	7	0	0	0	0	0	9	0	9	1	0	2	3	19
08:15 AM	2	6	0	8	2	1	1	4	0	9	0	9	2	0	1	3	24
08:30 AM	0	6	1	7	0	0	0	0	0	9	1	10	0	0	0	0	17
Total Volume	2	22	1	25	2	1	2	5	0	31	2	33	3	0	3	6	69
% App. Total	8	88	4		40	20	40		0	93.9	6.1		50	0	50		
PHF	.250	.786	.250	.781	.250	.250	.500	.313	.000	.861	.500	.825	.375	.000	.375	.500	.719

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	3	0	3	0	0	1	1	0	4	1	5	0	0	0	0	
+15 mins.	0	7	0	7	0	0	0	0	0	9	0	9	1	0	2	3	
+30 mins.	2	6	0	8	2	1	1	4	0	9	0	9	2	0	1	3	
+45 mins.	0	6	1	7	0	0	0	0	0	9	1	10	0	0	0	0	
Total Volume	2	22	1	25	2	1	2	5	0	31	2	33	3	0	3	6	
% App. Total	8	88	4		40	20	40		0	93.9	6.1		50	0	50		
PHF	.250	.786	.250	.781	.250	.250	.500	.313	.000	.861	.500	.825	.375	.000	.375	.500	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

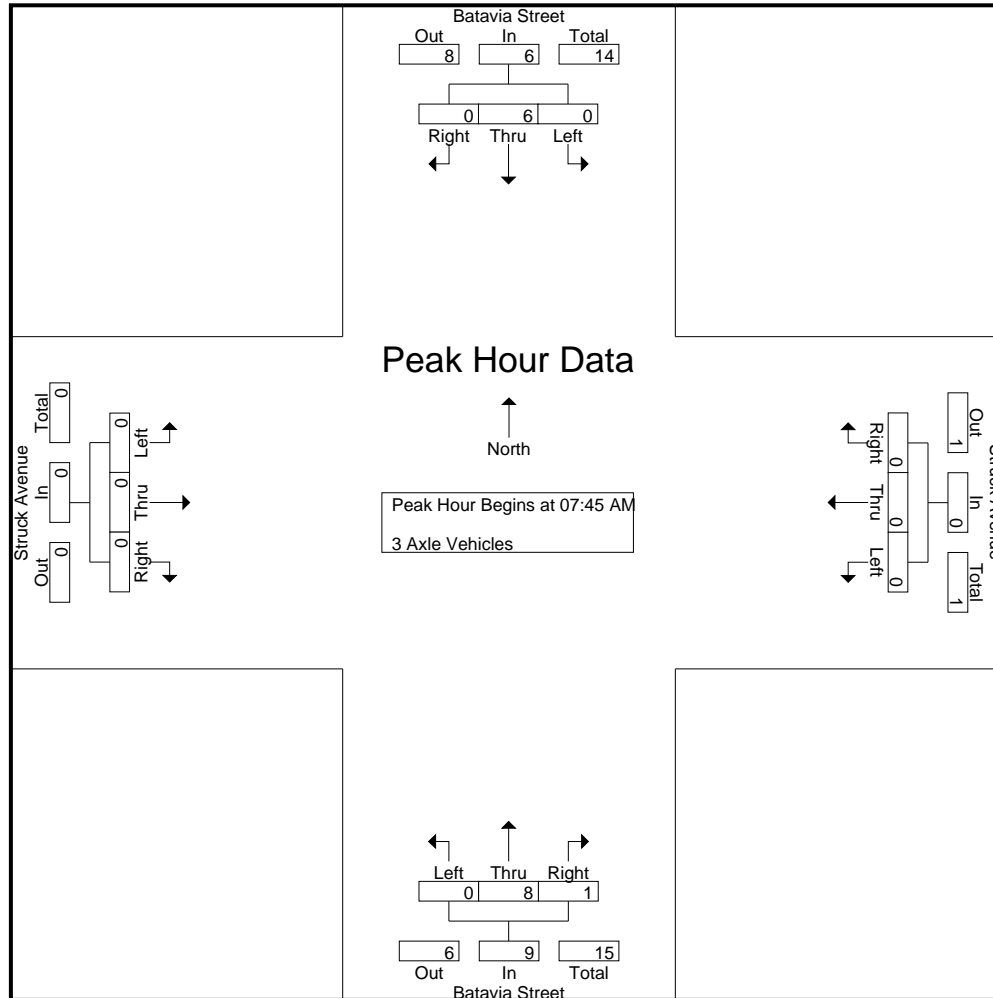
Groups Printed- 3 Axle Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
07:00 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
07:30 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5	5
Total	0	2	0	0	2	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	8	8
08:00 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
08:15 AM	0	1	0	0	1	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4	4
08:30 AM	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	4
08:45 AM	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	7	1	0	8	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	12	12
Grand Total	0	9	1	0	10	0	0	0	0	0	0	9	1	0	10	0	0	0	0	0	0	0	0	0	0	0	20	20
Apprch %	0	90	10			0	0	0			0	90	10			0	0	0			0	0	0			0		
Total %	0	45	5		50	0	0	0		0	0	45	5		50	0	0	0		0	0	0	0		0	0	100	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	0	5	0	5	0	0	0	0	5
08:00 AM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
08:15 AM	0	1	0	1	0	0	0	0	0	2	1	3	0	0	0	0	4
08:30 AM	0	3	0	3	0	0	0	0	0	1	0	1	0	0	0	0	4
Total Volume	0	6	0	6	0	0	0	0	0	8	1	9	0	0	0	0	15
% App. Total	0	100	0		0	0	0		0	88.9	11.1		0	0	0		
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.000	.400	.250	.450	.000	.000	.000	.000	.750

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
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 Start Date : 8/31/2022
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Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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				07:45 AM			
+0 mins.	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0
+15 mins.	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	1	0	1	0	0	0	0	0	2	1	3	0	0	0	0
+45 mins.	0	3	0	3	0	0	0	0	0	1	0	1	0	0	0	0
Total Volume	0	6	0	6	0	0	0	0	0	8	1	9	0	0	0	0
% App. Total	0	100	0		0	0	0		0	88.9	11.1		0	0	0	
PHF	.000	.500	.000	.500	.000	.000	.000	.000	.000	.400	.250	.450	.000	.000	.000	.000

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
 Start Date : 8/31/2022
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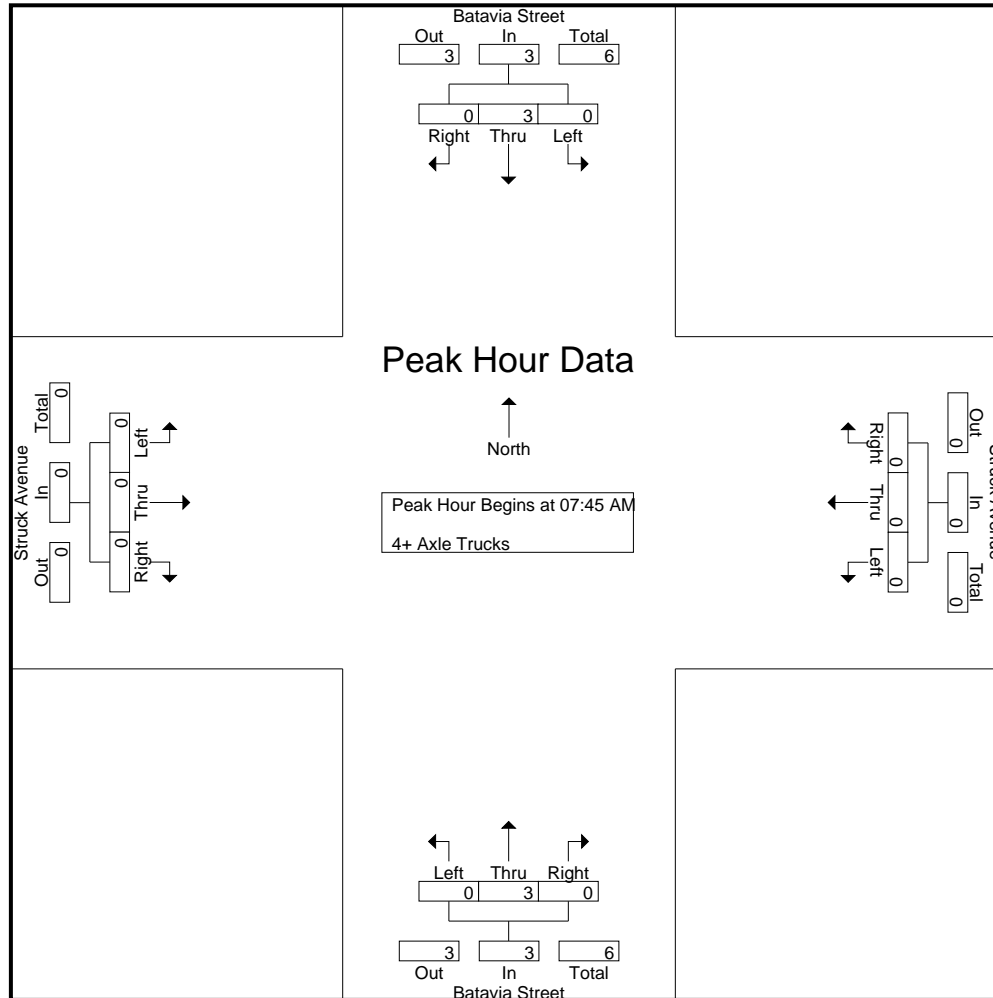
Groups Printed- 4+ Axle Trucks

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total		
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total					
07:00 AM	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	5	5
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1
07:45 AM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Total	0	5	0	0	5	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	7	7
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	3
08:30 AM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
08:45 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	3
Total	0	4	0	0	4	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	8	8
Grand Total	0	9	0	0	9	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	15	15
Apprch %	0	100	0			0	0	0			0	100	0			0	0	0							
Total %	0	60	0		60	0	0	0			0	40	0		40	0	0	0						100	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 AM	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	3
08:30 AM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	6
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.375	.000	.375	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.500

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str AM
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City of Orange
 N/S: Batavia Street
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 Weather: Clear

File Name : 07_ORN_Bat_Str AM
 Site Code : 05122754
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Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				07:45 AM				
+0 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
+30 mins.	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	
+45 mins.	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
Total Volume	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.375	.000	.375	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
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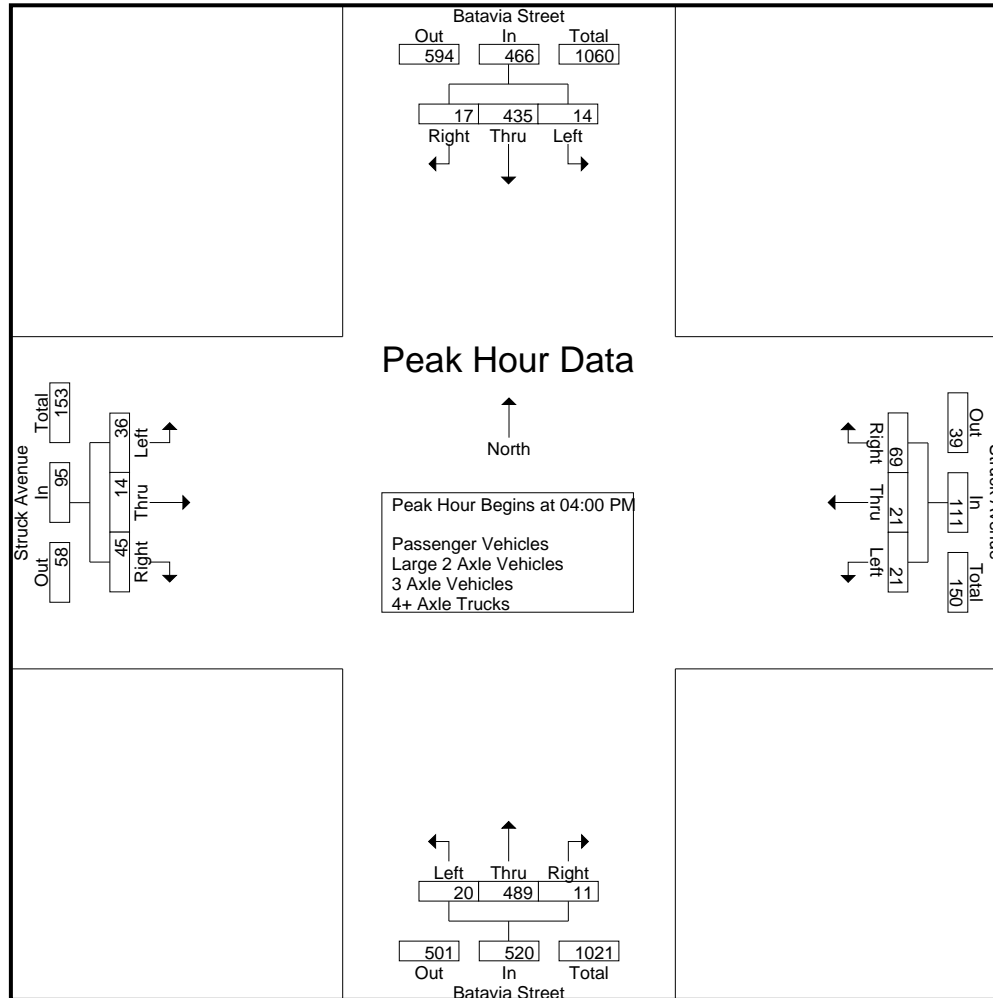
Groups Printed- Passenger Vehicles - Large 2 Axle Vehicles - 3 Axle Vehicles - 4+ Axle Trucks

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	6	115	1	0	122	15	13	28	17	56	11	115	4	0	130	10	6	12	8	28	25	336	361
04:15 PM	2	104	8	0	114	2	3	13	12	18	4	105	4	0	113	4	1	10	8	15	20	260	280
04:30 PM	2	110	3	0	115	2	3	13	10	18	1	127	2	0	130	11	3	13	9	27	19	290	309
04:45 PM	4	106	5	1	115	2	2	15	12	19	4	142	1	0	147	11	4	10	6	25	19	306	325
Total	14	435	17	1	466	21	21	69	51	111	20	489	11	0	520	36	14	45	31	95	83	1192	1275
05:00 PM	4	93	2	0	99	2	10	9	6	21	7	137	0	0	144	11	2	5	1	18	7	282	289
05:15 PM	4	86	3	1	93	4	5	11	7	20	4	128	1	0	133	12	2	5	5	19	13	265	278
05:30 PM	0	71	8	0	79	0	1	4	4	5	4	143	3	0	150	4	1	5	4	10	8	244	252
05:45 PM	4	63	5	0	72	1	1	5	5	7	3	111	2	0	116	4	3	11	9	18	14	213	227
Total	12	313	18	1	343	7	17	29	22	53	18	519	6	0	543	31	8	26	19	65	42	1004	1046
Grand Total	26	748	35	2	809	28	38	98	73	164	38	1008	17	0	1063	67	22	71	50	160	125	2196	2321
Apprch %	3.2	92.5	4.3			17.1	23.2	59.8			3.6	94.8	1.6			41.9	13.8	44.4					
Total %	1.2	34.1	1.6		36.8	1.3	1.7	4.5		7.5	1.7	45.9	0.8		48.4	3.1	1	3.2		7.3	5.4	94.6	
Passenger Vehicles	26	718	30		776	28	38	97		236	37	970	17		1024	63	21	71		205	0	0	2241
% Passenger Vehicles	100	96	85.7	100	95.7	100	100	99	100	99.6	97.4	96.2	100	0	96.3	94	95.5	100	100	97.6	0	0	96.6
Large 2 Axle Vehicles	0	24	5		29	0	0	1		1	1	31	0		32	4	1	0		5	0	0	67
% Large 2 Axle Vehicles	0	3.2	14.3	0	3.6	0	0	1	0	0.4	2.6	3.1	0	0	3	6	4.5	0	0	2.4	0	0	2.9
3 Axle Vehicles	0	4	0		4	0	0	0		0	0	3	0		3	0	0	0		0	0	0	7
% 3 Axle Vehicles	0	0.5	0	0	0.5	0	0	0	0	0	0	0.3	0	0	0.3	0	0	0	0	0	0	0	0.3
4+ Axle Trucks	0	2	0		2	0	0	0		0	0	4	0		4	0	0	0		0	0	0	6
% 4+ Axle Trucks	0	0.3	0	0	0.2	0	0	0	0	0	0	0.4	0	0	0.4	0	0	0	0	0	0	0	0.3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
04:00 PM	6	115	1	122	15	13	28	56	11	115	4	130	10	6	12	28	336
04:15 PM	2	104	8	114	2	3	13	18	4	105	4	113	4	1	10	15	260
04:30 PM	2	110	3	115	2	3	13	18	1	127	2	130	11	3	13	27	290
04:45 PM	4	106	5	115	2	2	15	19	4	142	1	147	11	4	10	25	306
Total Volume	14	435	17	466	21	21	69	111	20	489	11	520	36	14	45	95	1192
% App. Total	3	93.3	3.6		18.9	18.9	62.2		3.8	94	2.1		37.9	14.7	47.4		
PHF	.583	.946	.531	.955	.350	.404	.616	.496	.455	.861	.688	.884	.818	.583	.865	.848	.887

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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				04:00 PM				
+0 mins.	6	115	1	122	15	13	28	56	4	142	1	147	10	6	12	28	
+15 mins.	2	104	8	114	2	3	13	18	7	137	0	144	4	1	10	15	
+30 mins.	2	110	3	115	2	3	13	18	4	128	1	133	11	3	13	27	
+45 mins.	4	106	5	115	2	2	15	19	4	143	3	150	11	4	10	25	
Total Volume	14	435	17	466	21	21	69	111	19	550	5	574	36	14	45	95	
% App. Total	3	93.3	3.6		18.9	18.9	62.2		3.3	95.8	0.9		37.9	14.7	47.4		
PHF	.583	.946	.531	.955	.350	.404	.616	.496	.679	.962	.417	.957	.818	.583	.865	.848	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

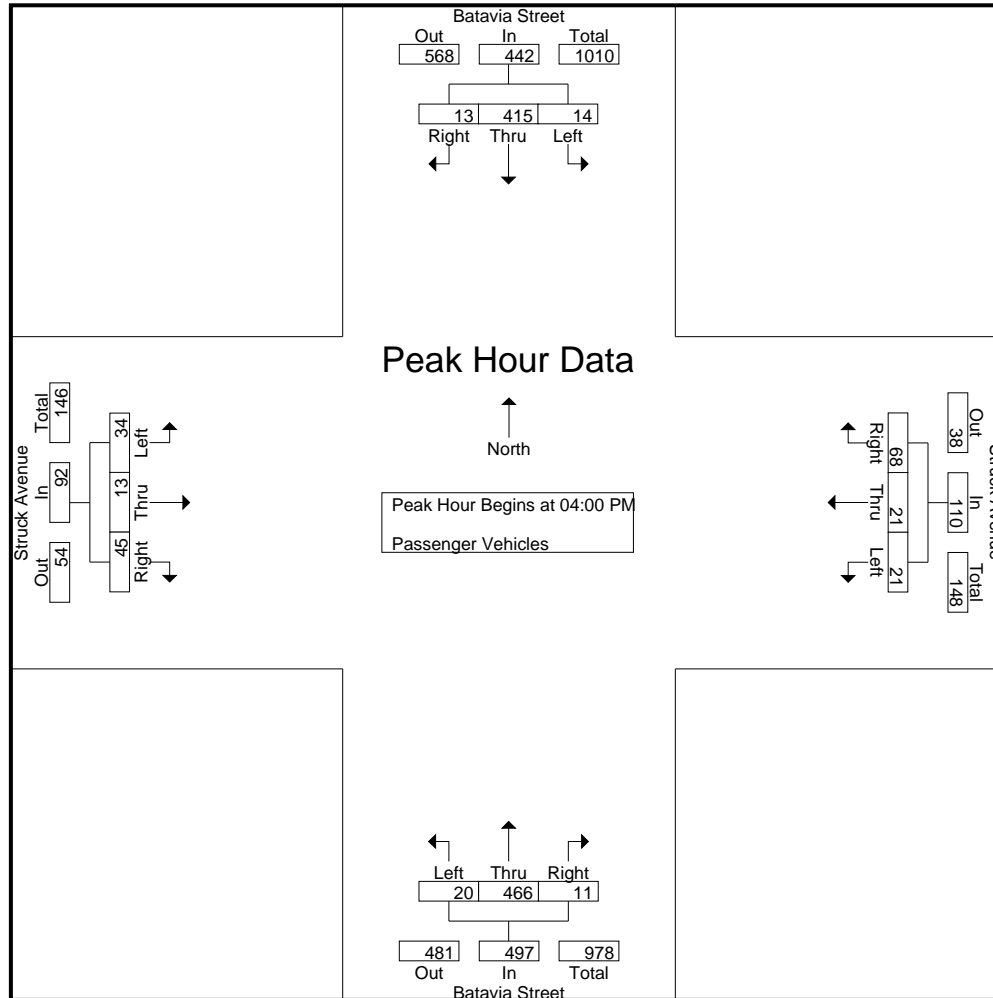
Groups Printed- Passenger Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total			
04:00 PM	6	108	1	0	115	15	13	28	17	56	11	109	4	0	124	9	6	12	8	27	25	322	347
04:15 PM	2	98	5	0	105	2	3	13	12	18	4	99	4	0	107	4	1	10	8	15	20	245	265
04:30 PM	2	105	3	0	110	2	3	12	10	17	1	120	2	0	123	10	2	13	9	25	19	275	294
04:45 PM	4	104	4	1	112	2	2	15	12	19	4	138	1	0	143	11	4	10	6	25	19	299	318
Total	14	415	13	1	442	21	21	68	51	110	20	466	11	0	497	34	13	45	31	92	83	1141	1224
05:00 PM	4	92	1	0	97	2	10	9	6	21	7	134	0	0	141	10	2	5	1	17	7	276	283
05:15 PM	4	79	3	1	86	4	5	11	7	20	3	126	1	0	130	12	2	5	5	19	13	255	268
05:30 PM	0	69	8	0	77	0	1	4	4	5	4	134	3	0	141	4	1	5	4	10	8	233	241
05:45 PM	4	63	5	0	72	1	1	5	5	7	3	110	2	0	115	3	3	11	9	17	14	211	225
Total	12	303	17	1	332	7	17	29	22	53	17	504	6	0	527	29	8	26	19	63	42	975	1017
Grand Total	26	718	30	2	774	28	38	97	73	163	37	970	17	0	1024	63	21	71	50	155	125	2116	2241
Apprch %	3.4	92.8	3.9			17.2	23.3	59.5			3.6	94.7	1.7			40.6	13.5	45.8					
Total %	1.2	33.9	1.4		36.6	1.3	1.8	4.6		7.7	1.7	45.8	0.8		48.4	3	1	3.4		7.3	5.6	94.4	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	6	108	1	115	15	13	28	56	11	109	4	124	9	6	12	27	322
04:15 PM	2	98	5	105	2	3	13	18	4	99	4	107	4	1	10	15	245
04:30 PM	2	105	3	110	2	3	12	17	1	120	2	123	10	2	13	25	275
04:45 PM	4	104	4	112	2	2	15	19	4	138	1	143	11	4	10	25	299
Total Volume	14	415	13	442	21	21	68	110	20	466	11	497	34	13	45	92	1141
% App. Total	3.2	93.9	2.9		19.1	19.1	61.8		4	93.8	2.2		37	14.1	48.9		
PHF	.583	.961	.650	.961	.350	.404	.607	.491	.455	.844	.688	.869	.773	.542	.865	.852	.886

