

# ALLIANT ENGINEERING, INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

I-394 North Ramp & Louisiana Ave\_2021  
 City: Golden Valley  
 data by: Alliant Engineering, Inc.  
 TURN MOVEMENT COUNT

File Name : I-394 North Ramp & Louisiana Ave\_2021  
 Site Code : 1735817  
 Start Date : 10/27/2021  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Louisiana Ave Southbound					I-394 North Off Ramp Westbound					Louisiana Ave Northbound					I-394 North On Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
06:00 AM	0	7	6	0	13	17	0	13	0	30	13	14	0	0	27	0	0	0	0	0	70
06:15 AM	0	8	8	0	16	17	0	14	0	31	20	31	0	0	51	0	0	0	0	0	98
06:30 AM	0	23	12	0	35	28	0	29	0	57	28	42	0	0	70	0	0	0	0	0	162
06:45 AM	0	21	14	0	35	53	0	27	0	80	29	47	0	0	76	0	0	0	0	0	191
Total	0	59	40	0	99	115	0	83	0	198	90	134	0	0	224	0	0	0	0	0	521
07:00 AM	0	34	16	0	50	31	0	27	0	58	27	45	0	0	72	0	0	0	0	0	180
07:15 AM	0	36	25	0	61	32	0	43	0	75	37	57	0	0	94	0	0	0	0	0	230
07:30 AM	0	46	39	0	85	61	0	38	0	99	56	63	0	0	119	0	0	0	0	0	303
07:45 AM	0	41	36	0	77	60	0	44	0	104	56	110	0	0	166	0	0	0	0	0	347
Total	0	157	116	0	273	184	0	152	0	336	176	275	0	0	451	0	0	0	0	0	1060
08:00 AM	0	36	54	0	90	63	1	41	1	106	46	100	0	0	146	0	0	0	2	2	344
08:15 AM	0	41	31	0	72	55	0	36	0	91	45	77	0	0	122	0	0	0	1	1	286
08:30 AM	0	40	35	0	75	50	0	41	0	91	28	76	0	0	104	0	0	0	0	0	270
08:45 AM	0	53	42	0	95	68	0	55	0	123	42	104	0	0	146	0	0	0	0	0	364
Total	0	170	162	0	332	236	1	173	1	411	161	357	0	0	518	0	0	0	3	3	1264
09:00 AM	0	45	37	0	82	47	0	49	0	96	31	75	0	0	106	0	0	0	0	0	284
09:15 AM	0	67	40	0	107	48	0	42	0	90	38	70	0	0	108	0	0	0	0	0	305
*** BREAK ***																					
Total	0	112	77	0	189	95	0	91	0	186	69	145	0	0	214	0	0	0	0	0	589
*** BREAK ***																					
10:30 AM	0	61	58	0	119	36	1	45	1	83	38	86	0	0	124	0	0	0	0	0	326
10:45 AM	0	70	50	0	120	36	0	53	0	89	46	69	0	0	115	0	0	0	0	0	324
Total	0	131	108	0	239	72	1	98	1	172	84	155	0	0	239	0	0	0	0	0	650
11:00 AM	0	57	53	0	110	45	0	53	2	100	37	92	0	0	129	0	0	0	0	0	339
11:15 AM	0	56	41	0	97	54	0	51	0	105	48	86	0	0	134	0	0	0	0	0	336
11:30 AM	0	64	56	0	120	47	0	49	0	96	48	84	0	0	132	0	0	0	1	1	349
11:45 AM	0	64	60	0	124	48	0	71	1	120	50	111	0	0	161	0	0	0	0	0	405
Total	0	241	210	0	451	194	0	224	3	421	183	373	0	0	556	0	0	0	1	1	1429
12:00 PM	0	70	58	0	128	65	0	58	0	123	52	99	0	0	151	0	0	0	0	0	402
12:15 PM	0	78	66	0	144	52	1	64	0	117	51	105	0	0	156	0	0	0	0	0	417
12:30 PM	0	91	71	0	162	38	0	56	1	95	47	112	0	0	159	0	0	0	0	0	416
12:45 PM	0	74	77	0	151	63	0	63	4	130	50	106	0	0	156	0	0	0	0	0	437
Total	0	313	272	0	585	218	1	241	5	465	200	422	0	0	622	0	0	0	0	0	1672
*** BREAK ***																					
02:30 PM	0	61	66	0	127	64	0	66	0	130	46	91	0	0	137	0	0	0	0	0	394
02:45 PM	0	67	66	0	133	76	0	51	0	127	60	67	0	0	127	0	0	0	0	0	387
Total	0	128	132	0	260	140	0	117	0	257	106	158	0	0	264	0	0	0	0	0	781
03:00 PM	0	56	82	2	140	50	0	56	1	107	63	85	0	1	149	0	0	0	2	2	398
03:15 PM	0	77	68	0	145	64	0	50	0	114	66	101	0	0	167	0	0	0	2	2	428
03:30 PM	0	64	73	0	137	69	0	58	1	128	89	85	0	0	174	0	0	0	0	0	439
03:45 PM	0	71	67	0	138	76	0	44	2	122	48	87	0	0	135	0	0	0	0	0	395
Total	0	268	290	2	560	259	0	208	4	471	266	358	0	1	625	0	0	0	4	4	1660
04:00 PM	0	73	80	0	153	93	0	43	0	136	78	111	0	0	189	0	0	0	0	0	478
04:15 PM	0	85	63	1	149	82	0	54	0	136	77	92	0	0	169	0	0	0	1	1	455
04:30 PM	0	68	80	0	148	86	0	42	1	129	79	90	0	0	169	0	0	0	2	2	448