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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.	6	108	1	115	15	13	28	56	11	109	4	124	9	6	12	27	
+15 mins.	2	98	5	105	2	3	13	18	4	99	4	107	4	1	10	15	
+30 mins.	2	105	3	110	2	3	12	17	1	120	2	123	10	2	13	25	
+45 mins.	4	104	4	112	2	2	15	19	4	138	1	143	11	4	10	25	
Total Volume	14	415	13	442	21	21	68	110	20	466	11	497	34	13	45	92	
% App. Total	3.2	93.9	2.9		19.1	19.1	61.8		4	93.8	2.2		37	14.1	48.9		
PHF	.583	.961	.650	.961	.350	.404	.607	.491	.455	.844	.688	.869	.773	.542	.865	.852	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

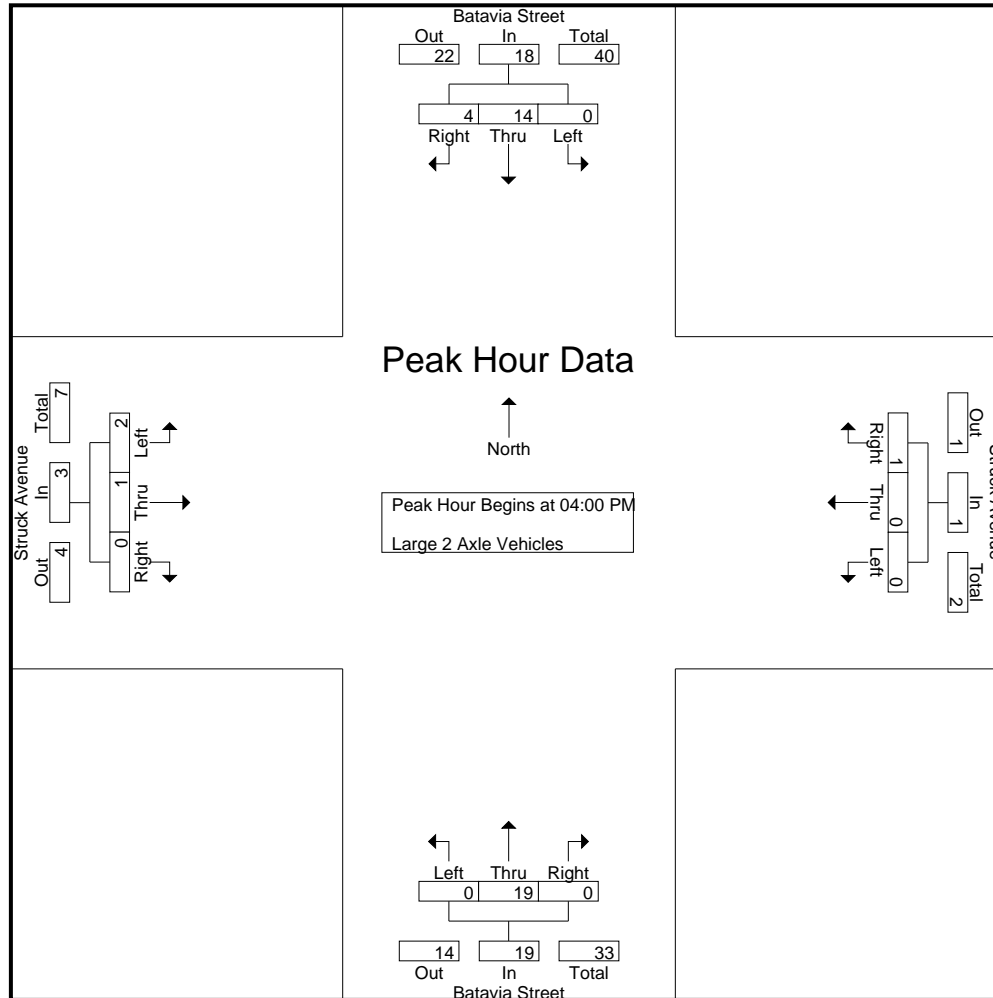
Groups Printed- Large 2 Axle Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total	
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total				
04:00 PM	0	6	0	0	6	0	0	0	0	0	0	6	0	0	6	1	0	0	0	1	0	0	13	13
04:15 PM	0	3	3	0	6	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	12	12
04:30 PM	0	4	0	0	4	0	0	1	0	1	0	4	0	0	4	1	1	0	0	2	0	0	11	11
04:45 PM	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	5	5
Total	0	14	4	0	18	0	0	1	0	1	0	19	0	0	19	2	1	0	0	3	0	0	41	41
05:00 PM	0	1	1	0	2	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	0	0	6	6
05:15 PM	0	7	0	0	7	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	9	9
05:30 PM	0	2	0	0	2	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	0	9	9
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	0	2	2
Total	0	10	1	0	11	0	0	0	0	0	1	12	0	0	13	2	0	0	0	2	0	0	26	26
Grand Total	0	24	5	0	29	0	0	1	0	1	1	31	0	0	32	4	1	0	0	5	0	0	67	67
Apprch %	0	82.8	17.2			0	0	100			3.1	96.9	0			80	20	0			0	0		
Total %	0	35.8	7.5		43.3	0	0	1.5		1.5	1.5	46.3	0		47.8	6	1.5	0		7.5	0	0	100	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	6	0	6	0	0	0	0	0	6	0	6	1	0	0	1	13
04:15 PM	0	3	3	6	0	0	0	0	0	6	0	6	0	0	0	0	12
04:30 PM	0	4	0	4	0	0	1	1	0	4	0	4	1	1	0	2	11
04:45 PM	0	1	1	2	0	0	0	0	0	3	0	3	0	0	0	0	5
Total Volume	0	14	4	18	0	0	1	1	0	19	0	19	2	1	0	3	41
% App. Total	0	77.8	22.2		0	0	100		0	100	0		66.7	33.3	0		
PHF	.000	.583	.333	.750	.000	.000	.250	.250	.000	.792	.000	.792	.500	.250	.000	.375	.788

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
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City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	6	0	6	0	0	0	0	0	6	0	6	1	0	0	1	
+15 mins.	0	3	3	6	0	0	0	0	0	6	0	6	0	0	0	0	
+30 mins.	0	4	0	4	0	0	1	1	0	4	0	4	1	1	0	2	
+45 mins.	0	1	1	2	0	0	0	0	0	3	0	3	0	0	0	0	
Total Volume	0	14	4	18	0	0	1	1	0	19	0	19	2	1	0	3	
% App. Total	0	77.8	22.2		0	0	100		0	100	0		66.7	33.3	0		
PHF	.000	.583	.333	.750	.000	.000	.250	.250	.000	.792	.000	.792	.500	.250	.000	.375	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

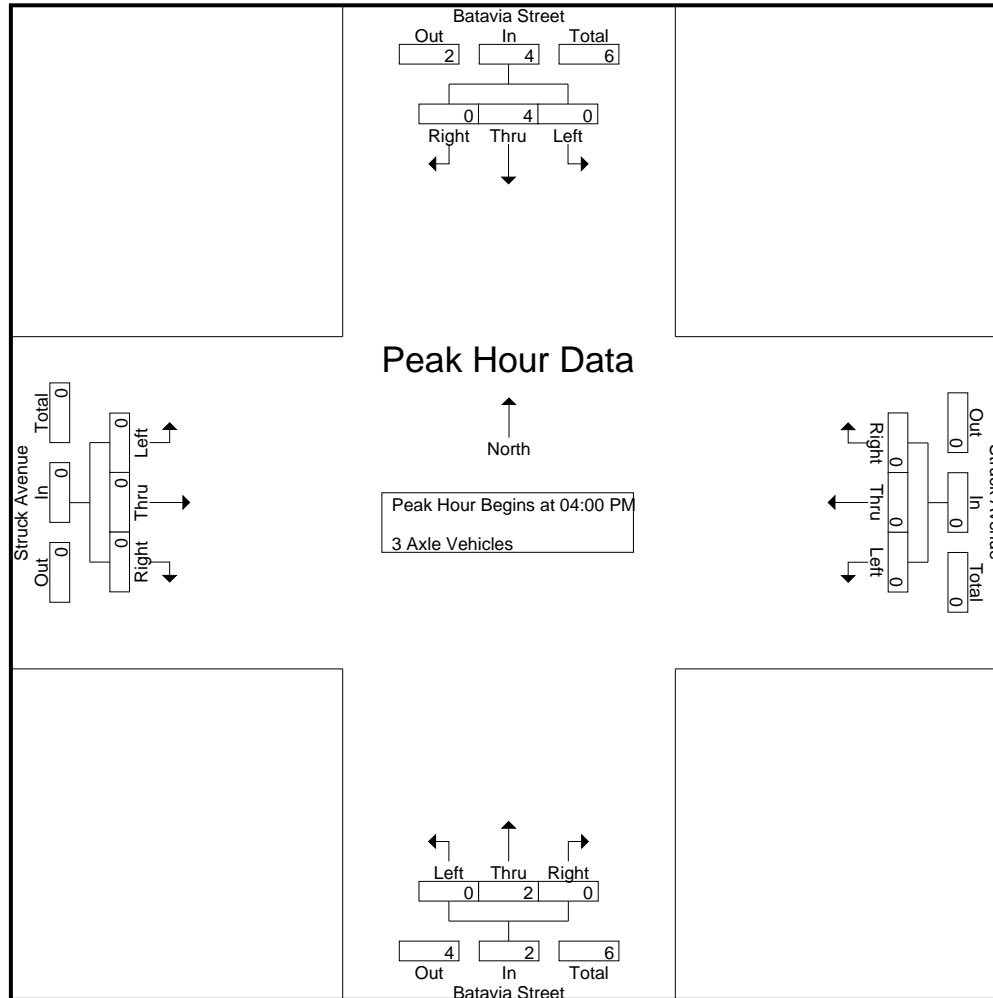
Groups Printed- 3 Axle Vehicles

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
04:00 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:15 PM	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
04:30 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
04:45 PM	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	2
Total	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	6	6
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Grand Total	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	7	7
Apprch %	0	100	0			0	0	0			0	100	0			0	0	0			0	0	0			0		
Total %	0	57.1	0		57.1	0	0	0		0	0	42.9	0		42.9	0	0	0		0	0	0	0		0	0	100	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total				
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:15 PM	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
04:45 PM	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
Total Volume	0	4	0	4	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	6
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		0	0	0		
PHF	.000	1.00	.000	1.00	.000	.000	.000	.000	.000	.500	.000	.500	.000	.000	.000	.000	.000	.000	.000	.000	.750

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
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	0	0	0	0	0	0	0	0	0	0	0	0	
+15 mins.	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
+30 mins.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	
+45 mins.	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	
Total Volume	0	4	0	4	0	0	0	0	0	2	0	2	0	0	0	0	
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	1.000	.000	1.000	.000	.000	.000	.000	.000	.500	.000	.500	.000	.000	.000	.000	

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 1

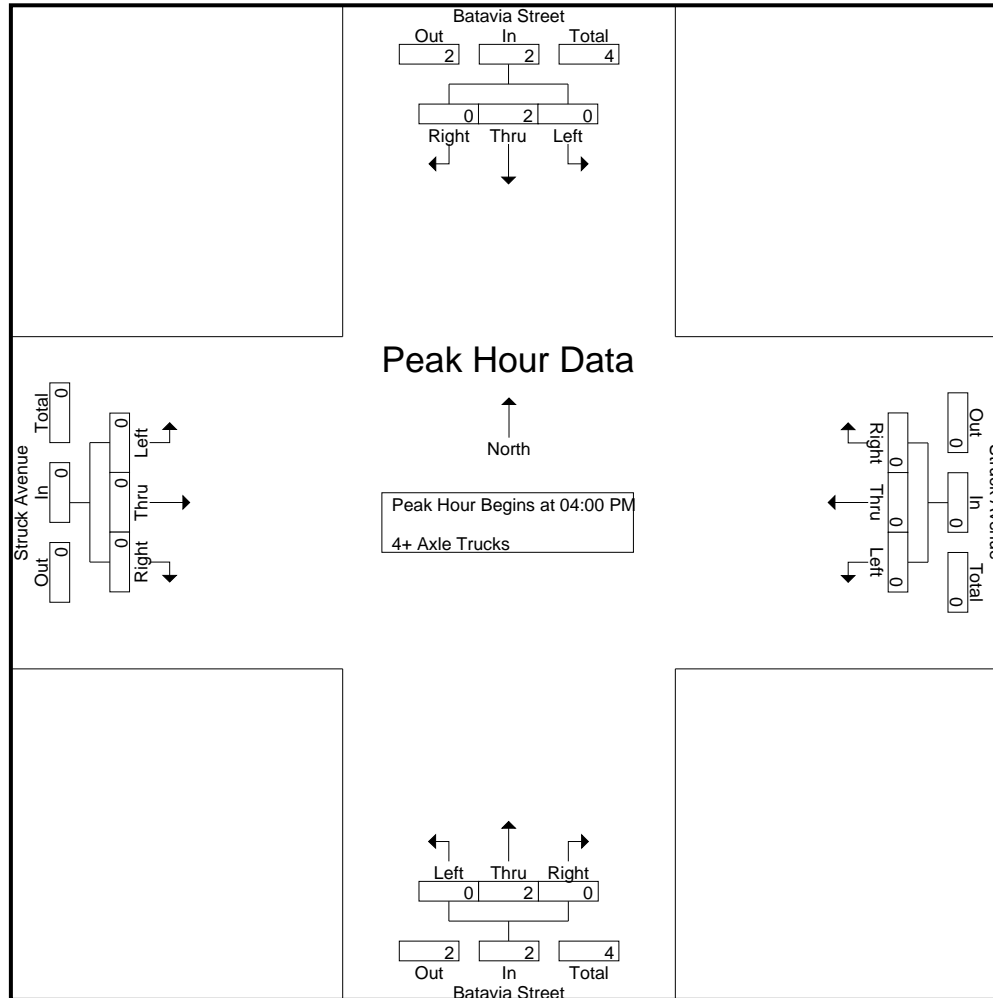
Groups Printed- 4+ Axle Trucks

Start Time	Batavia Street Southbound					Struck Avenue Westbound					Batavia Street Northbound					Struck Avenue Eastbound					Exclu. Total	Inclu. Total	Int. Total					
	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total	Left	Thru	Right	RTOR	App. Total								
04:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	4	4
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
Grand Total	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	6	6
Apprch %	0	100	0			0	0	0			0	100	0			0	0	0			0	0	0			0		
Total %	0	33.3	0		33.3	0	0	0		0	0	66.7	0		66.7	0	0	0		0	0	0	0		0	0	100	

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. 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	0	0	0	0	0	0	0	0	0	0	0	0
04:15 PM	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
04:30 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	2
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	4
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.500

City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 2



City of Orange
 N/S: Batavia Street
 E/W: Struck Avenue
 Weather: Clear

File Name : 07_ORN_Bat_Str PM
 Site Code : 05122754
 Start Date : 8/31/2022
 Page No : 3

Start Time	Batavia Street Southbound				Struck Avenue Westbound				Batavia Street Northbound				Struck Avenue Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	

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	0	0	0	0	0	0	0	0	0	0	0	0
+15 mins.	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
+30 mins.	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
+45 mins.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Volume	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
% App. Total	0	100	0		0	0	0		0	100	0		0	0	0		
PHF	.000	.250	.000	.250	.000	.000	.000	.000	.000	.250	.000	.250	.000	.000	.000	.000	.000

Location: Orange
 N/S: Batavia Street
 E/W: Struck Avenue



Date: 8/31/2022
 Day: Wednesday

PEDESTRIANS

	North Leg Batavia Street Pedestrians	East Leg Struck Avenue Pedestrians	South Leg Batavia Street Pedestrians	West Leg Struck Avenue Pedestrians	
7:00 AM	1	0	0	0	1
7:15 AM	1	1	0	0	2
7:30 AM	1	0	0	1	2
7:45 AM	1	4	0	0	5
8:00 AM	0	2	1	0	3
8:15 AM	2	1	0	0	3
8:30 AM	4	2	1	0	7
8:45 AM	1	2	0	1	4
TOTAL VOLUMES:	11	12	2	2	27

	North Leg Batavia Street Pedestrians	East Leg Struck Avenue Pedestrians	South Leg Batavia Street Pedestrians	West Leg Struck Avenue Pedestrians	
4:00 PM	1	2	0	0	3
4:15 PM	0	0	0	1	1
4:30 PM	0	1	1	0	2
4:45 PM	0	0	1	1	2
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	1	1
5:30 PM	0	1	0	0	1
5:45 PM	0	0	0	0	0
TOTAL VOLUMES:	1	4	2	3	10

Location: Orange
 N/S: Batavia Street
 E/W: Struck Avenue



Date: 8/31/2022
 Day: Wednesday

BICYCLES

	Southbound Batavia Street			Westbound Struck Avenue			Northbound Batavia Street			Eastbound Struck Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
7:00 AM	0	0	0	0	0	0	0	1	0	0	1	0	2
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	1	1	0	0	0	0	0	1	0	0	1	0	4
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	1	1	0	0	0	0	1	0	3
8:30 AM	0	1	0	0	0	0	0	1	0	0	1	0	3
8:45 AM	0	0	0	0	0	0	0	2	0	0	1	0	3
TOTAL VOLUMES:	1	2	0	0	1	2	0	5	0	0	5	0	16

	Southbound Batavia Street			Westbound Struck Avenue			Northbound Batavia Street			Eastbound Struck Avenue			
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	1	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	2	0	2
5:00 PM	0	1	0	0	0	0	0	0	0	0	1	0	2
5:15 PM	0	2	0	0	0	1	0	0	0	0	0	0	3
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES:	0	4	0	0	0	1	0	0	0	0	3	0	8

Counts Unlimited, Inc.

City of Orange
 Batavia Street
 N/ Struck Avenue
 24 Hour Directional Classification Count

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN002
 Site Code: 051-22754

Northbound

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	0	16	2	0	0	0	0	0	0	0	0	0	0	18
01:00	0	12	2	0	1	0	0	0	1	0	0	0	0	16
02:00	0	7	0	0	0	1	0	0	0	0	0	0	0	8
03:00	0	15	2	1	1	1	0	1	0	0	0	0	0	21
04:00	0	19	8	0	7	0	0	0	0	0	0	0	0	34
05:00	1	50	16	2	15	3	0	0	6	0	0	0	2	95
06:00	1	102	41	1	23	5	2	3	1	0	0	0	0	179
07:00	1	160	65	6	22	5	1	4	2	0	0	1	0	267
08:00	1	197	88	2	21	4	0	4	2	0	0	0	0	319
09:00	2	203	68	6	24	8	0	8	5	1	0	1	0	326
10:00	1	198	74	11	35	2	0	8	0	0	0	0	0	329
11:00	7	302	73	3	26	2	3	5	4	0	0	0	0	425
12 PM	4	333	92	3	32	3	1	6	7	0	0	1	0	482
13:00	3	319	84	2	30	2	2	6	3	0	1	0	0	452
14:00	2	315	87	5	32	1	0	5	2	0	0	0	0	449
15:00	3	336	77	1	18	2	1	4	1	0	0	1	0	444
16:00	8	437	94	3	23	1	1	6	1	0	0	0	0	574
17:00	9	468	72	2	18	1	0	5	1	1	0	0	0	577
18:00	2	307	42	0	3	1	0	4	0	0	0	0	0	359
19:00	0	159	25	0	2	1	0	0	0	0	0	0	0	187
20:00	1	104	21	0	3	1	0	0	0	0	0	0	0	130
21:00	0	93	16	0	2	0	0	0	1	0	0	0	0	112
22:00	2	62	6	0	1	0	0	0	1	0	0	0	0	72
23:00	0	33	4	0	2	0	0	0	0	0	0	0	0	39
Total	48	4247	1059	48	341	44	11	69	38	2	1	4	2	5914
Percent	0.8%	71.8%	17.9%	0.8%	5.8%	0.7%	0.2%	1.2%	0.6%	0.0%	0.0%	0.1%	0.0%	
AM Peak	11:00	11:00	08:00	10:00	10:00	09:00	11:00	09:00	05:00	09:00		07:00	05:00	11:00
Vol.	7	302	88	11	35	8	3	8	6	1		1	2	425
PM Peak	17:00	17:00	16:00	14:00	12:00	12:00	13:00	12:00	12:00	17:00	13:00	12:00		17:00
Vol.	9	468	94	5	32	3	2	6	7	1	1	1		577
Grand Total	48	4247	1059	48	341	44	11	69	38	2	1	4	2	5914
Percent	0.8%	71.8%	17.9%	0.8%	5.8%	0.7%	0.2%	1.2%	0.6%	0.0%	0.0%	0.1%	0.0%	

Counts Unlimited, Inc.

City of Orange
 Batavia Street
 N/ Struck Avenue
 24 Hour Directional Classification Count
 Southbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN002
 Site Code: 051-22754

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	0	16	1	0	2	0	0	0	1	0	0	0	0	20
01:00	0	11	3	1	0	0	0	0	0	0	0	0	0	15
02:00	0	14	5	0	0	0	0	0	0	0	0	0	0	19
03:00	0	19	3	1	1	0	0	0	0	0	0	0	0	24
04:00	0	39	12	0	5	1	0	0	0	0	0	0	0	57
05:00	0	74	34	2	12	2	0	2	0	0	0	0	0	126
06:00	2	156	54	2	17	5	1	5	2	0	0	0	0	244
07:00	4	334	92	3	50	2	0	4	3	1	1	0	0	494
08:00	2	342	86	3	30	9	1	11	2	1	1	0	1	489
09:00	4	249	78	5	29	6	0	10	2	0	0	0	0	383
10:00	4	209	67	2	24	4	0	9	3	1	0	1	0	324
11:00	4	252	93	2	30	3	0	14	2	0	0	0	1	401
12 PM	4	267	86	3	36	5	1	5	2	0	2	0	0	411
13:00	6	238	74	4	34	4	1	14	2	1	2	0	1	381
14:00	3	230	78	4	34	0	0	7	3	2	1	0	1	363
15:00	3	263	82	2	19	2	2	9	1	0	0	0	0	383
16:00	1	314	90	3	27	4	0	9	1	0	0	0	0	449
17:00	4	251	53	1	15	1	0	6	1	0	1	0	0	333
18:00	2	194	32	2	11	2	2	2	0	1	1	0	0	249
19:00	3	153	33	1	13	0	1	1	0	0	0	0	0	205
20:00	0	76	17	0	2	0	0	0	1	0	0	0	0	96
21:00	0	65	7	0	5	0	0	1	0	0	0	0	0	78
22:00	0	47	5	0	1	0	0	1	0	0	0	0	0	54
23:00	1	25	3	0	0	0	0	0	0	0	0	0	0	29
Total	47	3838	1088	41	397	50	9	110	26	7	9	1	4	5627
Percent	0.8%	68.2%	19.3%	0.7%	7.1%	0.9%	0.2%	2.0%	0.5%	0.1%	0.2%	0.0%	0.1%	
AM Peak	07:00	08:00	11:00	09:00	07:00	08:00	06:00	11:00	07:00	07:00	07:00	10:00	08:00	07:00
Vol.	4	342	93	5	50	9	1	14	3	1	1	1	1	494
PM Peak	13:00	16:00	16:00	13:00	12:00	12:00	15:00	13:00	14:00	14:00	12:00		13:00	16:00
Vol.	6	314	90	4	36	5	2	14	3	2	2		1	449
Grand Total	47	3838	1088	41	397	50	9	110	26	7	9	1	4	5627
Percent	0.8%	68.2%	19.3%	0.7%	7.1%	0.9%	0.2%	2.0%	0.5%	0.1%	0.2%	0.0%	0.1%	

Counts Unlimited, Inc.

City of Orange
 Batavia Street
 N/ Struck Avenue
 24 Hour Directional Classification Count
 Northbound, Southbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN002
 Site Code: 051-22754

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	0	32	3	0	2	0	0	0	1	0	0	0	0	38
01:00	0	23	5	1	1	0	0	0	1	0	0	0	0	31
02:00	0	21	5	0	0	1	0	0	0	0	0	0	0	27
03:00	0	34	5	2	2	1	0	1	0	0	0	0	0	45
04:00	0	58	20	0	12	1	0	0	0	0	0	0	0	91
05:00	1	124	50	4	27	5	0	2	6	0	0	0	2	221
06:00	3	258	95	3	40	10	3	8	3	0	0	0	0	423
07:00	5	494	157	9	72	7	1	8	5	1	1	1	0	761
08:00	3	539	174	5	51	13	1	15	4	1	1	0	1	808
09:00	6	452	146	11	53	14	0	18	7	1	0	1	0	709
10:00	5	407	141	13	59	6	0	17	3	1	0	1	0	653
11:00	11	554	166	5	56	5	3	19	6	0	0	0	1	826
12 PM	8	600	178	6	68	8	2	11	9	0	2	1	0	893
13:00	9	557	158	6	64	6	3	20	5	1	3	0	1	833
14:00	5	545	165	9	66	1	0	12	5	2	1	0	1	812
15:00	6	599	159	3	37	4	3	13	2	0	0	1	0	827
16:00	9	751	184	6	50	5	1	15	2	0	0	0	0	1023
17:00	13	719	125	3	33	2	0	11	2	1	1	0	0	910
18:00	4	501	74	2	14	3	2	6	0	1	1	0	0	608
19:00	3	312	58	1	15	1	1	1	0	0	0	0	0	392
20:00	1	180	38	0	5	1	0	0	1	0	0	0	0	226
21:00	0	158	23	0	7	0	0	1	1	0	0	0	0	190
22:00	2	109	11	0	2	0	0	1	1	0	0	0	0	126
23:00	1	58	7	0	2	0	0	0	0	0	0	0	0	68
Total	95	8085	2147	89	738	94	20	179	64	9	10	5	6	11541
Percent	0.8%	70.1%	18.6%	0.8%	6.4%	0.8%	0.2%	1.6%	0.6%	0.1%	0.1%	0.0%	0.1%	
AM Peak	11:00	11:00	08:00	10:00	07:00	09:00	06:00	11:00	09:00	07:00	07:00	07:00	05:00	11:00
Vol.	11	554	174	13	72	14	3	19	7	1	1	1	2	826
PM Peak	17:00	16:00	16:00	14:00	12:00	12:00	13:00	13:00	12:00	14:00	13:00	12:00	13:00	16:00
Vol.	13	751	184	9	68	8	3	20	9	2	3	1	1	1023
Grand Total	95	8085	2147	89	738	94	20	179	64	9	10	5	6	11541
Percent	0.8%	70.1%	18.6%	0.8%	6.4%	0.8%	0.2%	1.6%	0.6%	0.1%	0.1%	0.0%	0.1%	

Counts Unlimited, Inc.

City of Orange
 Katella Avenue
 W/ Struck Avenue
 24 Hour Directional Classification Count
Eastbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN001
 Site Code: 051-22754

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	1	94	11	2	4	1	0	1	1	0	0	0	0	115
01:00	0	32	4	2	1	0	0	0	1	0	0	0	0	40
02:00	1	22	7	1	3	0	0	0	2	0	0	0	0	36
03:00	0	32	5	0	2	1	0	0	2	0	0	0	0	42
04:00	3	127	35	6	8	2	0	0	2	0	0	0	0	183
05:00	3	282	100	11	22	4	0	1	1	0	0	0	0	424
06:00	5	414	136	13	23	1	0	5	7	0	1	0	0	605
07:00	5	582	170	14	47	4	0	14	1	0	1	0	0	838
08:00	7	763	167	16	60	4	1	9	10	0	2	0	1	1040
09:00	7	611	158	18	74	4	1	13	4	3	1	0	0	894
10:00	8	614	158	12	60	3	0	13	7	1	0	1	0	877
11:00	8	690	173	14	70	4	1	11	6	4	0	0	0	981
12 PM	7	721	171	18	56	6	2	16	2	2	0	0	0	1001
13:00	7	571	157	17	59	8	1	11	5	1	0	0	2	839
14:00	4	608	158	14	59	3	3	10	3	2	1	0	0	865
15:00	7	713	162	15	52	3	2	12	2	0	0	0	0	968
16:00	9	786	181	17	55	3	0	11	3	2	0	0	0	1067
17:00	11	865	127	12	26	3	2	13	0	0	2	0	0	1061
18:00	3	642	93	11	15	0	0	15	0	2	0	0	0	781
19:00	4	493	78	12	19	0	0	1	3	2	1	0	0	613
20:00	1	392	55	6	7	1	0	5	2	1	0	0	0	470
21:00	5	565	83	3	13	1	0	2	3	0	1	0	0	676
22:00	5	446	61	5	11	1	1	1	0	0	0	0	0	531
23:00	0	139	15	2	2	0	0	0	1	0	0	0	0	159
Total	111	11204	2465	241	748	57	14	164	68	20	10	1	3	15106
Percent	0.7%	74.2%	16.3%	1.6%	5.0%	0.4%	0.1%	1.1%	0.5%	0.1%	0.1%	0.0%	0.0%	
AM Peak	10:00	08:00	11:00	09:00	09:00	05:00	08:00	07:00	08:00	11:00	08:00	10:00	08:00	08:00
Vol.	8	763	173	18	74	4	1	14	10	4	2	1	1	1040
PM Peak	17:00	17:00	16:00	12:00	13:00	13:00	14:00	12:00	13:00	12:00	17:00		13:00	16:00
Vol.	11	865	181	18	59	8	3	16	5	2	2		2	1067
Grand Total	111	11204	2465	241	748	57	14	164	68	20	10	1	3	15106
Percent	0.7%	74.2%	16.3%	1.6%	5.0%	0.4%	0.1%	1.1%	0.5%	0.1%	0.1%	0.0%	0.0%	

Counts Unlimited, Inc.

City of Orange
 Katella Avenue
 W/ Struck Avenue
 24 Hour Directional Classification Count
 Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN001
 Site Code: 051-22754

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	0	159	16	3	3	0	0	0	2	0	0	0	0	183
01:00	0	55	5	0	0	0	0	0	1	0	0	0	0	61
02:00	0	32	2	1	0	1	0	0	7	0	0	0	0	43
03:00	0	30	9	0	0	0	0	0	3	0	0	0	0	42
04:00	0	57	14	5	9	2	0	2	1	1	0	0	0	91
05:00	0	118	35	12	33	3	0	5	3	0	0	0	0	209
06:00	2	231	83	14	49	3	2	8	5	0	0	0	0	397
07:00	5	451	144	10	58	4	3	11	5	1	1	1	1	695
08:00	5	568	144	16	59	0	0	11	7	1	1	1	0	813
09:00	3	481	133	18	52	4	1	13	4	2	0	0	0	711
10:00	6	439	149	14	61	6	1	15	5	1	0	1	0	698
11:00	7	588	144	18	55	3	0	7	6	1	1	0	1	831
12 PM	7	730	156	18	58	2	1	9	6	2	0	0	2	991
13:00	9	765	210	16	63	4	0	9	2	2	1	1	0	1082
14:00	7	848	183	14	38	6	3	9	6	2	1	0	0	1117
15:00	8	899	210	14	60	2	1	8	2	0	0	0	1	1205
16:00	16	1032	226	11	57	4	0	19	3	2	0	1	0	1371
17:00	13	1413	217	12	53	3	2	7	1	2	3	1	0	1727
18:00	5	1093	184	8	31	3	0	9	2	2	1	0	0	1338
19:00	8	610	90	8	11	1	0	4	1	0	0	0	0	733
20:00	5	491	70	7	6	0	2	2	1	0	0	0	0	584
21:00	8	567	64	3	11	0	0	5	3	0	0	0	0	661
22:00	1	349	44	3	4	1	0	1	0	0	2	0	0	405
23:00	0	197	24	1	5	0	0	1	4	0	0	0	0	232
Total	115	12203	2556	226	776	52	16	155	80	19	11	6	5	16220
Percent	0.7%	75.2%	15.8%	1.4%	4.8%	0.3%	0.1%	1.0%	0.5%	0.1%	0.1%	0.0%	0.0%	
AM Peak	11:00	11:00	10:00	09:00	10:00	10:00	07:00	10:00	02:00	09:00	07:00	07:00	07:00	11:00
Vol.	7	588	149	18	61	6	3	15	7	2	1	1	1	831
PM Peak	16:00	17:00	16:00	12:00	13:00	14:00	14:00	16:00	12:00	12:00	17:00	13:00	12:00	17:00
Vol.	16	1413	226	18	63	6	3	19	6	2	3	1	2	1727
Grand Total	115	12203	2556	226	776	52	16	155	80	19	11	6	5	16220
Percent	0.7%	75.2%	15.8%	1.4%	4.8%	0.3%	0.1%	1.0%	0.5%	0.1%	0.1%	0.0%	0.0%	

Counts Unlimited, Inc.

City of Orange
 Katella Avenue
 W/ Struck Avenue
 24 Hour Directional Classification Count
 Eastbound, Westbound

PO Box 1178
 Corona, CA 92878
 Phone: (951) 268-6268
 email: counts@countsunlimited.com

ORN001
 Site Code: 051-22754

Start Time	Motorcyc	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
08/31/22	1	253	27	5	7	1	0	1	3	0	0	0	0	298
01:00	0	87	9	2	1	0	0	0	2	0	0	0	0	101
02:00	1	54	9	2	3	1	0	0	9	0	0	0	0	79
03:00	0	62	14	0	2	1	0	0	5	0	0	0	0	84
04:00	3	184	49	11	17	4	0	2	3	1	0	0	0	274
05:00	3	400	135	23	55	7	0	6	4	0	0	0	0	633
06:00	7	645	219	27	72	4	2	13	12	0	1	0	0	1002
07:00	10	1033	314	24	105	8	3	25	6	1	2	1	1	1533
08:00	12	1331	311	32	119	4	1	20	17	1	3	1	1	1853
09:00	10	1092	291	36	126	8	2	26	8	5	1	0	0	1605
10:00	14	1053	307	26	121	9	1	28	12	2	0	2	0	1575
11:00	15	1278	317	32	125	7	1	18	12	5	1	0	1	1812
12 PM	14	1451	327	36	114	8	3	25	8	4	0	0	2	1992
13:00	16	1336	367	33	122	12	1	20	7	3	1	1	2	1921
14:00	11	1456	341	28	97	9	6	19	9	4	2	0	0	1982
15:00	15	1612	372	29	112	5	3	20	4	0	0	0	1	2173
16:00	25	1818	407	28	112	7	0	30	6	4	0	1	0	2438
17:00	24	2278	344	24	79	6	4	20	1	2	5	1	0	2788
18:00	8	1735	277	19	46	3	0	24	2	4	1	0	0	2119
19:00	12	1103	168	20	30	1	0	5	4	2	1	0	0	1346
20:00	6	883	125	13	13	1	2	7	3	1	0	0	0	1054
21:00	13	1132	147	6	24	1	0	7	6	0	1	0	0	1337
22:00	6	795	105	8	15	2	1	2	0	0	2	0	0	936
23:00	0	336	39	3	7	0	0	1	5	0	0	0	0	391
Total	226	23407	5021	467	1524	109	30	319	148	39	21	7	8	31326
Percent	0.7%	74.7%	16.0%	1.5%	4.9%	0.3%	0.1%	1.0%	0.5%	0.1%	0.1%	0.0%	0.0%	
AM Peak	11:00	08:00	11:00	09:00	09:00	10:00	07:00	10:00	08:00	09:00	08:00	10:00	07:00	08:00
Vol.	15	1331	317	36	126	9	3	28	17	5	3	2	1	1853
PM Peak	16:00	17:00	16:00	12:00	13:00	13:00	14:00	16:00	14:00	12:00	17:00	13:00	12:00	17:00
Vol.	25	2278	407	36	122	12	6	30	9	4	5	1	2	2788
Grand Total	226	23407	5021	467	1524	109	30	319	148	39	21	7	8	31326
Percent	0.7%	74.7%	16.0%	1.5%	4.9%	0.3%	0.1%	1.0%	0.5%	0.1%	0.1%	0.0%	0.0%	

Counts Unlimited, Inc.

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email: counts@countsunlimited.com

ORN003

Site Code: 051-22754

City of Orange
Struck Avenue
E/ Driveway
24 Hour Directional Classification Count
Eastbound

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
09/15/22	0	0	1	0	2	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
04:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
05:00	0	20	11	0	4	0	0	0	0	0	0	0	0	35
06:00	0	36	18	1	18	2	0	0	0	0	0	0	0	75
07:00	0	31	9	0	12	1	0	0	1	0	0	0	0	54
08:00	0	32	11	0	6	0	0	1	0	0	0	0	0	50
09:00	0	34	23	0	12	1	0	0	1	0	0	0	0	71
10:00	0	22	12	1	9	1	0	1	0	0	0	0	0	46
11:00	0	29	18	1	7	1	0	3	0	0	0	0	0	59
12 PM	1	32	11	1	8	0	0	0	0	0	0	0	0	53
13:00	1	29	20	1	17	1	0	0	1	0	0	0	0	70
14:00	2	31	16	1	9	0	0	1	0	0	0	0	0	60
15:00	2	26	13	0	8	0	0	0	0	0	0	0	0	49
16:00	0	21	8	0	12	0	0	0	0	0	0	0	0	41
17:00	0	15	5	0	4	0	0	0	0	0	0	0	0	24
18:00	0	8	4	0	1	0	0	0	0	0	0	0	0	13
19:00	0	6	3	0	2	0	0	0	0	0	0	0	0	11
20:00	1	8	4	0	0	0	0	0	0	0	0	0	0	13
21:00	0	3	4	0	0	0	0	0	0	0	0	0	0	7
22:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
23:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
Total	7	400	197	7	131	7	0	6	3	0	0	0	0	758
Percent	0.9%	52.8%	26.0%	0.9%	17.3%	0.9%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak		06:00	09:00	02:00	06:00	06:00		11:00	07:00					06:00
Vol.		36	23	1	18	2		3	1					75
PM Peak	14:00	12:00	13:00	12:00	13:00	13:00		14:00	13:00					13:00
Vol.	2	32	20	1	17	1		1	1					70
Grand Total	7	400	197	7	131	7	0	6	3	0	0	0	0	758
Percent	0.9%	52.8%	26.0%	0.9%	17.3%	0.9%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%	

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ORN003

Site Code: 051-22754

City of Orange
Struck Avenue
E/ Driveway
24 Hour Directional Classification Count
Westbound

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
09/15/22	0	6	0	0	1	0	0	0	0	0	0	0	0	7
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	1	2	1	2	0	0	0	0	0	0	0	0	6
05:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4
06:00	0	10	4	1	5	1	0	0	0	0	0	0	0	21
07:00	0	7	11	0	7	0	0	0	0	0	0	0	0	25
08:00	0	16	9	0	13	0	0	0	0	0	0	0	0	38
09:00	2	19	23	1	14	0	0	1	0	0	0	0	0	60
10:00	3	24	10	1	12	2	0	2	0	0	0	0	1	55
11:00	0	21	16	1	11	1	0	1	0	0	0	0	0	51
12 PM	0	29	15	1	8	0	0	0	1	0	0	0	0	54
13:00	1	33	18	1	17	2	0	1	0	0	0	0	0	73
14:00	0	20	15	1	14	1	0	0	0	0	0	0	0	51
15:00	1	29	15	0	13	0	0	0	1	0	0	0	0	59
16:00	1	42	25	0	14	0	0	0	0	0	0	0	0	82
17:00	0	29	10	0	5	0	0	0	1	0	0	0	0	45
18:00	2	23	6	0	5	0	0	0	0	0	0	0	0	36
19:00	0	6	4	0	1	0	0	0	0	0	0	0	0	11
20:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
21:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
22:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
23:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6
Total	10	348	192	9	144	7	0	5	3	0	0	0	1	719
Percent	1.4%	48.4%	26.7%	1.3%	20.0%	1.0%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.1%	
AM Peak	10:00	10:00	09:00	03:00	09:00	10:00		10:00					10:00	09:00
Vol.	3	24	23	1	14	2		2					1	60
PM Peak	18:00	16:00	16:00	12:00	13:00	13:00		13:00	12:00					16:00
Vol.	2	42	25	1	17	2		1	1					82
Grand Total	10	348	192	9	144	7	0	5	3	0	0	0	1	719
Percent	1.4%	48.4%	26.7%	1.3%	20.0%	1.0%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.1%	

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 E/ Driveway
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 Eastbound, Westbound

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ORN003
 Site Code: 051-22754

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
09/15/22	0	6	1	0	3	0	0	0	0	0	0	0	0	10
01:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
02:00	0	6	2	1	0	0	0	0	0	0	0	0	0	9
03:00	0	4	0	1	0	0	0	0	0	0	0	0	0	5
04:00	0	7	5	1	2	0	0	0	0	0	0	0	0	15
05:00	0	22	12	0	5	0	0	0	0	0	0	0	0	39
06:00	0	46	22	2	23	3	0	0	0	0	0	0	0	96
07:00	0	38	20	0	19	1	0	0	1	0	0	0	0	79
08:00	0	48	20	0	19	0	0	1	0	0	0	0	0	88
09:00	2	53	46	1	26	1	0	1	1	0	0	0	0	131
10:00	3	46	22	2	21	3	0	3	0	0	0	0	1	101
11:00	0	50	34	2	18	2	0	4	0	0	0	0	0	110
12 PM	1	61	26	2	16	0	0	0	1	0	0	0	0	107
13:00	2	62	38	2	34	3	0	1	1	0	0	0	0	143
14:00	2	51	31	2	23	1	0	1	0	0	0	0	0	111
15:00	3	55	28	0	21	0	0	0	1	0	0	0	0	108
16:00	1	63	33	0	26	0	0	0	0	0	0	0	0	123
17:00	0	44	15	0	9	0	0	0	1	0	0	0	0	69
18:00	2	31	10	0	6	0	0	0	0	0	0	0	0	49
19:00	0	12	7	0	3	0	0	0	0	0	0	0	0	22
20:00	1	17	6	0	0	0	0	0	0	0	0	0	0	24
21:00	0	8	6	0	0	0	0	0	0	0	0	0	0	14
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
23:00	0	6	2	0	1	0	0	0	0	0	0	0	0	9
Total	17	748	389	16	275	14	0	11	6	0	0	0	1	1477
Percent	1.2%	50.6%	26.3%	1.1%	18.6%	0.9%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.1%	
AM Peak	10:00	09:00	09:00	06:00	09:00	06:00		11:00	07:00				10:00	09:00
Vol.	3	53	46	2	26	3		4	1				1	131
PM Peak	15:00	16:00	13:00	12:00	13:00	13:00		13:00	12:00					13:00
Vol.	3	63	38	2	34	3		1	1					143
Grand Total	17	748	389	16	275	14	0	11	6	0	0	0	1	1477
Percent	1.2%	50.6%	26.3%	1.1%	18.6%	0.9%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.1%	

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**APPENDIX 3.2: EXISTING (2022) CONDITIONS INTERSECTION
OPERATIONS ANALYSIS WORKSHEETS**

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Timings

534 Struck Avenue (JN 13101)

1: SR-57 SB Ramps & Katella Av.

10/10/2022



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↵	↵
Traffic Volume (vph)	1125	875	109	0	355
Future Volume (vph)	1125	875	109	0	355
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.3	27.8	23.9	23.9	23.9
Total Split (%)	35.4%	34.8%	29.9%	29.9%	29.9%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	29.6	22.0	11.8	11.8	11.8
Actuated g/C Ratio	0.37	0.28	0.15	0.15	0.15
v/c Ratio	0.80	0.79	0.41	0.53	0.50
Control Delay	26.4	35.0	35.7	11.6	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.4	35.0	35.7	11.6	9.8
LOS	C	D	D	B	A
Approach Delay	26.4	35.0		16.0	
Approach LOS	C	D		B	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 80
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.80
 Intersection Signal Delay: 27.8
 Intersection LOS: C
 Intersection Capacity Utilization 46.1%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1125	298	0	875	168	0	0	0	109	0	355
Future Volume (veh/h)	0	1125	298	0	875	168	0	0	0	109	0	355
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1826	1752				1841	1900	1826
Adj Flow Rate, veh/h	0	1148	304	0	893	171				74	0	220
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.98	0.98	0.98
Percent Heavy Veh, %	0	5	5	0	5	10				4	0	5
Cap, veh/h	0	2870	760	0	3078	586				219	0	386
Arrive On Green	0.00	0.74	0.74	0.00	0.74	0.74				0.12	0.00	0.12
Sat Flow, veh/h	0	4068	1034	0	4351	797				1753	0	3095
Grp Volume(v), veh/h	0	977	475	0	708	356				74	0	220
Grp Sat Flow(s),veh/h/ln	0	1662	1614	0	1662	1661				1753	0	1547
Q Serve(g_s), s	0.0	8.8	8.8	0.0	5.7	5.8				3.1	0.0	5.4
Cycle Q Clear(g_c), s	0.0	8.8	8.8	0.0	5.7	5.8				3.1	0.0	5.4
Prop In Lane	0.00		0.64	0.00		0.48				1.00		1.00
Lane Grp Cap(c), veh/h	0	2443	1186	0	2443	1221				219	0	386
V/C Ratio(X)	0.00	0.40	0.40	0.00	0.29	0.29				0.34	0.00	0.57
Avail Cap(c_a), veh/h	0	2443	1186	0	2443	1221				397	0	700
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.59	0.59				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	4.0	4.0	0.0	3.6	3.6				32.0	0.0	33.0
Incr Delay (d2), s/veh	0.0	0.1	0.2	0.0	0.2	0.4				0.9	0.0	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.8	1.8	0.0	1.2	1.3				1.3	0.0	2.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	4.1	4.2	0.0	3.7	3.9				32.9	0.0	34.3
LnGrp LOS	A	A	A	A	A	A				C	A	C
Approach Vol, veh/h		1452			1064						294	
Approach Delay, s/veh		4.1			3.8						34.0	
Approach LOS		A			A						C	
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		64.2		15.8		64.2						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.9		18.1		22.4						
Max Q Clear Time (g_c+I1), s		10.8		7.4		7.8						
Green Ext Time (p_c), s		7.2		0.7		5.9						
Intersection Summary												
HCM 6th Ctrl Delay				7.1								
HCM 6th LOS				A								
Notes												
User approved volume balancing among the lanes for turning movement.												