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 Site Code : 1735817  
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 Page No : 2

Groups Printed- Cars - Trucks

Start Time	Louisiana Ave Southbound					I-394 North Off Ramp Westbound					Louisiana Ave Northbound					I-394 North On Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:45 PM	0	72	61	0	133	93	0	54	3	150	82	100	0	0	182	0	0	0	2	2	467
Total	0	298	284	1	583	354	0	193	4	551	316	393	0	0	709	0	0	0	5	5	1848
05:00 PM	0	83	57	0	140	119	0	44	3	166	81	97	0	0	178	0	0	0	0	0	484
05:15 PM	0	59	59	0	118	103	0	46	1	150	69	92	0	0	161	0	0	0	1	1	430
05:30 PM	0	57	51	0	108	99	1	41	0	141	85	80	0	0	165	0	0	0	1	1	415
05:45 PM	0	45	55	0	100	91	0	39	0	130	73	63	0	0	136	0	0	0	0	0	366
Total	0	244	222	0	466	412	1	170	4	587	308	332	0	0	640	0	0	0	2	2	1695
06:00 PM	0	61	42	0	103	75	1	40	0	116	63	64	0	0	127	0	0	0	0	0	346
06:15 PM	0	57	56	0	113	83	0	51	0	134	46	71	0	0	117	0	0	0	0	0	364
Grand Total	0	2239	2011	3	4253	2437	5	1841	22	4305	2068	3237	0	1	5306	0	0	0	15	15	13879
Apprch %	0	52.6	47.3	0.1		56.6	0.1	42.8	0.5		39	61	0	0		0	0	0	100		
Total %	0	16.1	14.5	0	30.6	17.6	0	13.3	0.2	31	14.9	23.3	0	0	38.2	0	0	0	0.1	0.1	
Cars	0	2148	1930	3	4081	2341	5	1748	18	4112	1982	3139	0	1	5122	0	0	0	14	14	13329
% Cars	0	95.9	96	100	96	96.1	100	94.9	81.8	95.5	95.8	97	0	100	96.5	0	0	0	93.3	93.3	96
Trucks	0	91	81	0	172	96	0	93	4	193	86	98	0	0	184	0	0	0	1	1	550
% Trucks	0	4.1	4	0	4	3.9	0	5.1	18.2	4.5	4.2	3	0	3.5	0	0	0	6.7	6.7	4	