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↵	↵	↔	↵
Traffic Volume (vph)	751	670	105	373	0	485
Future Volume (vph)	751	670	105	373	0	485
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	22.0	22.0	30.0	30.0	30.0
Total Split (%)	35.0%	27.5%	27.5%	37.5%	37.5%	37.5%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	27.4	15.8	15.8	20.2	20.2	20.2
Actuated g/C Ratio	0.34	0.20	0.20	0.25	0.25	0.25
v/c Ratio	0.53	0.74	0.30	0.74	0.60	0.50
Control Delay	10.0	35.5	8.1	38.0	15.1	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	10.0	35.5	8.1	38.0	15.1	6.1
LOS	B	D	A	D	B	A
Approach Delay	10.0	31.8			20.1	
Approach LOS	B	C			C	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 65
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.74
 Intersection Signal Delay: 18.9
 Intersection Capacity Utilization 47.7%
 Analysis Period (min) 15
 Intersection LOS: B
 ICU Level of Service A

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	751	483	0	670	105	373	0	485	0	0	0
Future Volume (veh/h)	0	751	483	0	670	105	373	0	485	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1781	1752	1870	1900	1826			
Adj Flow Rate, veh/h	0	791	508	0	705	111	484	0	194			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	5	5	0	8	10	2	0	5			
Cap, veh/h	0	4031	1029	0	3314	991	636	0	276			
Arrive On Green	0.00	0.68	0.68	0.00	0.68	0.68	0.18	0.00	0.18			
Sat Flow, veh/h	0	6263	1509	0	5024	1454	3563	0	1547			
Grp Volume(v), veh/h	0	791	508	0	705	111	484	0	194			
Grp Sat Flow(s),veh/h/ln	0	1479	1509	0	1621	1454	1781	0	1547			
Q Serve(g_s), s	0.0	3.9	12.9	0.0	4.3	2.1	10.3	0.0	9.4			
Cycle Q Clear(g_c), s	0.0	3.9	12.9	0.0	4.3	2.1	10.3	0.0	9.4			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	4031	1029	0	3314	991	636	0	276			
V/C Ratio(X)	0.00	0.20	0.49	0.00	0.21	0.11	0.76	0.00	0.70			
Avail Cap(c_a), veh/h	0	4031	1029	0	3314	991	1078	0	468			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.54	0.54	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	4.7	6.1	0.0	4.7	4.4	31.2	0.0	30.9			
Incr Delay (d2), s/veh	0.0	0.1	0.9	0.0	0.0	0.0	1.9	0.0	3.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	0.9	3.1	0.0	1.0	0.5	4.3	0.0	3.5			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	4.7	7.0	0.0	4.8	4.4	33.1	0.0	34.1			
LnGrp LOS	A	A	A	A	A	A	C	A	C			
Approach Vol, veh/h		1299			816			678				
Approach Delay, s/veh		5.6			4.7			33.4				
Approach LOS		A			A			C				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		59.9			59.9			20.1				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			16.6			24.2				
Max Q Clear Time (g_c+I1), s		14.9			6.3			12.3				
Green Ext Time (p_c), s		4.7			3.6			2.0				

Intersection Summary

HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.297
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns and 12 rows showing various volume and adjustment factors.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns and 4 rows showing saturation flow and adjustment factors.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns and 3 rows showing capacity analysis metrics.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.452
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Protected), Rights (Ovl/Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns representing different traffic components and 12 rows for various adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat., and 4 rows of data.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for Vol/Sat, OvlAdjV/S, and Crit Moves, and 3 rows of data.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.460
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different volume categories (Base Vol, Growth Adj, Initial Bse, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume) across 4 bounds.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat. across 4 bounds.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for Vol/Sat and Crit Moves across 4 bounds.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different traffic conditions and 10 rows for various volume and adjustment factors.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for different traffic conditions and 4 rows for saturation flow and adjustment factors.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for different traffic conditions and 3 rows for capacity analysis metrics.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.278
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with columns for Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different traffic volumes and 12 rows for various adjustment factors like Base Vol, Growth Adj, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis and 3 rows for Vol/Sat, Crit Moves, and other metrics.

Timings
1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↕	↵
Traffic Volume (vph)	1025	1402	399	0	667
Future Volume (vph)	1025	1402	399	0	667
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.0	38.0	24.0	24.0	24.0
Total Split (%)	31.1%	42.2%	26.7%	26.7%	26.7%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	22.6	32.6	18.2	18.2	18.2
Actuated g/C Ratio	0.25	0.36	0.20	0.20	0.20
v/c Ratio	1.13	1.02	1.12	0.67	0.62
Control Delay	100.3	54.0	119.0	12.2	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	100.3	54.0	119.0	12.2	8.5
LOS	F	D	F	B	A
Approach Delay	100.3	54.0		46.9	
Approach LOS	F	D		D	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 120
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.13
 Intersection Signal Delay: 67.3
 Intersection LOS: E
 Intersection Capacity Utilization 70.7%
 ICU Level of Service C
 Analysis Period (min) 15

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1025	316	0	1402	301	0	0	0	399	0	667
Future Volume (veh/h)	0	1025	316	0	1402	301	0	0	0	399	0	667
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1856	1856	0	1841	1870				1900	1900	1900
Adj Flow Rate, veh/h	0	1102	340	0	1508	324				286	0	788
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93				0.93	0.93	0.93
Percent Heavy Veh, %	0	3	3	0	4	2				0	0	0
Cap, veh/h	0	2568	792	0	2790	597				366	0	651
Arrive On Green	0.00	0.67	0.67	0.00	0.67	0.67				0.20	0.00	0.20
Sat Flow, veh/h	0	3981	1177	0	4309	886				1810	0	3220
Grp Volume(v), veh/h	0	976	466	0	1218	614				286	0	788
Grp Sat Flow(s),veh/h/ln	0	1689	1614	0	1675	1680				1810	0	1610
Q Serve(g_s), s	0.0	11.9	11.9	0.0	16.8	16.9				13.5	0.0	18.2
Cycle Q Clear(g_c), s	0.0	11.9	11.9	0.0	16.8	16.9				13.5	0.0	18.2
Prop In Lane	0.00		0.73	0.00		0.53				1.00		1.00
Lane Grp Cap(c), veh/h	0	2274	1087	0	2256	1131				366	0	651
V/C Ratio(X)	0.00	0.43	0.43	0.00	0.54	0.54				0.78	0.00	1.21
Avail Cap(c_a), veh/h	0	2274	1087	0	2256	1131				366	0	651
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.31	0.31				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	6.8	6.8	0.0	7.5	7.6				34.0	0.0	35.9
Incr Delay (d2), s/veh	0.0	0.1	0.3	0.0	0.3	0.6				10.5	0.0	108.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	3.4	3.3	0.0	4.7	4.9				6.6	0.0	16.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	6.9	7.0	0.0	7.8	8.2				44.5	0.0	144.3
LnGrp LOS	A	A	A	A	A	A				D	A	F
Approach Vol, veh/h		1442			1832						1074	
Approach Delay, s/veh		6.9			7.9						117.7	
Approach LOS		A			A						F	
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		66.0		24.0		66.0						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.6		18.2		32.6						
Max Q Clear Time (g_c+1), s		13.9		20.2		18.9						
Green Ext Time (p_c), s		5.6		0.0		9.6						

Intersection Summary

HCM 6th Ctrl Delay	34.7
HCM 6th LOS	C

Notes

User approved volume balancing among the lanes for turning movement.

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↗	↖	↔	↗
Traffic Volume (vph)	1110	1329	195	374	0	653
Future Volume (vph)	1110	1329	195	374	0	653
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	32.0	32.0	30.0	30.0	30.0
Total Split (%)	31.1%	35.6%	35.6%	33.3%	33.3%	33.3%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	23.5	26.7	26.7	23.2	23.2	23.2
Actuated g/C Ratio	0.26	0.30	0.30	0.26	0.26	0.26
v/c Ratio	0.76	0.91	0.33	0.88	0.59	0.55
Control Delay	25.6	40.6	5.3	55.6	9.3	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.6	40.6	5.3	55.6	9.3	6.6
LOS	C	D	A	E	A	A
Approach Delay	25.6	36.1			23.6	
Approach LOS	C	D			C	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.91
 Intersection Signal Delay: 29.1
 Intersection LOS: C
 Intersection Capacity Utilization 54.6%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	1110	314	0	1329	195	374	0	653	0	0	0
Future Volume (veh/h)	0	1110	314	0	1329	195	374	0	653	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1870	1856	0	1885	1885	1752	1900	1870			
Adj Flow Rate, veh/h	0	1156	327	0	1384	203	260	0	709			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	2	3	0	1	1	10	0	2			
Cap, veh/h	0	3785	965	0	3214	998	419	0	796			
Arrive On Green	0.00	0.62	0.62	0.00	0.62	0.62	0.25	0.00	0.25			
Sat Flow, veh/h	0	6415	1545	0	5316	1598	1668	0	3170			
Grp Volume(v), veh/h	0	1156	327	0	1384	203	260	0	709			
Grp Sat Flow(s),veh/h/ln	0	1515	1545	0	1716	1598	1668	0	1585			
Q Serve(g_s), s	0.0	8.0	9.1	0.0	12.4	4.9	12.4	0.0	19.4			
Cycle Q Clear(g_c), s	0.0	8.0	9.1	0.0	12.4	4.9	12.4	0.0	19.4			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	3785	965	0	3214	998	419	0	796			
V/C Ratio(X)	0.00	0.31	0.34	0.00	0.43	0.20	0.62	0.00	0.89			
Avail Cap(c_a), veh/h	0	3785	965	0	3214	998	449	0	852			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.09	0.09	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	7.8	8.0	0.0	8.7	7.3	29.9	0.0	32.5			
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.0	0.1	0.1	2.4	0.0	11.1			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.2	2.5	0.0	3.8	1.4	4.9	0.0	8.1			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	7.9	8.1	0.0	8.8	7.4	32.3	0.0	43.6			
LnGrp LOS	A	A	A	A	A	A	C	A	D			
Approach Vol, veh/h		1483			1587			969				
Approach Delay, s/veh		7.9			8.6			40.6				
Approach LOS		A			A			D				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		61.6			61.6			28.4				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			26.6			24.2				
Max Q Clear Time (g_c+I1), s		11.1			14.4			21.4				
Green Ext Time (p_c), s		7.1			7.5			1.2				

Intersection Summary

HCM 6th Ctrl Delay	16.0
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.430
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different traffic volumes and adjustment factors.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow rates and lane adjustments.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.506
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Protected Protected Protected Protected
Rights: Ovl Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 2 0 2 0 1 1 0 2 0 1 1 0 3 0 1 1 0 2 1 0

Volume Module:
Base Vol: 155 429 361 75 255 107 32 665 46 209 1253 107
Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bse: 155 429 361 75 255 107 32 665 46 209 1253 107
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 155 429 361 75 255 107 32 665 46 209 1253 107
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 155 429 361 75 255 107 32 665 46 209 1253 107
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 155 429 361 75 255 107 32 665 46 209 1253 107
OvlAdjVol: 152

Saturation Flow Module:
Sat/Lane: 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 2.00 2.00 1.00 1.00 2.00 1.00 1.00 3.00 1.00 1.00 2.76 0.24
Final Sat.: 3400 3400 1700 1700 3400 1700 1700 5100 1700 1700 4699 401

Capacity Analysis Module:
Vol/Sat: 0.05 0.13 0.21 0.04 0.08 0.06 0.02 0.13 0.03 0.12 0.27 0.27
OvlAdjV/S: 0.09
Crit Moves: **** **** **** ****

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.456
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for different traffic movements and 10 rows for various volume and adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for different traffic movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for different traffic movements and 3 rows for Vol/Sat, Crit Moves, and other metrics.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.654
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 33 Level Of Service: B

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different volume types (Base Vol, Growth Adj, etc.) and 4 rows of data.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow values and 4 rows of data.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis values and 3 rows of data.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.279
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different traffic volumes and adjustment factors.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow rates and lane adjustments.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics.

**APPENDIX 3.3: EXISTING (2022) CONDITIONS TRAFFIC SIGNAL
WARRANT ANALYSIS WORKSHEETS**

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Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1452	1064	100	188	185
v/c Ratio	0.80	0.79	0.41	0.53	0.50
Control Delay	26.4	35.0	35.7	11.6	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.4	35.0	35.7	11.6	9.8
Queue Length 50th (ft)	213	208	49	5	0
Queue Length 95th (ft)	#342	253	90	62	53
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1815	1369	373	456	473
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.80	0.78	0.27	0.41	0.39

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1299	705	111	314	299	291
v/c Ratio	0.53	0.74	0.30	0.74	0.60	0.50
Control Delay	10.0	35.5	8.1	38.0	15.1	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	10.0	35.5	8.1	38.0	15.1	6.1
Queue Length 50th (ft)	146	120	0	148	51	0
Queue Length 95th (ft)	181	161	39	230	130	56
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	2464	996	386	508	566	644
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	0.53	0.71	0.29	0.62	0.53	0.45

Intersection Summary

Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1442	1832	386	380	380
v/c Ratio	1.13	1.02	1.12	0.67	0.62
Control Delay	100.3	54.0	119.0	12.2	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	100.3	54.0	119.0	12.2	8.5
Queue Length 50th (ft)	~339	~419	~267	21	0
Queue Length 95th (ft)	#434	m#508	#449	121	81
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1275	1794	346	570	613
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.13	1.02	1.12	0.67	0.62

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1483	1384	203	351	359	360
v/c Ratio	0.76	0.91	0.33	0.88	0.59	0.55
Control Delay	25.6	40.6	5.3	55.6	9.3	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.6	40.6	5.3	55.6	9.3	6.6
Queue Length 50th (ft)	218	276	0	197	18	0
Queue Length 95th (ft)	m194	#365	48	#353	103	69
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	1944	1524	617	419	623	667
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	0.76	0.91	0.33	0.84	0.58	0.54

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

**APPENDIX 3.4: EXISTING (2022) CONDITIONS FREEWAY OFF-RAMP
QUEUING ANALYSIS WORKSHEETS**

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Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1452	1064	100	188	185
v/c Ratio	0.80	0.79	0.41	0.53	0.50
Control Delay	26.4	35.0	35.7	11.6	9.8
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.4	35.0	35.7	11.6	9.8
Queue Length 50th (ft)	213	208	49	5	0
Queue Length 95th (ft)	#342	253	90	62	53
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Turn Bay Length (ft)			535		535
Base Capacity (vph)	1815	1369	373	456	473
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.80	0.78	0.27	0.41	0.39

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1299	705	111	314	299	291
v/c Ratio	0.53	0.74	0.30	0.74	0.60	0.50
Control Delay	10.0	35.5	8.1	38.0	15.1	6.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	10.0	35.5	8.1	38.0	15.1	6.1
Queue Length 50th (ft)	146	120	0	148	51	0
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Base Capacity (vph)	2464	996	386	508	566	644
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	0.53	0.71	0.29	0.62	0.53	0.45
Intersection Summary						

Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
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v/c Ratio	1.13	1.02	1.12	0.67	0.62
Control Delay	100.3	54.0	119.0	12.2	8.5
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Total Delay	100.3	54.0	119.0	12.2	8.5
Queue Length 50th (ft)	~339	~419	~267	21	0
Queue Length 95th (ft)	#434	m#508	#449	121	81
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Turn Bay Length (ft)			535		535
Base Capacity (vph)	1275	1794	346	570	613
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.13	1.02	1.12	0.67	0.62

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
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Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1483	1384	203	351	359	360
v/c Ratio	0.76	0.91	0.33	0.88	0.59	0.55
Control Delay	25.6	40.6	5.3	55.6	9.3	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	25.6	40.6	5.3	55.6	9.3	6.6
Queue Length 50th (ft)	218	276	0	197	18	0
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Turn Bay Length (ft)				515		515
Base Capacity (vph)	1944	1524	617	419	623	667
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	0.76	0.91	0.33	0.84	0.58	0.54

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

APPENDIX 4.1: DRIVEWAY COUNTS FOR TRIP GENERATION RATES

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Table 4.1-1

Summary of Driveway Count Data - Calculation of Average Trip Generation Rate

Land Use	700 Eckhoff Street, Orange ²							2550 E. 28th Street, Vernon ²							2250 E. 69th Street, Long Beach ²							15400 S. Main Street, Gardena ²							10661 Etiwanda Avenue, Fontana ²						
	AM Peak Hour			PM Peak Hour				Daily	AM Peak Hour			PM Peak Hour				Daily	AM Peak Hour			PM Peak Hour				Daily	AM Peak Hour			PM Peak Hour				Daily			
	In	Out	Total	In	Out	Total	In		Out	Total	In	Out	Total	In	Out		Total	In	Out	Total	In	Out	Total		In	Out	Total	In	Out	Total	In		Out	Total	Daily
DAY 1	November 10, 2020							November 24, 2020							March 9, 2022							March 9, 2022							March 9, 2022						
Passenger Cars:	9	7	16	6	4	10	212	7	4	11	4	1	5	145	10	7	17	1	4	5	177	11	5	16	11	4	15	226	15	17	32	6	22	28	677
2-axle Trucks:	0	0	0	1	0	1	15	0	0	0	1	0	1	15	1	1	2	0	0	0	11	0	0	0	4	5	9	49	6	7	13	3	2	5	85
3-axle Trucks:	1	2	3	6	3	9	50	1	2	3	6	3	9	50	0	0	0	2	0	2	18	0	0	0	0	0	0	47	0	2	2	6	1	7	77
4+-axle Trucks:	1	4	5	3	2	5	92	1	4	5	3	2	5	92	2	6	8	7	0	7	93	0	2	2	1	2	3	47	4	11	15	15	9	24	399
Total Truck Trips:	2	6	8	10	5	15	157	2	6	8	10	5	15	157	3	7	10	9	0	9	122	0	2	2	5	7	12	143	10	20	30	24	12	36	561
Total Trips ¹	11	13	24	16	9	25	369	9	10	19	14	6	20	302	13	14	27	10	4	14	299	11	7	18	16	11	27	369	25	37	62	30	34	64	1,238
DAY 2	November 12, 2020							November 25, 2020							March 10, 2022							March 10, 2022							March 10, 2022						
Passenger Cars:	13	10	23	8	5	13	189	9	3	12	5	3	8	115	9	3	12	2	2	4	172	7	3	10	4	7	11	222	17	15	32	9	11	20	691
2-axle Trucks:	0	1	1	0	0	0	18	0	1	1	0	0	0	18	0	1	1	0	0	0	5	3	2	5	0	1	1	37	1	3	4	2	2	4	79
3-axle Trucks:	0	0	0	4	0	4	49	0	0	0	4	0	4	49	2	3	5	0	0	0	20	0	4	4	3	1	4	47	3	2	5	4	0	4	76
4+-axle Trucks:	1	1	2	2	2	4	80	1	1	2	2	2	4	80	5	8	13	8	1	9	94	0	4	4	6	0	6	66	10	13	23	20	5	25	369
Total Truck Trips:	1	2	3	6	2	8	147	1	2	3	6	2	8	147	7	12	19	8	1	9	119	3	10	13	9	2	11	150	14	18	32	26	7	33	524
Total Trips ¹	14	12	26	14	7	21	336	10	5	15	11	5	16	262	16	15	31	10	3	13	291	10	13	23	13	9	22	372	31	33	64	35	18	53	1,215
2-Day Average Trip Generation:																																			
Passenger Cars:	11	9	20	7	5	12	201	8	4	12	5	2	7	130	10	5	15	2	3	5	175	9	4	13	8	6	13	224	16	16	32	8	17	24	684
2-axle Trucks:	0	1	1	1	0	1	17	0	1	1	1	0	1	17	1	1	2	0	0	0	8	2	1	3	2	3	5	43	4	5	9	3	2	5	82
3-axle Trucks:	1	1	2	5	2	7	50	1	1	2	5	2	7	50	1	2	3	1	0	1	19	0	2	2	2	1	2	47	2	2	4	5	1	6	77
4+-axle Trucks:	1	3	4	3	2	5	86	1	3	4	3	2	5	86	4	7	11	8	1	8	94	0	3	3	4	1	5	57	7	12	19	18	7	25	384
Total Truck Trips:	2	4	6	8	4	12	152	2	4	6	8	4	12	152	5	10	15	9	1	9	121	2	6	8	7	5	12	147	12	19	31	25	10	35	543
Total Trips ¹	13	13	25	15	8	23	353	10	8	17	13	6	18	282	15	15	29	10	4	14	295	11	10	21	15	10	25	371	28	35	63	33	26	59	1,227
Average Trip Generation Rate (Dock Doors)																																			
Passenger Cars:	0.116	0.089	0.205	0.074	0.047	0.121	2.111	0.100	0.044	0.144	0.056	0.025	0.081	1.625	0.144	0.076	0.220	0.023	0.045	0.068	2.644	0.102	0.045	0.148	0.085	0.063	0.148	2.545	0.097	0.097	0.194	0.045	0.100	0.145	4.145
2-axle Trucks:	0.000	0.005	0.005	0.005	0.000	0.005	0.174	0.000	0.006	0.006	0.006	0.000	0.006	0.206	0.008	0.015	0.023	0.000	0.000	0.000	0.121	0.017	0.011	0.028	0.023	0.034	0.057	0.489	0.021	0.030	0.052	0.015	0.012	0.027	0.497
3-axle Trucks:	0.005	0.011	0.016	0.053	0.016	0.068	0.521	0.006	0.013	0.019	0.063	0.019	0.081	0.619	0.015	0.023	0.038	0.015	0.000	0.015	0.288	0.000	0.023	0.023	0.017	0.006	0.023	0.534	0.009	0.012	0.021	0.030	0.003	0.033	0.464
4+-axle Trucks:	0.011	0.026	0.037	0.026	0.021	0.047	0.905	0.013	0.031	0.044	0.031	0.025	0.056	1.075	0.053	0.106	0.159	0.114	0.008	0.121	1.417	0.000	0.034	0.034	0.040	0.011	0.051	0.642	0.042	0.073	0.115	0.106	0.042	0.148	2.327
Total Rate	0.132	0.132	0.263	0.158	0.084	0.242	3.711	0.119	0.094	0.213	0.156	0.069	0.225	3.525	0.220	0.220	0.439	0.152	0.053	0.205	4.470	0.119	0.114	0.233	0.165	0.114	0.278	4.210	0.170	0.212	0.382	0.197	0.158	0.355	7.433

¹ Total Trips = Passenger Cars + Total Truck Trips.

² Trip generation represents the sum of all driveways, by day.

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City: Orange
 Location: 700 N Eckhoff Street
 Driveway: South
 Date: Tuesday, November 10, 2020
 Count Type: Driveway Classification

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

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

12:00	1	0	2	1	4
12:15	1	0	0	1	2
12:30	0	0	0	0	0
12:45	0	0	0	0	0
13:00	0	0	0	0	0
13:15	1	0	0	0	1
13:30	0	0	1	0	1
13:45	0	0	0	1	1
14:00	1	0	0	0	1
14:15	0	0	0	0	0
14:30	1	0	0	0	1
14:45	0	0	0	0	0
15:00	0	0	0	0	0
15:15	1	0	0	0	1
15:30	0	0	0	1	1
15:45	0	0	0	0	0
16:00	1	0	0	1	2
16:15	0	0	1	3	4
16:30	1	0	0	0	1
16:45	1	0	0	0	1
17:00	3	0	0	0	3
17:15	0	0	2	1	3
17:30	2	0	1	2	5
17:45	1	1	2	0	4
18:00	0	0	2	2	4
18:15	0	0	2	4	6
18:30	0	0	5	3	8
18:45	2	1	0	2	5
19:00	1	0	0	1	2
19:15	6	0	1	0	7
19:30	4	0	1	1	6
19:45	1	0	1	2	4
20:00	0	2	1	1	4
20:15	1	0	0	1	2
20:30	0	0	0	0	0
20:45	2	0	0	0	2
21:00	0	0	0	0	0
21:15	1	0	0	1	2
21:30	2	0	0	0	2
21:45	2	0	0	1	3
22:00	0	0	0	0	0
22:15	0	0	0	0	0
22:30	0	0	0	1	1
22:45	0	0	0	0	0
23:00	0	0	0	0	0
23:15	2	0	0	0	2
23:30	2	0	0	0	2
23:45	0	0	0	0	0
TOTAL	103	7	27	44	181

12:00	0	0	0	1	1
12:15	2	0	1	0	3
12:30	1	0	0	0	1
12:45	0	1	0	0	1
13:00	0	1	0	0	1
13:15	1	0	0	0	1
13:30	0	0	0	0	0
13:45	0	0	0	0	0
14:00	0	0	1	1	2
14:15	0	0	0	1	1
14:30	0	0	0	1	1
14:45	0	0	0	0	0
15:00	2	0	0	0	2
15:15	1	0	0	1	2
15:30	1	0	0	0	1
15:45	2	0	0	0	2
16:00	1	0	0	0	1
16:15	0	0	0	0	0
16:30	3	0	0	0	3
16:45	0	0	0	0	0
17:00	1	0	2	0	3
17:15	1	0	0	1	2
17:30	1	0	0	1	2
17:45	1	0	1	0	2
18:00	2	0	0	0	2
18:15	1	1	0	0	2
18:30	3	1	0	0	4
18:45	3	0	0	2	5
19:00	2	0	0	0	2
19:15	4	0	0	0	4
19:30	5	0	0	0	5
19:45	4	0	0	0	4
20:00	2	0	0	0	2
20:15	1	0	0	0	1
20:30	3	0	1	0	4
20:45	4	0	0	1	5
21:00	1	0	0	1	2
21:15	1	0	0	0	1
21:30	1	0	0	0	1
21:45	1	0	0	0	1
22:00	1	0	0	0	1
22:15	1	0	0	0	1
22:30	0	0	0	0	0
22:45	0	0	0	1	1
23:00	0	0	0	2	2
23:15	3	0	0	0	3
23:30	7	0	1	0	8
23:45	3	0	0	0	3
TOTAL	109	8	23	48	188

City: Orange
 Location: 700 N Eckhoff Street
 Driveway: South
 Date: Thursday, November 12, 2020
 Count Type: Driveway Classification

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

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

12:00	0	1	0	1	2
12:15	2	0	0	0	2
12:30	0	0	0	0	0
12:45	0	0	0	0	0
13:00	0	0	0	0	0
13:15	0	0	1	0	1
13:30	1	0	1	0	2
13:45	0	0	1	0	1
14:00	2	0	2	0	4
14:15	1	0	0	1	2
14:30	0	0	0	0	0
14:45	0	0	0	0	0
15:00	0	0	0	2	2
15:15	0	0	0	0	0
15:30	0	1	0	2	3
15:45	0	0	0	0	0
16:00	1	0	1	0	2
16:15	0	0	0	2	2
16:30	1	0	0	0	1
16:45	0	0	0	0	0
17:00	1	0	3	0	4
17:15	2	0	0	0	2
17:30	3	0	0	1	4
17:45	2	0	1	1	4
18:00	1	0	0	1	2
18:15	0	0	1	3	4
18:30	0	0	1	4	5
18:45	1	0	1	2	4
19:00	1	1	1	1	4
19:15	3	0	2	0	5
19:30	2	0	1	1	4
19:45	0	0	0	2	2
20:00	0	0	0	0	0
20:15	1	0	1	1	3
20:30	1	0	0	1	2
20:45	1	0	0	0	1
21:00	0	0	0	0	0
21:15	2	1	1	0	4
21:30	2	0	0	0	2
21:45	0	0	0	0	0
22:00	0	0	0	0	0
22:15	1	0	0	1	2
22:30	2	0	0	0	2
22:45	0	0	1	0	1
23:00	0	0	0	1	1
23:15	1	0	0	0	1
23:30	1	0	0	0	1
23:45	0	0	0	0	0
TOTAL	96	9	25	41	171

12:00	1	1	0	1	3
12:15	0	0	0	0	0
12:30	1	0	1	0	2
12:45	1	1	0	0	2
13:00	0	0	0	0	0
13:15	1	0	2	0	3
13:30	0	0	0	0	0
13:45	3	0	0	0	3
14:00	0	0	0	0	0
14:15	0	0	0	0	0
14:30	0	0	0	1	1
14:45	0	0	0	2	2
15:00	1	0	0	0	1
15:15	0	0	0	1	1
15:30	0	0	0	0	0
15:45	1	0	0	1	2
16:00	1	0	0	1	2
16:15	1	1	0	0	2
16:30	1	0	0	0	1
16:45	1	0	0	0	1
17:00	2	0	0	1	3
17:15	0	0	0	0	0
17:30	2	0	0	1	3
17:45	1	0	0	0	1
18:00	3	0	0	0	3
18:15	1	0	0	0	1
18:30	2	0	0	0	2
18:45	3	0	1	1	5
19:00	2	0	0	0	2
19:15	2	0	0	0	2
19:30	6	0	0	0	6
19:45	3	0	0	0	3
20:00	0	0	0	0	0
20:15	3	0	0	0	3
20:30	3	0	0	0	3
20:45	1	0	0	0	1
21:00	1	0	0	0	1
21:15	1	0	0	0	1
21:30	0	0	0	1	1
21:45	1	0	0	0	1
22:00	1	0	0	0	1
22:15	0	0	0	0	0
22:30	1	0	2	0	3
22:45	0	0	0	0	0
23:00	0	0	0	0	0
23:15	1	0	0	2	3
23:30	3	0	1	0	4
23:45	3	0	1	0	4
	93	9	24	37	163



City: Vernon
 Location: 2550 E 28th Street - TOTAL
 Date: 11/24/2020
 Count Type: Driveway Count

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

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



City: Vernon
 Location: 2550 E 28th Street - TOTAL
 Date: 11/24/2020
 Count Type: Driveway Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	1	2	3
12:15	2	0	0	1	3
12:30	0	1	0	3	4
12:45	4	0	0	1	5
13:00	2	1	0	0	3
13:15	0	0	0	4	4
13:30	0	0	0	1	1
13:45	3	0	0	1	4
14:00	2	1	0	1	4
14:15	1	0	0	1	2
14:30	2	1	0	1	4
14:45	1	0	0	0	1
15:00	1	0	0	0	1
15:15	0	1	0	1	2
15:30	1	0	0	1	2
15:45	1	1	0	1	3
16:00	0	0	0	1	1
16:15	1	0	0	0	1
16:30	1	0	0	2	3
16:45	1	0	0	0	1
17:00	0	0	0	0	0
17:15	1	0	0	1	2
17:30	1	0	0	2	3
17:45	0	1	2	6	9
18:00	1	0	2	4	7
18:15	0	0	3	3	6
18:30	0	0	0	5	5
18:45	2	0	0	3	5
19:00	1	0	1	1	3
19:15	1	0	1	3	5
19:30	0	0	1	2	3
19:45	1	0	0	1	2
20:00	1	0	0	1	2
20:15	1	0	0	0	1
20:30	0	0	0	0	0
20:45	2	0	0	1	3
21:00	2	0	0	0	2
21:15	1	0	0	1	2
21:30	0	0	0	0	0
21:45	1	1	0	1	3
22:00	0	0	0	0	0
22:15	1	0	0	1	2
22:30	0	0	0	1	1
22:45	2	0	0	3	5
23:00	0	0	0	0	0
23:15	2	0	0	0	2
23:30	3	0	0	0	3
23:45	2	0	0	1	3
TOTAL	144	13	12	95	264

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	1	0	0	1	2
12:15	3	0	1	1	5
12:30	1	0	1	2	4
12:45	1	1	0	0	2
13:00	3	1	0	0	4
13:15	1	0	0	0	1
13:30	0	0	2	0	2
13:45	2	0	2	0	4
14:00	3	0	0	2	5
14:15	1	0	0	1	2
14:30	4	0	1	1	6
14:45	1	1	0	0	2
15:00	4	1	0	1	6
15:15	0	0	0	0	0
15:30	0	0	0	0	0
15:45	4	0	0	0	4
16:00	2	0	0	0	2
16:15	0	0	0	2	2
16:30	2	0	0	1	3
16:45	2	0	0	0	2
17:00	3	0	0	0	3
17:15	0	0	0	1	1
17:30	1	0	0	0	1
17:45	1	0	0	0	1
18:00	5	0	0	0	5
18:15	6	0	0	1	7
18:30	4	0	0	0	4
18:45	6	0	0	1	7
19:00	5	0	0	0	5
19:15	4	0	0	0	4
19:30	2	0	0	1	3
19:45	3	0	0	1	4
20:00	2	0	0	1	3
20:15	0	0	0	0	0
20:30	1	0	0	1	2
20:45	1	0	0	0	1
21:00	0	0	0	1	1
21:15	0	0	0	2	2
21:30	0	1	0	1	2
21:45	1	0	0	2	3
22:00	0	0	0	0	0
22:15	1	0	0	0	1
22:30	2	0	0	0	2
22:45	1	0	0	1	2
23:00	1	0	0	1	2
23:15	1	0	0	0	1
23:30	0	0	0	1	1
23:45	2	0	0	0	2
TOTAL	142	12	19	91	264



City: Vernon
 Location: 2550 E 28th Street - TOTAL
 Date: 11/25/2020
 Count Type: Driveway Count

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

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



City: Vernon
 Location: 2550 E 28th Street - TOTAL
 Date: 11/25/2020
 Count Type: Driveway Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	1	1	0	1	3
12:15	0	0	0	1	1
12:30	1	0	0	0	1
12:45	2	0	0	0	2
13:00	1	0	0	0	1
13:15	1	0	0	1	2
13:30	1	0	2	2	5
13:45	1	0	0	0	1
14:00	1	1	0	1	3
14:15	0	0	0	0	0
14:30	0	1	0	0	1
14:45	5	1	0	1	7
15:00	1	0	0	0	1
15:15	1	0	0	0	1
15:30	3	0	0	2	5
15:45	1	0	0	1	2
16:00	1	0	0	1	2
16:15	1	0	0	2	3
16:30	0	1	0	3	4
16:45	0	1	0	1	2
17:00	1	0	0	3	4
17:15	0	0	1	3	4
17:30	0	1	1	1	3
17:45	1	1	2	4	8
18:00	1	0	1	1	3
18:15	1	0	0	3	4
18:30	0	0	1	1	2
18:45	1	0	1	4	6
19:00	0	0	0	3	3
19:15	0	1	0	2	3
19:30	0	0	0	1	1
19:45	2	0	1	1	4
20:00	1	0	0	0	1
20:15	1	0	0	0	1
20:30	1	1	0	0	2
20:45	1	0	0	1	2
21:00	1	0	0	0	1
21:15	1	0	0	2	3
21:30	1	0	0	1	2
21:45	0	1	0	0	1
22:00	1	0	0	0	1
22:15	0	0	0	2	2
22:30	0	0	0	0	0
22:45	0	0	1	1	2
23:00	0	0	0	0	0
23:15	1	0	0	1	2
23:30	0	0	0	0	0
23:45	0	0	0	1	1
TOTAL	127	18	13	81	239

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	1	0	2	3
12:15	1	0	0	0	1
12:30	1	0	0	0	1
12:45	0	0	0	0	0
13:00	2	0	0	1	3
13:15	2	0	0	0	2
13:30	0	0	0	0	0
13:45	0	0	1	1	2
14:00	2	0	1	2	5
14:15	0	0	0	0	0
14:30	2	1	0	1	4
14:45	4	1	0	0	5
15:00	0	0	0	0	0
15:15	3	0	0	1	4
15:30	1	0	0	0	1
15:45	3	0	0	0	3
16:00	0	1	0	0	1
16:15	4	0	0	1	5
16:30	2	1	0	0	3
16:45	3	0	0	0	3
17:00	2	0	0	1	3
17:15	4	0	1	1	6
17:30	1	0	0	0	1
17:45	4	0	0	0	4
18:00	6	0	0	0	6
18:15	4	1	0	0	5
18:30	2	0	0	1	3
18:45	2	0	0	0	2
19:00	2	0	0	0	2
19:15	3	0	0	1	4
19:30	4	0	0	0	4
19:45	3	0	0	0	3
20:00	4	0	0	1	5
20:15	2	0	0	0	2
20:30	0	0	0	1	1
20:45	0	0	0	1	1
21:00	1	0	0	0	1
21:15	0	0	0	0	0
21:30	0	1	0	0	1
21:45	2	1	0	1	4
22:00	1	0	0	2	3
22:15	1	0	0	0	1
22:30	0	0	0	1	1
22:45	0	0	0	2	2
23:00	2	1	0	1	4
23:15	0	0	0	0	0
23:30	0	0	0	1	1
23:45	2	0	0	1	3
	130	18	13	82	243



City: Long Beach
 Location: 2250 E. 69th Street
 Date: 3/9/2022
 Count Type: Driveway Classification Count

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

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	0	2	0	0	2
0:15	0	0	0	0	0
0:30	1	0	0	0	1
0:45	0	0	0	0	0
1:00	0	0	0	0	0
1:15	0	0	0	1	1
1:30	0	0	0	0	0
1:45	0	0	0	1	1
2:00	0	0	0	1	1
2:15	0	0	0	0	0
2:30	0	0	0	0	0
2:45	0	0	0	0	0
3:00	0	0	0	0	0
3:15	0	0	0	0	0
3:30	0	0	0	0	0
3:45	1	0	0	0	1
4:00	0	0	0	1	1
4:15	0	0	0	0	0
4:30	0	0	0	1	1
4:45	0	0	0	0	0
5:00	0	0	0	1	1
5:15	1	0	1	0	2
5:30	1	0	0	0	1
5:45	2	0	0	0	2
6:00	1	0	0	1	2
6:15	0	0	0	0	0
6:30	0	0	0	0	0
6:45	1	0	0	1	2
7:00	0	0	0	1	1
7:15	0	0	0	0	0
7:30	0	0	0	0	0
7:45	4	1	0	0	5
8:00	1	0	0	0	1
8:15	1	0	0	5	6
8:30	1	0	0	1	2
8:45	0	0	1	1	2
9:00	2	0	0	0	2
9:15	1	0	0	1	2
9:30	0	0	3	1	4
9:45	1	0	0	2	3
10:00	0	0	0	0	0
10:15	0	0	1	0	1
10:30	5	1	0	1	7
10:45	6	0	2	6	14
11:00	1	0	0	0	1
11:15	0	0	0	1	1
11:30	0	0	0	1	1
11:45	0	0	0	0	0



City: Long Beach
 Location: 2250 E. 69th Street
 Date: 3/9/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	1	0	0	0	1
12:15	0	1	0	0	1
12:30	3	0	0	0	3
12:45	1	0	0	0	1
13:00	2	0	0	0	2
13:15	2	0	0	0	2
13:30	0	0	0	0	0
13:45	0	0	0	0	0
14:00	0	0	0	0	0
14:15	0	0	0	0	0
14:30	1	0	0	0	1
14:45	2	0	0	0	2
15:00	0	0	0	0	0
15:15	1	0	0	0	1
15:30	0	0	1	1	2
15:45	1	0	0	0	1
16:00	3	0	0	0	3
16:15	1	0	0	1	2
16:30	0	0	0	0	0
16:45	1	0	0	0	1
17:00	0	0	0	1	1
17:15	0	0	0	1	1
17:30	0	0	0	2	2
17:45	1	0	2	3	6
18:00	0	0	0	1	1
18:15	0	0	0	1	1
18:30	0	0	1	3	4
18:45	0	0	0	3	3
19:00	0	0	0	2	2
19:15	1	1	1	0	3
19:30	0	0	0	2	2
19:45	0	0	0	0	0
20:00	3	0	0	3	6
20:15	1	0	0	0	1
20:30	0	0	1	1	2
20:45	1	0	0	0	1
21:00	0	0	0	0	0
21:15	2	0	0	1	3
21:30	2	0	0	1	3
21:45	0	0	0	0	0
22:00	2	0	0	1	3
22:15	0	0	0	1	1
22:30	1	0	0	0	1
22:45	0	0	0	0	0
23:00	2	0	0	0	2
23:15	1	0	0	0	1
23:30	0	0	0	0	0
23:45	0	0	0	0	0
TOTAL	89	5	9	48	151

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	1	0	0	0	1
12:15	1	0	0	0	1
12:30	1	0	0	0	1
12:45	0	0	0	0	0
13:00	0	0	0	0	0
13:15	1	0	0	0	1
13:30	0	0	0	0	0
13:45	1	0	0	0	1
14:00	0	0	0	0	0
14:15	0	0	0	0	0
14:30	0	1	0	0	1
14:45	2	0	0	0	2
15:00	2	0	0	0	2
15:15	0	0	0	0	0
15:30	1	0	0	0	1
15:45	1	0	1	0	2
16:00	2	0	0	0	2
16:15	2	0	0	0	2
16:30	0	0	0	0	0
16:45	0	0	0	0	0
17:00	0	0	0	0	0
17:15	1	0	0	0	1
17:30	0	0	0	0	0
17:45	3	0	0	0	3
18:00	1	0	0	1	2
18:15	0	0	0	1	1
18:30	4	0	0	0	4
18:45	1	0	0	0	1
19:00	3	0	0	1	4
19:15	7	0	0	0	7
19:30	1	0	0	0	1
19:45	1	0	0	0	1
20:00	2	0	0	0	2
20:15	1	0	0	0	1
20:30	0	0	0	0	0
20:45	1	0	0	1	2
21:00	2	0	0	1	3
21:15	1	0	0	1	2
21:30	6	0	0	3	9
21:45	0	0	0	0	0
22:00	4	0	0	2	6
22:15	1	0	0	2	3
22:30	0	0	0	2	2
22:45	1	0	0	1	2
23:00	0	0	0	0	0
23:15	0	0	0	0	0
23:30	0	0	0	0	0
23:45	1	1	0	0	2
TOTAL	88	6	9	45	148



City: Long Beach
 Location: 2250 E. 69th Street
 Date: 3/10/2022
 Count Type: Driveway Classification Count

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

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



City: Long Beach
 Location: 2250 E. 69th Street
 Date: 3/10/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	1	0	0	0	1
12:15	1	0	0	0	1
12:30	2	0	1	0	3
12:45	3	0	0	0	3
13:00	2	0	0	1	3
13:15	0	0	0	0	0
13:30	1	0	0	0	1
13:45	0	0	0	0	0
14:00	0	0	0	0	0
14:15	0	0	0	0	0
14:30	1	0	0	1	2
14:45	1	0	0	0	1
15:00	0	0	0	0	0
15:15	1	0	0	1	2
15:30	3	0	0	0	3
15:45	0	0	0	1	1
16:00	0	0	0	0	0
16:15	2	0	0	1	3
16:30	0	0	0	0	0
16:45	0	0	0	0	0
17:00	1	0	0	1	2
17:15	0	0	0	2	2
17:30	0	0	0	2	2
17:45	1	0	0	3	4
18:00	0	0	0	1	1
18:15	0	0	1	1	2
18:30	0	0	0	2	2
18:45	1	0	0	6	7
19:00	0	0	0	1	1
19:15	1	0	0	1	2
19:30	0	0	0	1	1
19:45	1	0	0	1	2
20:00	1	0	0	1	2
20:15	1	0	0	0	1
20:30	0	0	1	0	1
20:45	0	0	0	1	1
21:00	1	0	0	0	1
21:15	1	0	0	0	1
21:30	1	0	0	0	1
21:45	2	0	0	1	3
22:00	2	0	0	0	2
22:15	0	0	1	0	1
22:30	0	0	1	0	1
22:45	0	0	0	0	0
23:00	1	0	0	0	1
23:15	0	0	0	0	0
23:30	0	0	0	0	0
23:45	0	0	0	0	0
TOTAL	87	1	8	48	144