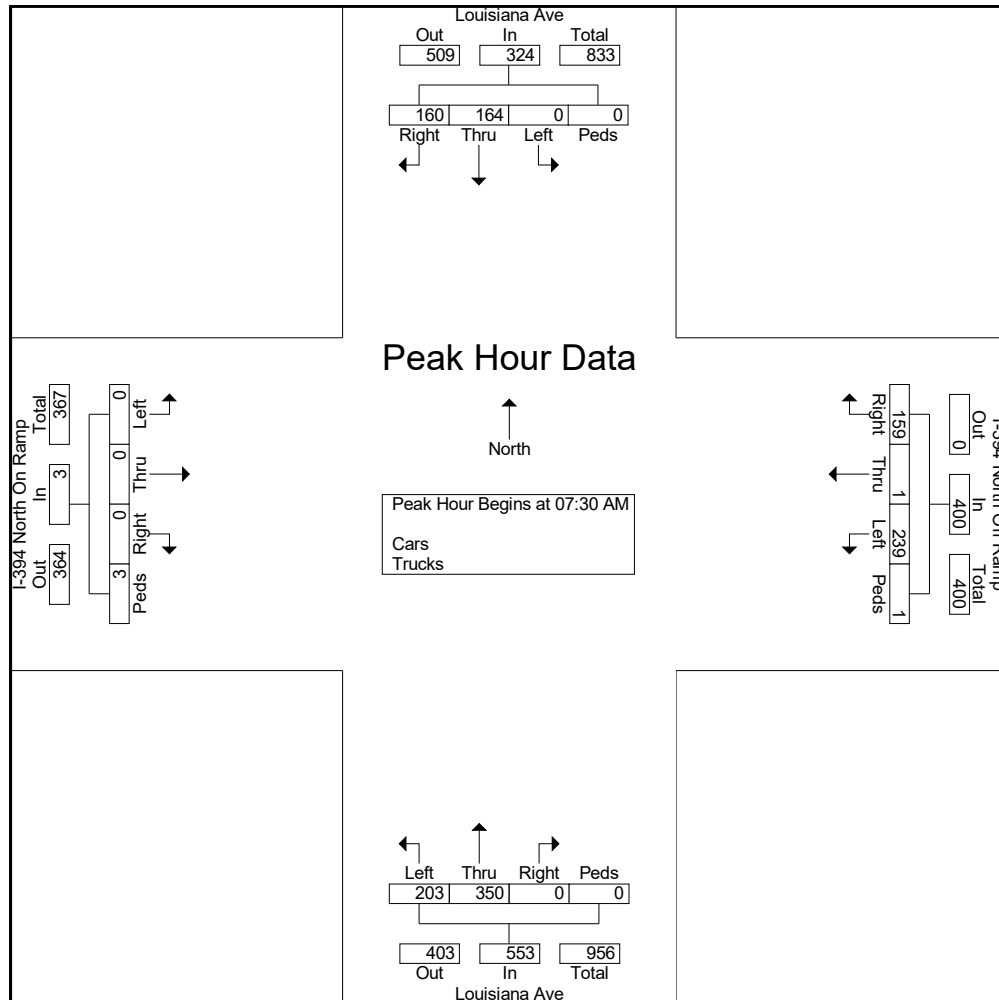
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Start Time	Louisiana Ave Southbound					I-394 North Off Ramp Westbound					Louisiana Ave Northbound					I-394 North On Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	46	39	0	85	61	0	38	0	99	56	63	0	0	119	0	0	0	0	0	303
07:45 AM	0	41	36	0	77	60	0	44	0	104	56	110	0	0	166	0	0	0	0	0	347
08:00 AM	0	36	54	0	90	63	1	41	1	106	46	100	0	0	146	0	0	0	2	2	344
08:15 AM	0	41	31	0	72	55	0	36	0	91	45	77	0	0	122	0	0	0	1	1	286
Total Volume	0	164	160	0	324	239	1	159	1	400	203	350	0	0	553	0	0	0	3	3	1280
% App. Total	0	50.6	49.4	0		59.8	0.2	39.8	0.2		36.7	63.3	0	0		0	0	0	100		
PHF	.000	.891	.741	.000	.900	.948	.250	.903	.250	.943	.906	.795	.000	.000	.833	.000	.000	.000	.375	.375	.922