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	0	0	0
12:15	1	0	0	1	2
12:30	1	0	0	0	1
12:45	0	0	1	0	1
13:00	2	0	0	0	2
13:15	2	0	0	0	2
13:30	1	0	0	1	2
13:45	1	0	0	0	1
14:00	1	0	0	0	1
14:15	0	0	0	0	0
14:30	0	0	0	0	0
14:45	1	0	0	0	1
15:00	0	0	0	0	0
15:15	1	0	0	0	1
15:30	2	0	0	0	2
15:45	0	0	0	0	0
16:00	0	0	0	0	0
16:15	1	0	0	1	2
16:30	2	0	0	0	2
16:45	0	0	0	0	0
17:00	1	0	0	0	1
17:15	0	0	0	0	0
17:30	0	0	0	1	1
17:45	1	0	0	0	1
18:00	2	0	0	1	3
18:15	2	0	0	0	2
18:30	1	0	0	0	1
18:45	3	0	0	0	3
19:00	3	0	0	0	3
19:15	3	0	0	0	3
19:30	3	0	0	0	3
19:45	1	0	0	0	1
20:00	0	0	0	0	0
20:15	1	0	0	0	1
20:30	1	0	0	0	1
20:45	0	0	0	2	2
21:00	2	0	0	2	4
21:15	4	0	0	0	4
21:30	3	0	0	0	3
21:45	3	0	0	0	3
22:00	1	0	0	3	4
22:15	1	0	0	1	2
22:30	2	0	1	1	4
22:45	0	0	0	0	0
23:00	0	0	0	1	1
23:15	0	0	0	0	0
23:30	0	0	0	1	1
23:45	0	0	1	0	1
TOTAL	85	4	12	46	147



City: Gardena
 Location: 15400 S. Main Street
 Date: 3/9/2022
 Count Type: Driveway Classification Count

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

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



City: Gardena
 Location: 15400 S. Main Street
 Date: 3/9/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	0	0	0
12:15	1	1	0	0	2
12:30	1	0	0	0	1
12:45	3	0	0	0	3
13:00	1	0	0	0	1
13:15	0	0	2	0	2
13:30	2	1	0	0	3
13:45	1	0	0	0	1
14:00	1	0	0	0	1
14:15	0	0	0	1	1
14:30	1	1	0	1	3
14:45	1	1	2	0	4
15:00	1	0	0	0	1
15:15	1	1	0	0	2
15:30	2	1	0	0	3
15:45	3	2	2	0	7
16:00	1	0	0	0	1
16:15	2	1	0	0	3
16:30	3	2	0	0	5
16:45	5	0	0	1	6
17:00	1	1	0	0	2
17:15	0	0	0	0	0
17:30	1	1	1	1	4
17:45	1	1	0	1	3
18:00	0	0	4	1	5
18:15	0	1	1	3	5
18:30	1	0	3	0	4
18:45	1	0	0	1	2
19:00	1	0	1	0	2
19:15	1	1	2	0	4
19:30	3	0	1	0	4
19:45	0	0	0	1	1
20:00	2	0	0	1	3
20:15	0	0	0	0	0
20:30	0	0	0	0	0
20:45	0	1	0	0	1
21:00	0	1	0	1	2
21:15	0	0	0	0	0
21:30	1	0	0	1	2
21:45	2	0	0	0	2
22:00	0	0	0	0	0
22:15	3	0	0	0	3
22:30	2	0	0	0	2
22:45	0	0	0	0	0
23:00	1	0	0	0	1
23:15	1	0	0	0	1
23:30	1	0	0	1	2
23:45	4	0	0	1	5
TOTAL	112	23	27	21	183

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	2	1	3
12:15	0	1	0	0	1
12:30	2	0	0	0	2
12:45	0	1	1	0	2
13:00	1	0	0	0	1
13:15	2	0	1	0	3
13:30	2	0	0	0	2
13:45	0	0	0	0	0
14:00	2	1	0	0	3
14:15	1	0	0	1	2
14:30	4	0	0	0	4
14:45	0	2	0	0	2
15:00	2	0	0	0	2
15:15	0	0	1	0	1
15:30	2	1	0	1	4
15:45	0	1	0	0	1
16:00	3	0	0	0	3
16:15	1	1	0	0	2
16:30	1	0	0	1	2
16:45	0	4	0	0	4
17:00	2	0	0	1	3
17:15	0	0	0	0	0
17:30	2	0	0	0	2
17:45	0	0	0	0	0
18:00	1	1	0	0	2
18:15	2	0	0	0	2
18:30	3	0	0	0	3
18:45	4	0	0	0	4
19:00	6	0	0	0	6
19:15	1	0	0	0	1
19:30	7	0	0	1	8
19:45	6	0	0	0	6
20:00	1	3	0	0	4
20:15	1	0	0	0	1
20:30	1	0	0	0	1
20:45	0	0	0	0	0
21:00	0	0	0	0	0
21:15	0	0	0	0	0
21:30	2	0	0	0	2
21:45	0	0	0	2	2
22:00	4	0	0	0	4
22:15	1	0	0	0	1
22:30	2	0	0	2	4
22:45	0	0	0	0	0
23:00	2	0	0	1	3
23:15	0	0	0	0	0
23:30	0	0	0	0	0
23:45	0	0	0	0	0
TOTAL	114	26	20	26	186



City: Gardena
 Location: 15400 S. Main Street
 Date: 3/10/2022
 Count Type: Driveway Classification Count

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

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



City: Gardena
 Location: 15400 S. Main Street
 Date: 3/10/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	0	0	0
12:15	2	0	0	1	3
12:30	2	0	0	0	2
12:45	2	1	0	0	3
13:00	1	0	0	0	1
13:15	1	0	0	0	1
13:30	2	0	0	0	2
13:45	1	0	0	2	3
14:00	0	0	1	0	1
14:15	1	1	1	0	3
14:30	0	1	0	0	1
14:45	1	0	0	1	2
15:00	2	0	0	1	3
15:15	1	0	0	0	1
15:30	2	0	0	0	2
15:45	4	1	0	0	5
16:00	1	2	0	0	3
16:15	3	1	0	0	4
16:30	2	1	0	1	4
16:45	3	0	0	0	3
17:00	0	0	0	1	1
17:15	0	0	2	3	5
17:30	1	0	1	2	4
17:45	1	0	0	0	1
18:00	1	0	2	3	6
18:15	1	0	3	1	5
18:30	1	0	1	1	3
18:45	0	2	3	0	5
19:00	0	0	0	0	0
19:15	0	0	0	0	0
19:30	1	0	0	0	1
19:45	1	0	0	0	1
20:00	2	0	0	0	2
20:15	1	0	0	0	1
20:30	1	0	0	2	3
20:45	2	0	0	1	3
21:00	1	0	0	0	1
21:15	0	0	0	2	2
21:30	0	0	0	0	0
21:45	3	0	0	0	3
22:00	2	0	0	0	2
22:15	1	0	0	0	1
22:30	0	0	0	0	0
22:45	0	0	0	0	0
23:00	1	0	0	0	1
23:15	1	0	0	1	2
23:30	1	0	0	1	2
23:45	2	0	0	0	2
TOTAL	111	20	19	36	186

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	3	1	0	0	4
12:15	0	0	0	0	0
12:30	3	0	1	2	6
12:45	1	0	0	0	1
13:00	2	0	0	0	2
13:15	1	0	0	0	1
13:30	0	1	0	0	1
13:45	2	0	0	0	2
14:00	2	0	0	1	3
14:15	2	1	0	0	3
14:30	1	0	1	1	3
14:45	1	1	0	0	2
15:00	0	0	0	0	0
15:15	0	0	0	0	0
15:30	1	0	0	0	1
15:45	1	1	2	0	4
16:00	1	0	0	0	1
16:15	1	0	0	0	1
16:30	2	0	0	0	2
16:45	2	0	0	0	2
17:00	3	0	0	0	3
17:15	1	0	0	0	1
17:30	1	1	1	0	3
17:45	3	0	0	0	3
18:00	3	1	1	0	5
18:15	4	0	0	0	4
18:30	1	0	0	0	1
18:45	2	0	0	0	2
19:00	4	0	0	0	4
19:15	2	0	2	0	4
19:30	0	0	0	0	0
19:45	5	0	0	0	5
20:00	1	0	0	0	1
20:15	1	0	0	0	1
20:30	1	0	0	0	1
20:45	0	0	1	0	1
21:00	3	0	0	0	3
21:15	0	0	0	1	1
21:30	2	0	2	0	4
21:45	3	0	0	0	3
22:00	1	0	0	0	1
22:15	0	0	0	1	1
22:30	0	0	0	1	1
22:45	0	0	0	0	0
23:00	1	0	0	0	1
23:15	0	0	0	0	0
23:30	0	0	0	0	0
23:45	0	0	0	0	0
TOTAL	111	17	28	30	186



City: Fontana
 Location: 10661 Etiwanda Avenue
 Date: 3/9/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	0	0	0	0	0
0:15	0	0	1	3	4
0:30	3	0	0	1	4
0:45	2	0	1	1	4
1:00	1	0	0	3	4
1:15	1	0	0	1	2
1:30	5	0	0	3	8
1:45	7	0	0	2	9
2:00	1	0	0	1	2
2:15	2	0	0	2	4
2:30	2	0	0	0	2
2:45	8	0	0	2	10
3:00	1	0	1	1	3
3:15	1	0	1	0	2
3:30	0	0	0	3	3
3:45	3	0	0	0	3
4:00	4	0	0	0	4
4:15	5	0	1	2	8
4:30	3	0	1	0	4
4:45	9	0	1	2	12
5:00	1	0	0	2	3
5:15	3	0	0	4	7
5:30	1	0	0	2	3
5:45	11	1	1	1	14
6:00	6	0	1	0	7
6:15	7	0	1	1	9
6:30	4	0	1	3	8
6:45	10	0	0	1	11
7:00	4	1	0	1	6
7:15	2	1	0	0	3
7:30	5	2	0	0	7
7:45	5	1	0	2	8
8:00	3	2	0	2	7
8:15	2	0	0	2	4
8:30	9	0	0	3	12
8:45	8	1	0	3	12
9:00	6	0	0	2	8
9:15	3	2	0	0	5
9:30	7	1	0	0	8
9:45	5	0	1	3	9
10:00	2	2	1	2	7
10:15	1	0	0	2	3
10:30	6	0	0	1	7
10:45	7	0	1	3	11
11:00	2	1	0	1	4
11:15	6	1	0	4	11
11:30	3	0	0	1	4
11:45	8	0	1	0	9

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



City: Fontana
 Location: 10661 Etiwanda Avenue
 Date: 3/9/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	4	0	0	3	7
12:15	3	1	0	1	5
12:30	4	0	0	0	4
12:45	5	0	0	4	9
13:00	3	1	0	1	5
13:15	4	2	0	3	9
13:30	6	0	1	0	7
13:45	4	1	0	3	8
14:00	1	0	2	1	4
14:15	4	2	0	2	8
14:30	2	0	1	3	6
14:45	5	1	0	2	8
15:00	1	0	0	1	2
15:15	6	0	1	2	9
15:30	6	0	0	0	6
15:45	7	1	0	4	12
16:00	3	0	1	1	5
16:15	2	0	1	1	4
16:30	7	1	1	3	12
16:45	4	1	0	1	6
17:00	1	2	2	5	10
17:15	0	1	1	1	3
17:30	2	0	2	4	8
17:45	3	0	1	5	9
18:00	0	0	1	5	6
18:15	1	0	0	8	9
18:30	2	4	0	9	15
18:45	1	1	2	7	11
19:00	1	0	0	4	5
19:15	1	0	0	6	7
19:30	2	1	0	5	8
19:45	1	1	0	2	4
20:00	1	1	1	5	8
20:15	5	2	0	4	11
20:30	5	0	1	0	6
20:45	1	0	1	1	3
21:00	4	1	0	2	7
21:15	3	0	1	4	8
21:30	1	0	0	1	2
21:45	4	1	0	1	6
22:00	5	0	0	1	6
22:15	1	0	0	4	5
22:30	2	0	0	0	2
22:45	5	0	1	2	8
23:00	2	0	1	2	5
23:15	1	0	0	0	1
23:30	3	0	0	4	7
23:45	2	0	0	2	4
TOTAL	336	42	38	203	619

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	8	0	0	3	11
12:15	6	1	0	2	9
12:30	11	0	0	7	18
12:45	7	0	0	2	9
13:00	2	1	1	0	4
13:15	2	0	0	1	3
13:30	12	1	0	0	13
13:45	4	1	0	6	11
14:00	5	1	0	3	9
14:15	1	0	0	0	1
14:30	2	0	1	4	7
14:45	5	0	1	1	7
15:00	3	3	0	2	8
15:15	5	1	0	1	7
15:30	8	0	0	3	11
15:45	4	1	2	0	7
16:00	2	0	0	2	4
16:15	1	0	0	1	2
16:30	5	0	1	0	6
16:45	2	0	0	1	3
17:00	4	2	0	2	8
17:15	5	0	1	3	9
17:30	5	0	0	2	7
17:45	8	0	0	2	10
18:00	4	1	0	2	7
18:15	5	0	0	4	9
18:30	5	0	0	3	8
18:45	3	0	0	3	6
19:00	11	1	2	5	19
19:15	5	0	0	0	5
19:30	6	0	0	2	8
19:45	6	0	0	1	7
20:00	12	1	1	2	16
20:15	3	1	0	1	5
20:30	9	0	0	2	11
20:45	3	0	0	1	4
21:00	2	0	0	3	5
21:15	1	0	0	1	2
21:30	4	0	0	1	5
21:45	3	0	0	0	3
22:00	4	0	2	0	6
22:15	2	0	0	1	3
22:30	5	0	1	2	8
22:45	5	0	0	3	8
23:00	2	0	1	3	6
23:15	1	0	0	1	2
23:30	9	0	0	3	12
23:45	1	0	0	1	2
	341	43	39	196	619



City: Fontana
 Location: 10661 Etiwanda Avenue
 Date: 3/10/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	0	1	1	3	5
0:15	2	0	0	0	2
0:30	1	0	1	0	2
0:45	2	0	0	1	3
1:00	2	0	0	3	5
1:15	1	0	0	2	3
1:30	4	0	0	3	7
1:45	9	0	0	0	9
2:00	3	0	0	2	5
2:15	1	0	0	1	2
2:30	2	0	0	2	4
2:45	4	0	0	1	5
3:00	3	0	0	1	4
3:15	0	0	0	0	0
3:30	3	0	0	1	4
3:45	6	0	0	3	9
4:00	4	0	1	1	6
4:15	1	0	0	0	1
4:30	5	0	0	2	7
4:45	6	1	0	1	8
5:00	3	0	0	5	8
5:15	5	0	0	0	5
5:30	3	0	0	1	4
5:45	14	0	0	0	14
6:00	4	0	0	1	5
6:15	8	0	0	1	9
6:30	8	0	0	4	12
6:45	6	0	1	2	9
7:00	7	1	3	4	15
7:15	3	0	0	1	4
7:30	2	0	0	1	3
7:45	5	0	0	4	9
8:00	2	0	0	0	2
8:15	2	1	0	0	3
8:30	13	0	0	1	14
8:45	5	1	0	2	8
9:00	3	3	1	0	7
9:15	5	1	0	2	8
9:30	6	0	0	3	9
9:45	5	0	0	2	7
10:00	2	0	0	2	4
10:15	6	4	0	4	14
10:30	4	1	0	0	5
10:45	4	0	0	1	5
11:00	3	1	0	0	4
11:15	5	1	0	0	6
11:30	2	1	0	5	8
11:45	6	1	0	0	7

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
0:00	2	0	0	1	3
0:15	3	0	0	4	7
0:30	12	0	0	10	22
0:45	5	0	0	5	10
1:00	4	0	0	2	6
1:15	2	0	1	1	4
1:30	4	0	0	1	5
1:45	2	0	0	2	4
2:00	2	0	0	3	5
2:15	1	0	0	2	3
2:30	0	0	0	3	3
2:45	0	0	0	1	1
3:00	2	0	0	2	4
3:15	1	0	0	1	2
3:30	0	0	0	3	3
3:45	0	0	0	1	1
4:00	0	0	1	1	2
4:15	1	0	0	0	1
4:30	2	0	0	3	5
4:45	0	0	1	1	2
5:00	0	0	0	1	1
5:15	1	1	0	0	2
5:30	0	0	0	3	3
5:45	0	0	0	0	0
6:00	0	0	1	1	2
6:15	5	0	0	1	6
6:30	1	0	0	2	3
6:45	2	0	1	1	4
7:00	1	1	1	0	3
7:15	3	0	1	4	8
7:30	8	1	0	3	12
7:45	3	1	0	6	10
8:00	1	0	2	4	7
8:15	2	2	1	1	6
8:30	2	0	0	1	3
8:45	5	0	1	3	9
9:00	3	1	0	2	6
9:15	1	1	0	0	2
9:30	2	0	3	3	8
9:45	2	1	2	5	10
10:00	2	0	4	3	9
10:15	3	0	1	5	9
10:30	7	2	0	3	12
10:45	2	2	4	3	11
11:00	2	0	0	3	5
11:15	2	1	0	0	3
11:30	3	1	1	0	5
11:45	3	2	0	5	10



City: Fontana
 Location: 10661 Etiwanda Avenue
 Date: 3/10/2022
 Count Type: Driveway Classification Count

	Entering				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	4	1	0	1	6
12:15	5	0	0	0	5
12:30	3	0	0	1	4
12:45	8	1	0	1	10
13:00	4	0	1	1	6
13:15	5	0	0	2	7
13:30	7	2	1	3	13
13:45	5	1	1	4	11
14:00	2	0	0	1	3
14:15	1	1	0	3	5
14:30	5	0	0	0	5
14:45	4	2	0	4	10
15:00	3	0	0	2	5
15:15	3	2	1	1	7
15:30	7	0	0	1	8
15:45	4	0	1	3	8
16:00	1	0	0	0	1
16:15	2	1	0	1	4
16:30	7	1	1	1	10
16:45	3	0	0	2	5
17:00	4	1	0	2	7
17:15	0	0	0	8	8
17:30	3	1	1	6	11
17:45	2	0	3	4	9
18:00	5	0	0	4	9
18:15	1	1	0	8	10
18:30	1	1	0	5	7
18:45	0	1	0	4	5
19:00	0	0	1	0	1
19:15	2	0	4	4	10
19:30	2	1	1	4	8
19:45	3	0	3	5	11
20:00	3	3	0	5	11
20:15	0	0	1	2	3
20:30	5	1	0	0	6
20:45	4	0	1	3	8
21:00	1	0	0	2	3
21:15	2	1	1	4	8
21:30	3	1	0	2	6
21:45	3	0	0	0	3
22:00	1	0	0	0	1
22:15	3	1	0	0	4
22:30	1	1	1	0	3
22:45	6	0	0	0	6
23:00	4	1	0	0	5
23:15	2	0	0	3	5
23:30	3	0	0	0	3
23:45	0	0	0	3	3
TOTAL	347	45	31	183	606

	Exiting				
	Pass Veh	Large 2 Axle	3 Axle	4+ Axle	Total
12:00	6	1	0	3	10
12:15	5	2	0	4	11
12:30	9	0	0	1	10
12:45	6	0	0	2	8
13:00	5	0	0	2	7
13:15	4	0	0	1	5
13:30	13	1	1	3	18
13:45	10	2	1	3	16
14:00	2	1	1	1	5
14:15	4	1	1	0	6
14:30	7	1	0	1	9
14:45	3	0	1	5	9
15:00	8	1	0	2	11
15:15	2	1	1	0	4
15:30	11	0	0	1	12
15:45	2	0	2	0	4
16:00	5	2	0	2	9
16:15	2	0	2	1	5
16:30	5	0	2	0	7
16:45	4	0	0	0	4
17:00	5	1	0	1	7
17:15	1	0	0	2	3
17:30	0	0	0	0	0
17:45	5	1	0	2	8
18:00	10	0	0	3	13
18:15	4	0	0	2	6
18:30	5	0	0	3	8
18:45	11	0	1	2	14
19:00	1	0	0	0	1
19:15	5	0	0	0	5
19:30	7	0	0	0	7
19:45	3	0	0	3	6
20:00	4	0	0	2	6
20:15	6	0	2	4	12
20:30	6	0	1	1	8
20:45	5	0	0	0	5
21:00	4	0	0	1	5
21:15	3	1	1	0	5
21:30	4	0	1	2	7
21:45	5	0	1	4	10
22:00	3	0	0	2	5
22:15	4	1	0	2	7
22:30	6	0	0	2	8
22:45	3	0	0	3	6
23:00	1	0	0	1	2
23:15	4	0	0	1	5
23:30	7	0	0	1	8
23:45	0	0	0	0	0
TOTAL	344	34	45	186	609

**APPENDIX 5.1: OPENING YEAR CUMULATIVE (2024) WITHOUT
PROJECT CONDITIONS INTERSECTION OPERATIONS ANALYSIS
WORKSHEETS**

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Timings

534 Struck Avenue (JN 13101)

1: SR-57 SB Ramps & Katella Av.

10/10/2022



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↵	↵
Traffic Volume (vph)	1175	913	125	0	369
Future Volume (vph)	1175	913	125	0	369
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.3	27.8	23.9	23.9	23.9
Total Split (%)	35.4%	34.8%	29.9%	29.9%	29.9%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	29.2	21.9	12.3	12.3	12.3
Actuated g/C Ratio	0.36	0.27	0.15	0.15	0.15
v/c Ratio	0.85	0.83	0.45	0.52	0.50
Control Delay	28.9	35.8	36.1	11.3	9.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	28.9	35.8	36.1	11.3	9.4
LOS	C	D	D	B	A
Approach Delay	28.9	35.8		16.2	
Approach LOS	C	D		B	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 80
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.85
 Intersection Signal Delay: 29.3
 Intersection LOS: C
 Intersection Capacity Utilization 47.3%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1175	310	0	913	180	0	0	0	125	0	369
Future Volume (veh/h)	0	1175	310	0	913	180	0	0	0	125	0	369
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1826	1752				1841	1900	1826
Adj Flow Rate, veh/h	0	1199	316	0	932	184				85	0	241
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.98	0.98	0.98
Percent Heavy Veh, %	0	5	5	0	5	10				4	0	5
Cap, veh/h	0	2873	757	0	3059	601				219	0	387
Arrive On Green	0.00	0.74	0.74	0.00	0.74	0.74				0.12	0.00	0.12
Sat Flow, veh/h	0	4072	1030	0	4326	818				1753	0	3095
Grp Volume(v), veh/h	0	1020	495	0	743	373				85	0	241
Grp Sat Flow(s),veh/h/ln	0	1662	1614	0	1662	1657				1753	0	1547
Q Serve(g_s), s	0.0	9.4	9.4	0.0	6.1	6.1				3.6	0.0	5.9
Cycle Q Clear(g_c), s	0.0	9.4	9.4	0.0	6.1	6.1				3.6	0.0	5.9
Prop In Lane	0.00		0.64	0.00		0.49				1.00		1.00
Lane Grp Cap(c), veh/h	0	2443	1187	0	2443	1218				219	0	387
V/C Ratio(X)	0.00	0.42	0.42	0.00	0.30	0.31				0.39	0.00	0.62
Avail Cap(c_a), veh/h	0	2443	1187	0	2443	1218				397	0	700
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.58	0.58				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	4.0	4.0	0.0	3.6	3.6				32.2	0.0	33.2
Incr Delay (d2), s/veh	0.0	0.1	0.2	0.0	0.2	0.4				1.1	0.0	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.9	1.9	0.0	1.3	1.3				1.5	0.0	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	4.2	4.3	0.0	3.8	4.0				33.3	0.0	34.9
LnGrp LOS	A	A	A	A	A	A				C	A	C
Approach Vol, veh/h		1515			1116							326
Approach Delay, s/veh		4.2			3.9							34.5
Approach LOS		A			A							C
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		64.2		15.8		64.2						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.9		18.1		22.4						
Max Q Clear Time (g_c+I1), s		11.4		7.9		8.1						
Green Ext Time (p_c), s		7.2		0.8		6.1						

Intersection Summary

HCM 6th Ctrl Delay	7.4
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↙	↙	↔	↗
Traffic Volume (vph)	798	705	117	388	0	507
Future Volume (vph)	798	705	117	388	0	507
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	22.0	22.0	30.0	30.0	30.0
Total Split (%)	35.0%	27.5%	27.5%	37.5%	37.5%	37.5%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	26.2	16.4	16.4	20.8	20.8	20.8
Actuated g/C Ratio	0.33	0.20	0.20	0.26	0.26	0.26
v/c Ratio	0.58	0.76	0.31	0.75	0.61	0.50
Control Delay	11.0	35.5	7.9	37.8	15.7	6.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	11.0	35.5	7.9	37.8	15.7	6.0
LOS	B	D	A	D	B	A
Approach Delay	11.0	31.6			20.2	
Approach LOS	B	C			C	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 65
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 19.4
 Intersection Capacity Utilization 48.6%
 Analysis Period (min) 15
 Intersection LOS: B
 ICU Level of Service A

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	798	503	0	705	117	388	0	507	0	0	0
Future Volume (veh/h)	0	798	503	0	705	117	388	0	507	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1781	1752	1870	1900	1826			
Adj Flow Rate, veh/h	0	840	529	0	742	123	506	0	209			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	5	5	0	8	10	2	0	5			
Cap, veh/h	0	3991	1018	0	3281	981	660	0	287			
Arrive On Green	0.00	0.67	0.67	0.00	0.67	0.67	0.19	0.00	0.19			
Sat Flow, veh/h	0	6263	1509	0	5024	1454	3563	0	1547			
Grp Volume(v), veh/h	0	840	529	0	742	123	506	0	209			
Grp Sat Flow(s),veh/h/ln	0	1479	1509	0	1621	1454	1781	0	1547			
Q Serve(g_s), s	0.0	4.3	14.0	0.0	4.7	2.4	10.8	0.0	10.2			
Cycle Q Clear(g_c), s	0.0	4.3	14.0	0.0	4.7	2.4	10.8	0.0	10.2			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	3991	1018	0	3281	981	660	0	287			
V/C Ratio(X)	0.00	0.21	0.52	0.00	0.23	0.13	0.77	0.00	0.73			
Avail Cap(c_a), veh/h	0	3991	1018	0	3281	981	1078	0	468			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.47	0.47	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	4.9	6.5	0.0	5.0	4.6	30.9	0.0	30.7			
Incr Delay (d2), s/veh	0.0	0.1	0.9	0.0	0.0	0.1	1.9	0.0	3.5			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	1.0	3.4	0.0	1.1	0.5	4.5	0.0	3.8			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	5.0	7.4	0.0	5.0	4.7	32.8	0.0	34.2			
LnGrp LOS	A	A	A	A	A	A	C	A	C			
Approach Vol, veh/h		1369			865			715				
Approach Delay, s/veh		5.9			5.0			33.2				
Approach LOS		A			A			C				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		59.4			59.4			20.6				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			16.6			24.2				
Max Q Clear Time (g_c+I1), s		16.0			6.7			12.8				
Green Ext Time (p_c), s		4.3			3.7			2.0				

Intersection Summary

HCM 6th Ctrl Delay	12.3
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.318
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Split Phase, Protected), Rights (Include), Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different traffic movements. Rows include Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and FinalVolume.

Saturation Flow Module: Table with 13 columns. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns. Rows include Vol/Sat and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.473
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with columns for Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module table with columns for Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume, and OvlAdjVol.

Saturation Flow Module table with columns for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with columns for Vol/Sat, OvlAdjV/S, and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.487
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

Volume Module: Table with 12 columns for volume metrics. Rows include Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and FinalVolume.

Saturation Flow Module: Table with 12 columns for saturation flow metrics. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics. Rows include Vol/Sat and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.497
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Table with columns for Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with columns for Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume.

Saturation Flow Module: Table with columns for Sat/Lane, Adjustment, Lanes, Final Sat.

Capacity Analysis Module: Table with columns for Vol/Sat, Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.294
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

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Volume Module: Table with 13 columns for different volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume).

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Saturation Flow Module: Table with 13 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

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Capacity Analysis Module: Table with 13 columns for capacity analysis metrics (Vol/Sat, Crit Moves).

Timings

534 Struck Avenue (JN 13101)

1: SR-57 SB Ramps & Katella Av.

10/10/2022



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↔	↵
Traffic Volume (vph)	1074	1469	424	0	694
Future Volume (vph)	1074	1469	424	0	694
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.0	38.0	24.0	24.0	24.0
Total Split (%)	31.1%	42.2%	26.7%	26.7%	26.7%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	22.6	32.6	18.2	18.2	18.2
Actuated g/C Ratio	0.25	0.36	0.20	0.20	0.20
v/c Ratio	1.18	1.07	1.18	0.68	0.63
Control Delay	121.4	69.6	143.0	12.6	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	121.4	69.6	143.0	12.6	8.5
LOS	F	E	F	B	A
Approach Delay	121.4	69.6		55.7	
Approach LOS	F	E		E	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 140
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.18
 Intersection Signal Delay: 82.9
 Intersection LOS: F
 Intersection Capacity Utilization 73.4%
 ICU Level of Service D
 Analysis Period (min) 15

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1074	329	0	1469	316	0	0	0	424	0	694
Future Volume (veh/h)	0	1074	329	0	1469	316	0	0	0	424	0	694
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1856	1856	0	1841	1870				1900	1900	1900
Adj Flow Rate, veh/h	0	1155	354	0	1580	340				304	0	827
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93				0.93	0.93	0.93
Percent Heavy Veh, %	0	3	3	0	4	2				0	0	0
Cap, veh/h	0	2573	788	0	2791	596				366	0	651
Arrive On Green	0.00	0.67	0.67	0.00	0.67	0.67				0.20	0.00	0.20
Sat Flow, veh/h	0	3988	1171	0	4310	886				1810	0	3220
Grp Volume(v), veh/h	0	1021	488	0	1275	645				304	0	827
Grp Sat Flow(s),veh/h/ln	0	1689	1615	0	1675	1680				1810	0	1610
Q Serve(g_s), s	0.0	12.7	12.7	0.0	18.1	18.3				14.5	0.0	18.2
Cycle Q Clear(g_c), s	0.0	12.7	12.7	0.0	18.1	18.3				14.5	0.0	18.2
Prop In Lane	0.00		0.73	0.00		0.53				1.00		1.00
Lane Grp Cap(c), veh/h	0	2274	1087	0	2256	1131				366	0	651
V/C Ratio(X)	0.00	0.45	0.45	0.00	0.57	0.57				0.83	0.00	1.27
Avail Cap(c_a), veh/h	0	2274	1087	0	2256	1131				366	0	651
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.21	0.21				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	6.9	6.9	0.0	7.8	7.8				34.4	0.0	35.9
Incr Delay (d2), s/veh	0.0	0.1	0.3	0.0	0.2	0.4				14.8	0.0	133.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	3.6	3.5	0.0	5.0	5.2				7.5	0.0	18.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	7.0	7.2	0.0	8.0	8.2				49.3	0.0	169.2
LnGrp LOS	A	A	A	A	A	A				D	A	F
Approach Vol, veh/h		1509			1920						1131	
Approach Delay, s/veh		7.1			8.1						137.0	
Approach LOS		A			A						F	
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		66.0		24.0		66.0						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.6		18.2		32.6						
Max Q Clear Time (g_c+I1), s		14.7		20.2		20.3						
Green Ext Time (p_c), s		5.4		0.0		9.2						

Intersection Summary

HCM 6th Ctrl Delay	39.7
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↶	↶	↷	↷
Traffic Volume (vph)	1172	1396	217	389	0	684
Future Volume (vph)	1172	1396	217	389	0	684
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	32.0	32.0	30.0	30.0	30.0
Total Split (%)	31.1%	35.6%	35.6%	33.3%	33.3%	33.3%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	23.4	26.6	26.6	23.4	23.4	23.4
Actuated g/C Ratio	0.26	0.30	0.30	0.26	0.26	0.26
v/c Ratio	0.81	0.96	0.36	0.90	0.60	0.56
Control Delay	26.4	47.1	5.2	58.8	9.4	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.4	47.1	5.2	58.8	9.4	6.6
LOS	C	D	A	E	A	A
Approach Delay	26.4	41.5			24.6	
Approach LOS	C	D			C	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.96
 Intersection Signal Delay: 31.8
 Intersection LOS: C
 Intersection Capacity Utilization 55.9%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	1172	327	0	1396	217	389	0	684	0	0	0
Future Volume (veh/h)	0	1172	327	0	1396	217	389	0	684	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1870	1856	0	1885	1885	1752	1900	1870			
Adj Flow Rate, veh/h	0	1221	341	0	1454	226	270	0	746			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	2	3	0	1	1	10	0	2			
Cap, veh/h	0	3736	953	0	3173	985	432	0	821			
Arrive On Green	0.00	0.62	0.62	0.00	0.62	0.62	0.26	0.00	0.26			
Sat Flow, veh/h	0	6415	1545	0	5316	1598	1668	0	3170			
Grp Volume(v), veh/h	0	1221	341	0	1454	226	270	0	746			
Grp Sat Flow(s),veh/h/ln	0	1515	1545	0	1716	1598	1668	0	1585			
Q Serve(g_s), s	0.0	8.7	9.8	0.0	13.6	5.7	12.9	0.0	20.5			
Cycle Q Clear(g_c), s	0.0	8.7	9.8	0.0	13.6	5.7	12.9	0.0	20.5			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	3736	953	0	3173	985	432	0	821			
V/C Ratio(X)	0.00	0.33	0.36	0.00	0.46	0.23	0.62	0.00	0.91			
Avail Cap(c_a), veh/h	0	3736	953	0	3173	985	449	0	852			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.09	0.09	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	8.3	8.5	0.0	9.2	7.7	29.5	0.0	32.3			
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.0	0.1	0.1	2.6	0.0	13.2			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.4	2.8	0.0	4.3	1.7	5.1	0.0	8.8			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	8.3	8.6	0.0	9.3	7.8	32.0	0.0	45.6			
LnGrp LOS	A	A	A	A	A	A	C	A	D			
Approach Vol, veh/h		1562			1680			1016				
Approach Delay, s/veh		8.4			9.1			42.0				
Approach LOS		A			A			D				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		60.9			60.9			29.1				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			26.6			24.2				
Max Q Clear Time (g_c+I1), s		11.8			15.6			22.5				
Green Ext Time (p_c), s		7.0			7.3			0.8				

Intersection Summary

HCM 6th Ctrl Delay	16.7
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.452
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for various volume and adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow factors like Sat/Lane, Adjustment, Lanes, Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity analysis factors like Vol/Sat, Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.527
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Protected), Rights (Ovl/Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for volume metrics. Rows include Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume, and OvlAdjVol.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow metrics. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics. Rows include Vol/Sat, OvlAdjV/S, and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.483
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for various volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, Final Volume).

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics (Vol/Sat, Crit Moves).

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.693
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: B

Approach: North Bound South Bound East Bound West Bound
Movement: L - T - R L - T - R L - T - R L - T - R

Control: Split Phase Split Phase Protected Protected
Rights: Include Include Include Include
Min. Green: 0 0 0 0 0 0 0 0 0 0 0 0
Y+R: 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0
Lanes: 1 0 1 1 0 1 0 2 0 1 1 0 2 1 0 1 0 3 0 1

Volume Module:
Base Vol: 81 269 201 250 217 166 95 944 43 96 1339 139
Growth Adj: 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04 1.04
Initial Bse: 84 280 209 260 226 173 99 982 45 100 1393 145
Added Vol: 5 9 5 12 8 6 6 3 2 3 1 12
PasserByVol: 0 0 0 0 0 0 0 0 0 0 0 0
Initial Fut: 89 289 214 272 234 179 105 985 47 103 1394 157
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 89 289 214 272 234 179 105 985 47 103 1394 157
Reduct Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Reduced Vol: 89 289 214 272 234 179 105 985 47 103 1394 157
PCE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
MLF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
FinalVolume: 89 289 214 272 234 179 105 985 47 103 1394 157

Saturation Flow Module:
Sat/Lane: 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700
Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 1.15 0.85 1.00 2.00 1.00 1.00 2.86 0.14 1.00 3.00 1.00
Final Sat.: 1700 1953 1447 1700 3400 1700 1700 4869 231 1700 5100 1700

Capacity Analysis Module:
Vol/Sat: 0.05 0.15 0.15 0.16 0.07 0.11 0.06 0.20 0.20 0.06 0.27 0.09
Crit Moves: **** **** **** ****

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.302
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for various volume metrics like Base Vol, Growth Adj, Initial Bse, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow metrics like Sat/Lane, Adjustment, Lanes, Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics like Vol/Sat, Crit Moves.

**APPENDIX 5.2: OPENING YEAR CUMULATIVE (2024) WITH PROJECT
CONDITIONS INTERSECTION OPERATIONS ANALYSIS WORKSHEETS**

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Timings

534 Struck Avenue (JN 13101)

1: SR-57 SB Ramps & Katella Av.

10/10/2022



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↵	↵
Traffic Volume (vph)	1175	913	128	0	369
Future Volume (vph)	1175	913	128	0	369
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.3	27.8	23.9	23.9	23.9
Total Split (%)	35.4%	34.8%	29.9%	29.9%	29.9%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	29.1	21.9	12.4	12.4	12.4
Actuated g/C Ratio	0.36	0.27	0.16	0.16	0.16
v/c Ratio	0.85	0.83	0.46	0.52	0.50
Control Delay	29.1	35.7	36.2	11.2	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	29.1	35.7	36.2	11.2	9.3
LOS	C	D	D	B	A
Approach Delay	29.1	35.7		16.3	
Approach LOS	C	D		B	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 80
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.85
 Intersection Signal Delay: 29.4
 Intersection LOS: C
 Intersection Capacity Utilization 47.3%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1175	310	0	913	184	0	0	0	128	0	369
Future Volume (veh/h)	0	1175	310	0	913	184	0	0	0	128	0	369
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1826	1752				1841	1900	1826
Adj Flow Rate, veh/h	0	1199	316	0	932	188				87	0	242
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98				0.98	0.98	0.98
Percent Heavy Veh, %	0	5	5	0	5	10				4	0	5
Cap, veh/h	0	2873	757	0	3046	612				219	0	387
Arrive On Green	0.00	0.74	0.74	0.00	0.74	0.74				0.12	0.00	0.12
Sat Flow, veh/h	0	4072	1030	0	4309	833				1753	0	3095
Grp Volume(v), veh/h	0	1020	495	0	747	373				87	0	242
Grp Sat Flow(s),veh/h/ln	0	1662	1614	0	1662	1654				1753	0	1547
Q Serve(g_s), s	0.0	9.4	9.4	0.0	6.1	6.2				3.7	0.0	5.9
Cycle Q Clear(g_c), s	0.0	9.4	9.4	0.0	6.1	6.2				3.7	0.0	5.9
Prop In Lane	0.00		0.64	0.00		0.50				1.00		1.00
Lane Grp Cap(c), veh/h	0	2443	1187	0	2443	1216				219	0	387
V/C Ratio(X)	0.00	0.42	0.42	0.00	0.31	0.31				0.40	0.00	0.63
Avail Cap(c_a), veh/h	0	2443	1187	0	2443	1216				397	0	700
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.57	0.57				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	4.0	4.1	0.0	3.6	3.6				32.2	0.0	33.2
Incr Delay (d2), s/veh	0.0	0.1	0.2	0.0	0.2	0.4				1.2	0.0	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.9	1.9	0.0	1.3	1.4				1.5	0.0	2.2
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	4.2	4.3	0.0	3.8	4.0				33.4	0.0	34.9
LnGrp LOS	A	A	A	A	A	A				C	A	C
Approach Vol, veh/h		1515			1120						329	
Approach Delay, s/veh		4.2			3.9						34.5	
Approach LOS		A			A						C	
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		64.2		15.8		64.2						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.9		18.1		22.4						
Max Q Clear Time (g_c+I1), s		11.4		7.9		8.2						
Green Ext Time (p_c), s		7.2		0.8		6.1						

Intersection Summary

HCM 6th Ctrl Delay	7.4
HCM 6th LOS	A

Notes

User approved volume balancing among the lanes for turning movement.

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↶	↶	↷	↷
Traffic Volume (vph)	801	709	120	388	0	511
Future Volume (vph)	801	709	120	388	0	511
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	22.0	22.0	30.0	30.0	30.0
Total Split (%)	35.0%	27.5%	27.5%	37.5%	37.5%	37.5%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	26.2	16.4	16.4	20.8	20.8	20.8
Actuated g/C Ratio	0.33	0.20	0.20	0.26	0.26	0.26
v/c Ratio	0.58	0.76	0.32	0.75	0.61	0.51
Control Delay	11.2	35.5	8.0	37.8	15.7	6.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	11.2	35.5	8.0	37.8	15.7	6.0
LOS	B	D	A	D	B	A
Approach Delay	11.2	31.5			20.2	
Approach LOS	B	C			C	

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 80
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 65
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 19.4
 Intersection LOS: B
 Intersection Capacity Utilization 48.8%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	801	503	0	709	120	388	0	511	0	0	0
Future Volume (veh/h)	0	801	503	0	709	120	388	0	511	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		0.98	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1826	1826	0	1781	1752	1870	1900	1826			
Adj Flow Rate, veh/h	0	843	529	0	746	126	507	0	212			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	0	5	5	0	8	10	2	0	5			
Cap, veh/h	0	3989	1018	0	3279	980	662	0	287			
Arrive On Green	0.00	0.67	0.67	0.00	0.67	0.67	0.19	0.00	0.19			
Sat Flow, veh/h	0	6263	1509	0	5024	1454	3563	0	1547			
Grp Volume(v), veh/h	0	843	529	0	746	126	507	0	212			
Grp Sat Flow(s),veh/h/ln	0	1479	1509	0	1621	1454	1781	0	1547			
Q Serve(g_s), s	0.0	4.3	14.1	0.0	4.7	2.5	10.8	0.0	10.3			
Cycle Q Clear(g_c), s	0.0	4.3	14.1	0.0	4.7	2.5	10.8	0.0	10.3			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	3989	1018	0	3279	980	662	0	287			
V/C Ratio(X)	0.00	0.21	0.52	0.00	0.23	0.13	0.77	0.00	0.74			
Avail Cap(c_a), veh/h	0	3989	1018	0	3279	980	1078	0	468			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.46	0.46	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	5.0	6.5	0.0	5.0	4.6	30.9	0.0	30.7			
Incr Delay (d2), s/veh	0.0	0.1	0.9	0.0	0.0	0.1	1.9	0.0	3.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	1.0	3.4	0.0	1.2	0.6	4.5	0.0	3.9			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	5.0	7.4	0.0	5.0	4.7	32.8	0.0	34.4			
LnGrp LOS	A	A	A	A	A	A	C	A	C			
Approach Vol, veh/h		1372			872			719				
Approach Delay, s/veh		5.9			5.0			33.3				
Approach LOS		A			A			C				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		59.3			59.3			20.7				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			16.6			24.2				
Max Q Clear Time (g_c+I1), s		16.1			6.7			12.8				
Green Ext Time (p_c), s		4.3			3.7			2.1				

Intersection Summary

HCM 6th Ctrl Delay	12.3
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.320
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for various volume metrics like Base Vol, Growth Adj, Initial Bse, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow metrics like Sat/Lane, Adjustment, Lanes, Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity metrics like Vol/Sat, Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.474
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with columns for Approach (North Bound, South Bound, East Bound, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume, OvlAdjVol).

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics (Vol/Sat, OvlAdjV/S, Crit Moves).

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.488
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume).

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics (Vol/Sat, Crit Moves).

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.502
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for different volume metrics and 12 rows for various adjustment factors like Base Vol, Growth Adj, etc.

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow metrics and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics and 2 rows for Vol/Sat and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.296
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 17 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for different traffic movements. Rows include Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Volume.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for different traffic movements. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for different traffic movements. Rows include Vol/Sat and Crit Moves.