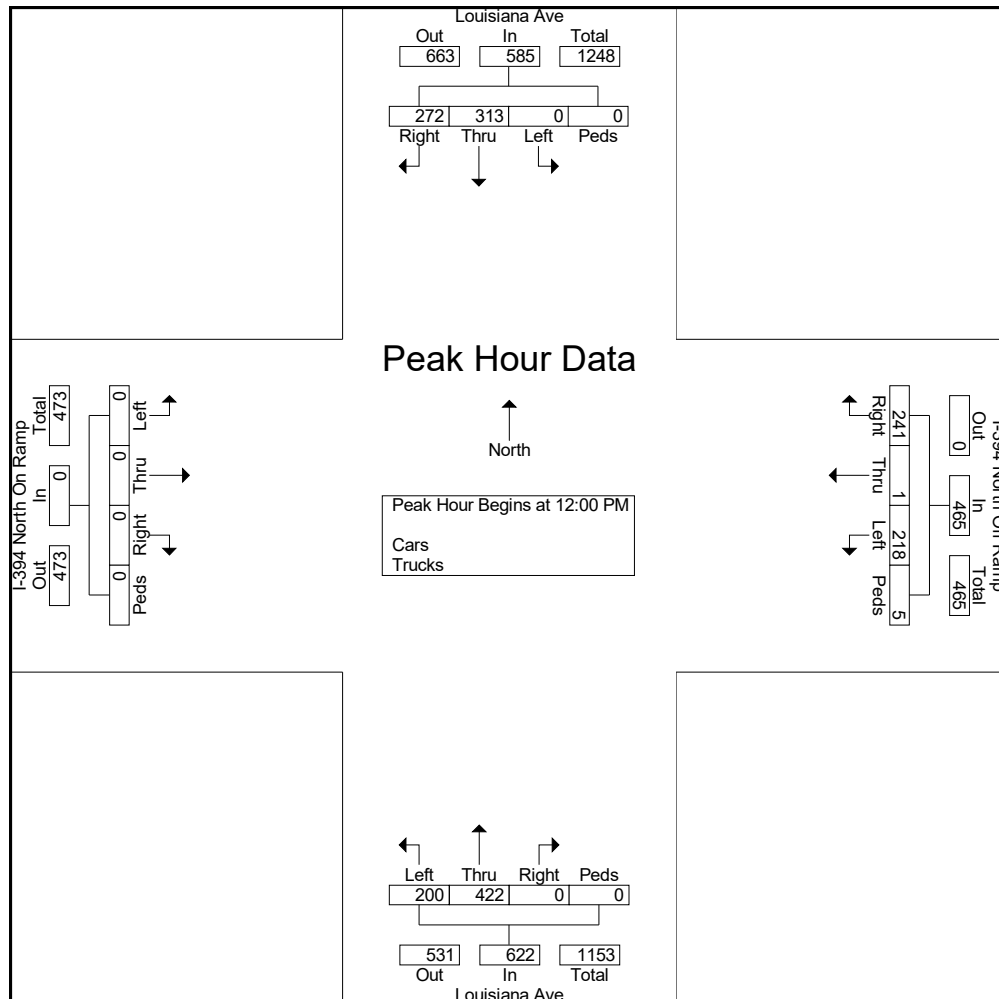
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Start Time	Louisiana Ave Southbound					I-394 North Off Ramp Westbound					Louisiana Ave Northbound					I-394 North On Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	70	58	0	128	65	0	58	0	123	52	99	0	0	151	0	0	0	0	0	402
12:15 PM	0	78	66	0	144	52	1	64	0	117	51	105	0	0	156	0	0	0	0	0	417
12:30 PM	0	91	71	0	162	38	0	56	1	95	47	112	0	0	159	0	0	0	0	0	416
12:45 PM	0	74	77	0	151	63	0	63	4	130	50	106	0	0	156	0	0	0	0	0	437
Total Volume	0	313	272	0	585	218	1	241	5	465	200	422	0	0	622	0	0	0	0	0	1672
% App. Total	0	53.5	46.5	0		46.9	0.2	51.8	1.1		32.2	67.8	0	0		0	0	0	0		
PHF	.000	.860	.883	.000	.903	.838	.250	.941	.313	.894	.962	.942	.000	.000	.978	.000	.000	.000	.000	.000	.957



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 Page No : 5

Start Time	Louisiana Ave Southbound					I-394 North Off Ramp Westbound					Louisiana Ave Northbound					I-394 North On Ramp Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 02:00 PM to 06:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	0	85	63	1	149	82	0	54	0	136	77	92	0	0	169	0	0	0	1	1	455
04:30 PM	0	68	80	0	148	86	0	42	1	129	79	90	0	0	169	0	0	0	2	2	448
04:45 PM	0	72	61	0	133	93	0	54	3	150	82	100	0	0	182	0	0	0	2	2	467
05:00 PM	0	83	57	0	140	119	0	44	3	166	81	97	0	0	178	0	0	0	0	0	484
Total Volume	0	308	261	1	570	380	0	194	7	581	319	379	0	0	698	0	0	0	5	5	1854
% App. Total	0	54	45.8	0.2		65.4	0	33.4	1.2		45.7	54.3	0	0		0	0	0	100		
PHF	.000	.906	.816	.250	.956	.798	.000	.898	.583	.875	.973	.948	.000	.000	.959	.000	.000	.000	.625	.625	.958