Intersection						
Int Delay, s/veh	0.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	93	8	0	62	8	0
Future Vol, veh/h	93	8	0	62	8	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	101	9	0	67	9	0

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	110	0	173
Stage 1	-	-	-	-	106
Stage 2	-	-	-	-	67
Critical Hdwy	-	-	4.1	-	6.4
Critical Hdwy Stg 1	-	-	-	-	5.4
Critical Hdwy Stg 2	-	-	-	-	5.4
Follow-up Hdwy	-	-	2.2	-	3.5
Pot Cap-1 Maneuver	-	-	1493	-	822
Stage 1	-	-	-	-	923
Stage 2	-	-	-	-	961
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1493	-	822
Mov Cap-2 Maneuver	-	-	-	-	822
Stage 1	-	-	-	-	923
Stage 2	-	-	-	-	961

Approach	EB	WB	NB
HCM Control Delay, s	0	0	9.4
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	822	-	-	1493	-
HCM Lane V/C Ratio	0.011	-	-	-	-
HCM Control Delay (s)	9.4	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection						
Int Delay, s/veh	3.9					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	T			T		T
Traffic Vol, veh/h	6	5	5	0	0	17
Future Vol, veh/h	6	5	5	0	0	17
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	7	5	5	0	0	18

Major/Minor	Minor2	Major1		Major2	
Conflicting Flow All	19	9	18	0	0
Stage 1	9	-	-	-	-
Stage 2	10	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-
Pot Cap-1 Maneuver	1004	1079	1612	-	-
Stage 1	1019	-	-	-	-
Stage 2	1018	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	1001	1079	1612	-	-
Mov Cap-2 Maneuver	1001	-	-	-	-
Stage 1	1016	-	-	-	-
Stage 2	1018	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.5	7.2	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1612	-	1035	-	-
HCM Lane V/C Ratio	0.003	-	0.012	-	-
HCM Control Delay (s)	7.2	0	8.5	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

Timings
1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)
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Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Configurations	↑↑↑	↑↑↑	↵	↔	↵
Traffic Volume (vph)	1074	1469	428	0	694
Future Volume (vph)	1074	1469	428	0	694
Turn Type	NA	NA	Split	NA	Perm
Protected Phases	2	6	4	4	
Permitted Phases					4
Detector Phase	2	6	4	4	4
Switch Phase					
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	23.4	27.4	23.8	23.8	23.8
Total Split (s)	28.0	38.0	24.0	24.0	24.0
Total Split (%)	31.1%	42.2%	26.7%	26.7%	26.7%
Yellow Time (s)	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.8	5.8	5.8
Lead/Lag					
Lead-Lag Optimize?					
Recall Mode	None	C-Min	None	None	None
Act Effct Green (s)	22.6	32.6	18.2	18.2	18.2
Actuated g/C Ratio	0.25	0.36	0.20	0.20	0.20
v/c Ratio	1.18	1.07	1.20	0.68	0.63
Control Delay	121.4	70.2	147.2	12.6	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	121.4	70.2	147.2	12.6	8.5
LOS	F	E	F	B	A
Approach Delay	121.4	70.2		57.5	
Approach LOS	F	E		E	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 6:WBT, Start of Yellow, Master Intersection
 Natural Cycle: 140
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.20
 Intersection Signal Delay: 83.5
 Intersection Capacity Utilization 73.5%
 Analysis Period (min) 15
 Intersection LOS: F
 ICU Level of Service D

Splits and Phases: 1: SR-57 SB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 1: SR-57 SB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑			↑↑↑					↑	↔	↑
Traffic Volume (veh/h)	0	1074	329	0	1469	319	0	0	0	428	0	694
Future Volume (veh/h)	0	1074	329	0	1469	319	0	0	0	428	0	694
Initial Q (Qb), veh	0	0	0	0	0	0				0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00				1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Work Zone On Approach		No			No						No	
Adj Sat Flow, veh/h/ln	0	1856	1856	0	1841	1870				1900	1900	1900
Adj Flow Rate, veh/h	0	1155	354	0	1580	343				307	0	829
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93				0.93	0.93	0.93
Percent Heavy Veh, %	0	3	3	0	4	2				0	0	0
Cap, veh/h	0	2573	788	0	2786	600				366	0	651
Arrive On Green	0.00	0.67	0.67	0.00	0.67	0.67				0.20	0.00	0.20
Sat Flow, veh/h	0	3988	1171	0	4303	892				1810	0	3220
Grp Volume(v), veh/h	0	1021	488	0	1277	646				307	0	829
Grp Sat Flow(s),veh/h/ln	0	1689	1615	0	1675	1679				1810	0	1610
Q Serve(g_s), s	0.0	12.7	12.7	0.0	18.1	18.4				14.7	0.0	18.2
Cycle Q Clear(g_c), s	0.0	12.7	12.7	0.0	18.1	18.4				14.7	0.0	18.2
Prop In Lane	0.00		0.73	0.00		0.53				1.00		1.00
Lane Grp Cap(c), veh/h	0	2274	1087	0	2256	1130				366	0	651
V/C Ratio(X)	0.00	0.45	0.45	0.00	0.57	0.57				0.84	0.00	1.27
Avail Cap(c_a), veh/h	0	2274	1087	0	2256	1130				366	0	651
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00				1.00	1.00	1.00
Upstream Filter(I)	0.00	1.00	1.00	0.00	0.21	0.21				1.00	0.00	1.00
Uniform Delay (d), s/veh	0.0	6.9	6.9	0.0	7.8	7.8				34.5	0.0	35.9
Incr Delay (d2), s/veh	0.0	0.1	0.3	0.0	0.2	0.4				15.7	0.0	134.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	3.6	3.5	0.0	5.1	5.2				7.6	0.0	18.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	7.0	7.2	0.0	8.0	8.2				50.2	0.0	170.5
LnGrp LOS	A	A	A	A	A	A				D	A	F
Approach Vol, veh/h		1509			1923						1136	
Approach Delay, s/veh		7.1			8.1						138.0	
Approach LOS		A			A						F	
Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		66.0		24.0		66.0						
Change Period (Y+Rc), s		5.4		5.8		5.4						
Max Green Setting (Gmax), s		22.6		18.2		32.6						
Max Q Clear Time (g_c+I1), s		14.7		20.2		20.4						
Green Ext Time (p_c), s		5.4		0.0		9.1						

Intersection Summary

HCM 6th Ctrl Delay	40.1
HCM 6th LOS	D

Notes

User approved volume balancing among the lanes for turning movement.

Timings
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Configurations	↑↑↑↑	↑↑↑	↗	↖	↕	↗
Traffic Volume (vph)	1176	1399	219	389	0	688
Future Volume (vph)	1176	1399	219	389	0	688
Turn Type	NA	NA	Perm	Split	NA	Perm
Protected Phases	2	6		8	8	
Permitted Phases			6			8
Detector Phase	2	6	6	8	8	8
Switch Phase						
Minimum Initial (s)	10.0	10.0	10.0	10.0	10.0	10.0
Minimum Split (s)	27.4	15.4	15.4	15.8	15.8	15.8
Total Split (s)	28.0	32.0	32.0	30.0	30.0	30.0
Total Split (%)	31.1%	35.6%	35.6%	33.3%	33.3%	33.3%
Yellow Time (s)	4.4	4.4	4.4	4.8	4.8	4.8
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)	5.4	5.4	5.4	5.8	5.8	5.8
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	C-Min	None	None	None	None	None
Act Effct Green (s)	23.4	26.6	26.6	23.4	23.4	23.4
Actuated g/C Ratio	0.26	0.30	0.30	0.26	0.26	0.26
v/c Ratio	0.81	0.96	0.36	0.90	0.60	0.57
Control Delay	26.6	47.5	5.2	58.8	9.4	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.6	47.5	5.2	58.8	9.4	6.6
LOS	C	D	A	E	A	A
Approach Delay	26.6	41.8			24.5	
Approach LOS	C	D			C	

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 90
 Offset: 0 (0%), Referenced to phase 2:EBT, Start of Yellow
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.96
 Intersection Signal Delay: 31.9
 Intersection LOS: C
 Intersection Capacity Utilization 56.1%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 2: SR-57 NB Ramps & Katella Av.



HCM 6th Signalized Intersection Summary
 2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑↑↑			↑↑↑	↑	↑	↑	↑			
Traffic Volume (veh/h)	0	1176	327	0	1399	219	389	0	688	0	0	0
Future Volume (veh/h)	0	1176	327	0	1399	219	389	0	688	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach		No			No			No				
Adj Sat Flow, veh/h/ln	0	1870	1856	0	1885	1885	1752	1900	1870			
Adj Flow Rate, veh/h	0	1225	341	0	1457	228	270	0	751			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	2	3	0	1	1	10	0	2			
Cap, veh/h	0	3730	951	0	3168	983	434	0	824			
Arrive On Green	0.00	0.62	0.62	0.00	0.62	0.62	0.26	0.00	0.26			
Sat Flow, veh/h	0	6415	1545	0	5316	1598	1668	0	3170			
Grp Volume(v), veh/h	0	1225	341	0	1457	228	270	0	751			
Grp Sat Flow(s),veh/h/ln	0	1515	1545	0	1716	1598	1668	0	1585			
Q Serve(g_s), s	0.0	8.8	9.8	0.0	13.7	5.8	12.9	0.0	20.7			
Cycle Q Clear(g_c), s	0.0	8.8	9.8	0.0	13.7	5.8	12.9	0.0	20.7			
Prop In Lane	0.00		1.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	0	3730	951	0	3168	983	434	0	824			
V/C Ratio(X)	0.00	0.33	0.36	0.00	0.46	0.23	0.62	0.00	0.91			
Avail Cap(c_a), veh/h	0	3730	951	0	3168	983	449	0	852			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.00	0.09	0.09	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	0.0	8.3	8.5	0.0	9.3	7.8	29.4	0.0	32.3			
Incr Delay (d2), s/veh	0.0	0.0	0.1	0.0	0.1	0.1	2.5	0.0	13.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.0	2.4	2.8	0.0	4.3	1.7	5.1	0.0	8.9			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	0.0	8.4	8.6	0.0	9.4	7.9	31.9	0.0	45.9			
LnGrp LOS	A	A	A	A	A	A	C	A	D			
Approach Vol, veh/h		1566			1685			1021				
Approach Delay, s/veh		8.4			9.2			42.2				
Approach LOS		A			A			D				
Timer - Assigned Phs		2			6			8				
Phs Duration (G+Y+Rc), s		60.8			60.8			29.2				
Change Period (Y+Rc), s		5.4			5.4			5.8				
Max Green Setting (Gmax), s		22.6			26.6			24.2				
Max Q Clear Time (g_c+I1), s		11.8			15.7			22.7				
Green Ext Time (p_c), s		7.0			7.3			0.7				

Intersection Summary

HCM 6th Ctrl Delay	16.8
HCM 6th LOS	B

Notes

User approved volume balancing among the lanes for turning movement.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Struck & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.453
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Split Phase, Protected), Rights (Include), Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different traffic movements and 13 rows for various volume metrics like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module: Table with 13 columns for movements and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns for movements and 2 rows for Vol/Sat and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Main & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.528
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Protected), Rights (Ovl/Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 12 columns for volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume, OvlAdjVol).

-----|-----|-----|-----|

Saturation Flow Module: Table with 12 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

-----|-----|-----|-----|

Capacity Analysis Module: Table with 12 columns for capacity analysis metrics (Vol/Sat, OvlAdjV/S, Crit Moves).

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #5 Main & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.483
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 23 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for volume metrics (Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, FinalVolume).

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.).

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics (Vol/Sat, Crit Moves).

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Batavia & Katella

Cycle (sec): 100 Critical Vol./Cap.(X): 0.694
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: B

Table with columns for Approach (North, South, East, West Bound) and Movement (L, T, R). Rows include Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module table with columns for Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Volume.

Saturation Flow Module table with columns for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with columns for Vol/Sat and Crit Moves.

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Batavia & Struck

Cycle (sec): 100 Critical Vol./Cap.(X): 0.314
Loss Time (sec): 5 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

-----|-----|-----|-----|

Volume Module: Table with 13 columns for various volume metrics (Base Vol, Growth Adj, Initial Bse, etc.) across four bound directions.

-----|-----|-----|-----|

Saturation Flow Module: Table with 13 columns for saturation flow metrics (Sat/Lane, Adjustment, Lanes, Final Sat.) across four bound directions.

-----|-----|-----|-----|

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics (Vol/Sat, Crit Moves) across four bound directions.

Intersection						
Int Delay, s/veh	0.9					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	23	8	0	15	5	0
Future Vol, veh/h	23	8	0	15	5	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	25	9	0	16	5	0

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	34	0	46
Stage 1	-	-	-	-	30
Stage 2	-	-	-	-	16
Critical Hdwy	-	-	4.1	-	6.4
Critical Hdwy Stg 1	-	-	-	-	5.4
Critical Hdwy Stg 2	-	-	-	-	5.4
Follow-up Hdwy	-	-	2.2	-	3.5
Pot Cap-1 Maneuver	-	-	1591	-	969
Stage 1	-	-	-	-	998
Stage 2	-	-	-	-	1012
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1591	-	969
Mov Cap-2 Maneuver	-	-	-	-	969
Stage 1	-	-	-	-	998
Stage 2	-	-	-	-	1012

Approach	EB	WB	NB
HCM Control Delay, s	0	0	8.7
HCM LOS			A

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	969	-	-	1591	-
HCM Lane V/C Ratio	0.006	-	-	-	-
HCM Control Delay (s)	8.7	-	-	0	-
HCM Lane LOS	A	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-

Intersection						
Int Delay, s/veh	6					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	17	6	4	0	0	11
Future Vol, veh/h	17	6	4	0	0	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	0	0	0	0	0	0
Mvmt Flow	18	7	4	0	0	12

Major/Minor	Minor2	Major1		Major2	
Conflicting Flow All	14	6	12	0	0
Stage 1	6	-	-	-	-
Stage 2	8	-	-	-	-
Critical Hdwy	6.4	6.2	4.1	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	2.2	-	-
Pot Cap-1 Maneuver	1010	1083	1620	-	-
Stage 1	1022	-	-	-	-
Stage 2	1020	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	1008	1083	1620	-	-
Mov Cap-2 Maneuver	1008	-	-	-	-
Stage 1	1020	-	-	-	-
Stage 2	1020	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	8.6	7.2	0
HCM LOS	A		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1620	-	1027	-	-
HCM Lane V/C Ratio	0.003	-	0.024	-	-
HCM Control Delay (s)	7.2	0	8.6	-	-
HCM Lane LOS	A	A	A	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

**APPENDIX 5.3: OPENING YEAR CUMULATIVE (2024) WITH PROJECT
CONDITIONS TRAFFIC SIGNAL WARRANT ANALYSIS WORKSHEETS**

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Figure 4C-103 (CA). Traffic Signal Warrants Worksheet (Average Traffic Estimate Form)

<u>DIST</u>	<u>CO</u>	<u>RTE</u>	<u>PM</u>	<u>CALC</u>	<u>TRAFFIC CONDITIONS</u>	<u>2024 WP</u>
Jurisdiction: <u>City of Orange</u>				<u>CS</u>		<u>DATE 12/14/11</u>
Major Street: <u>Struck Av.</u>				<u>CS</u>		<u>DATE 12/14/11</u>
Minor Street: <u>Driveway 1</u>					Critical Approach Speed (Major) <u>25</u> mph	
					Critical Approach Speed (Minor) <u>25</u> mph	
Major Street Approach Lanes =		<u>1</u>	lane	Minor Street Approach Lanes =		<u>1</u> lane
Major Street Future ADT =		<u>2,152</u>	vpd	Minor Street Future ADT =		<u>119</u> vpd
Speed limit or critical speed on major street traffic > 64 km/h (40 mph);						
						or
In built up area of isolated community of < 10,000 population						

URBAN (U)

(Based on Estimated Average Daily Traffic - See Note)

<u>URBAN</u>	<u>RURAL</u>	Minimum Requirements EADT			
XX					
CONDITION A - Minimum Vehicular Volume		Vehicles Per Day on Major Street (Total of Both Approaches)		Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)	
<u>Satisfied</u>		<u>Not Satisfied</u>			
XX					
Number of lanes for moving traffic on each approach		<u>Urban</u>	<u>Rural</u>	<u>Urban</u>	<u>Rural</u>
<u>Major Street</u>	<u>Minor Street</u>				
1 2,152	1 119	8,000	5,600	2,400	1,680
2 +	1	9,600	6,720	2,400	1,680
2 +	2 +	9,600	6,720	3,200	2,240
1	2 +	8,000	5,600	3,200	2,240
CONDITION B - Interruption of Continuous Traffic		Vehicles Per Day on Major Street (Total of Both Approaches)		Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)	
<u>Satisfied</u>		<u>Not Satisfied</u>			
XX					
Number of lanes for moving traffic on each approach		<u>Urban</u>	<u>Rural</u>	<u>Urban</u>	<u>Rural</u>
<u>Major Street</u>	<u>Minor Street</u>				
1 2,152	1 119	12,000	8,400	1,200	850
2 +	1	14,400	10,080	1,200	850
2 +	2 +	14,400	10,080	1,600	1,120
1	2 +	12,000	8,400	1,600	1,120
Combination of CONDITIONS A + B		2 CONDITIONS		2 CONDITIONS	
<u>Satisfied</u>		<u>Not Satisfied</u>			
XX		80%		80%	
No one condition satisfied, but following conditions fulfilled 80% of more					
	<u>A</u>	<u>B</u>			
	5%	10%			

Note: To be used only for NEW INTERSECTIONS or other locations where it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.



Figure 4C-103 (CA). Traffic Signal Warrants Worksheet (Average Traffic Estimate Form)

<u>DIST</u>	<u>CO</u>	<u>RTE</u>	<u>PM</u>	<u>CALC</u>	<u>TRAFFIC CONDITIONS</u>	<u>2024 WP</u>
Jurisdiction: <u>City of Orange</u>				<u>CS</u>		<u>DATE 12/14/11</u>
Major Street: <u>Struck Av.</u>				<u>CS</u>		<u>DATE 12/14/11</u>
Minor Street: <u>Driveway 1</u>					Critical Approach Speed (Major) <u>25</u> mph	
					Critical Approach Speed (Minor) <u>25</u> mph	
Major Street Approach Lanes =		<u>1</u>	lane	Minor Street Approach Lanes =		<u>1</u> lane
Major Street Future ADT =		<u>1,785</u>	vpd	Minor Street Future ADT =		<u>169</u> vpd
Speed limit or critical speed on major street traffic > 64 km/h (40 mph);						
						or
In built up area of isolated community of < 10,000 population						

URBAN (U)

(Based on Estimated Average Daily Traffic - See Note)

<u>URBAN</u>	<u>RURAL</u>	Minimum Requirements EADT			
XX					
CONDITION A - Minimum Vehicular Volume		Vehicles Per Day on Major Street (Total of Both Approaches)		Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)	
<u>Satisfied</u>	<u>Not Satisfied</u>				
	XX	<u>Urban</u>	<u>Rural</u>	<u>Urban</u>	<u>Rural</u>
Number of lanes for moving traffic on each approach	Number of lanes for moving traffic on each approach				
<u>Major Street</u>	<u>Minor Street</u>				
1 1,785	1 169				
2 +	1	8,000	5,600	2,400	1,680
2 +	2 +	9,600	6,720	2,400	1,680
1	2 +	9,600	6,720	3,200	2,240
1	2 +	8,000	5,600	3,200	2,240
CONDITION B - Interruption of Continuous Traffic		Vehicles Per Day on Major Street (Total of Both Approaches)		Vehicles Per Day on Higher-Volume Minor Street Approach (One Direction Only)	
<u>Satisfied</u>	<u>Not Satisfied</u>				
	XX	<u>Urban</u>	<u>Rural</u>	<u>Urban</u>	<u>Rural</u>
Number of lanes for moving traffic on each approach	Number of lanes for moving traffic on each approach				
<u>Major Street</u>	<u>Minor Street</u>				
1 1,785	1 169	12,000	8,400	1,200	850
2 +	1	14,400	10,080	1,200	850
2 +	2 +	14,400	10,080	1,600	1,120
1	2 +	12,000	8,400	1,600	1,120
Combination of CONDITIONS A + B		2 CONDITIONS 80%		2 CONDITIONS 80%	
<u>Satisfied</u>	<u>Not Satisfied</u>				
No one condition satisfied, but following conditions fulfilled 80% of more	XX				
	A				
	7%				
	B				
	14%				

Note: To be used only for NEW INTERSECTIONS or other locations where it is not reasonable to count actual traffic volumes.

The satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal.



**APPENDIX 5.4: OPENING YEAR CUMULATIVE (2024) WITHOUT
PROJECT CONDITIONS FREEWAY OFF-RAMP QUEUEING ANALYSIS
WORKSHEETS**

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Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1515	1116	115	194	196
v/c Ratio	0.85	0.83	0.45	0.52	0.50
Control Delay	28.9	35.8	36.1	11.3	9.4
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	28.9	35.8	36.1	11.3	9.4
Queue Length 50th (ft)	232	219	56	6	0
Queue Length 95th (ft)	#379	264	101	63	53
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1790	1369	373	459	482
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.85	0.82	0.31	0.42	0.41

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1369	742	123	326	312	304
v/c Ratio	0.58	0.76	0.31	0.75	0.61	0.50
Control Delay	11.0	35.5	7.9	37.8	15.7	6.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	11.0	35.5	7.9	37.8	15.7	6.0
Queue Length 50th (ft)	160	128	0	151	56	0
Queue Length 95th (ft)	199	170	42	240	140	57
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	2369	1007	398	508	566	653
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	0.58	0.74	0.31	0.64	0.55	0.47

Intersection Summary

Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1509	1920	410	397	395
v/c Ratio	1.18	1.07	1.18	0.68	0.63
Control Delay	121.4	69.6	143.0	12.6	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	121.4	69.6	143.0	12.6	8.5
Queue Length 50th (ft)	~369	~459	~297	24	0
Queue Length 95th (ft)	#465	m#513	#485	127	82
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1275	1794	346	581	625
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.18	1.07	1.18	0.68	0.63

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1562	1454	226	364	376	378
v/c Ratio	0.81	0.96	0.36	0.90	0.60	0.56
Control Delay	26.4	47.1	5.2	58.8	9.4	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.4	47.1	5.2	58.8	9.4	6.6
Queue Length 50th (ft)	230	296	0	207	19	0
Queue Length 95th (ft)	m195	#397	51	#372	107	71
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	1934	1517	631	419	634	680
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	0.81	0.96	0.36	0.87	0.59	0.56

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

**APPENDIX 5.5: OPENING YEAR CUMULATIVE (2024) WITH PROJECT
CONDITIONS FREEWAY OFF-RAMP QUEUING ANALYSIS WORKSHEETS**

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Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1515	1120	118	194	196
v/c Ratio	0.85	0.83	0.46	0.52	0.50
Control Delay	29.1	35.7	36.2	11.2	9.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	29.1	35.7	36.2	11.2	9.3
Queue Length 50th (ft)	233	219	58	6	0
Queue Length 95th (ft)	#381	265	102	63	53
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1785	1370	373	459	482
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.85	0.82	0.32	0.42	0.41

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Queues
2: SR-57 NB Ramps & Katella Av.

534 Struck Avenue (JN 13101)

10/10/2022



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1372	746	126	326	313	307
v/c Ratio	0.58	0.76	0.32	0.75	0.61	0.51
Control Delay	11.2	35.5	8.0	37.8	15.7	6.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	11.2	35.5	8.0	37.8	15.7	6.0
Queue Length 50th (ft)	160	128	0	151	56	0
Queue Length 95th (ft)	199	171	42	240	140	57
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	2364	1009	401	508	567	656
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	0.58	0.74	0.31	0.64	0.55	0.47

Intersection Summary

Queues

1: SR-57 SB Ramps & Katella Av.



Lane Group	EBT	WBT	SBL	SBT	SBR
Lane Group Flow (vph)	1509	1923	414	397	395
v/c Ratio	1.18	1.07	1.20	0.68	0.63
Control Delay	121.4	70.2	147.2	12.6	8.5
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	121.4	70.2	147.2	12.6	8.5
Queue Length 50th (ft)	~369	~460	~303	24	0
Queue Length 95th (ft)	#465	m#513	#490	127	82
Internal Link Dist (ft)	482	851		1480	
Turn Bay Length (ft)			535		535
Base Capacity (vph)	1275	1794	346	581	625
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	1.18	1.07	1.20	0.68	0.63

Intersection Summary

- ~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
- m Volume for 95th percentile queue is metered by upstream signal.



Lane Group	EBT	WBT	WBR	NBL	NBT	NBR
Lane Group Flow (vph)	1566	1457	228	364	378	380
v/c Ratio	0.81	0.96	0.36	0.90	0.60	0.57
Control Delay	26.6	47.5	5.2	58.8	9.4	6.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	26.6	47.5	5.2	58.8	9.4	6.6
Queue Length 50th (ft)	231	297	0	207	19	0
Queue Length 95th (ft)	m195	#398	51	#372	108	71
Internal Link Dist (ft)	851	265			1279	
Turn Bay Length (ft)				515		515
Base Capacity (vph)	1934	1517	633	419	635	682
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	0.81	0.96	0.36	0.87	0.60	0.56

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.