

Alliant Engineering, Inc.
733 S Marquette Ave #700, Minneapolis, MN 55402

712 TH 120 & I-694 S Ramp
Ref.Pt: 008+00.080
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 712_TH 120 & I-694 South Ramp
Site Code : 1735878
Start Date : 4/18/2019
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					From East					TH 120 From South					I-694 S Ramp From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
06:00 AM	0	32	26	0	58	0	0	0	0	0	10	49	0	0	59	14	0	23	0	37	154
06:15 AM	0	24	40	0	64	0	0	0	0	0	13	50	0	0	63	30	0	30	0	60	187
06:30 AM	0	36	66	0	102	0	0	0	0	0	12	75	0	0	87	25	0	34	0	59	248
06:45 AM	0	46	62	0	108	0	0	0	0	0	10	88	0	0	98	31	0	47	0	78	284
Total	0	138	194	0	332	0	0	0	0	0	45	262	0	0	307	100	0	134	0	234	873
07:00 AM	0	47	71	0	118	0	0	0	0	0	21	95	0	0	116	31	0	54	0	85	319
07:15 AM	0	48	68	0	116	0	0	0	0	0	32	99	0	0	131	36	1	75	0	112	359
07:30 AM	0	59	91	0	150	0	0	0	0	0	21	151	0	0	172	44	0	131	2	177	499
07:45 AM	0	77	77	0	154	0	0	0	1	1	18	154	0	0	172	50	0	94	2	146	473
Total	0	231	307	0	538	0	0	0	1	1	92	499	0	0	591	161	1	354	4	520	1650
08:00 AM	0	54	57	0	111	0	0	0	0	0	19	134	0	0	153	48	0	69	0	117	381
08:15 AM	0	74	82	0	156	0	0	0	0	0	15	105	0	0	120	34	0	77	2	113	389
08:30 AM	0	66	94	0	160	0	0	0	0	0	18	101	0	0	119	39	0	81	0	120	399
08:45 AM	0	81	84	0	165	0	0	0	0	0	13	129	0	0	142	26	0	99	0	125	432
Total	0	275	317	0	592	0	0	0	0	0	65	469	0	0	534	147	0	326	2	475	1601
09:00 AM	0	76	67	0	143	0	0	0	0	0	16	110	0	0	126	24	1	104	0	129	398
09:15 AM	0	62	51	0	113	0	0	0	0	0	9	108	0	0	117	40	0	116	0	156	386
*** BREAK ***																					
Total	0	138	118	0	256	0	0	0	0	0	25	218	0	0	243	64	1	220	0	285	784
*** BREAK ***																					
10:30 AM	0	59	45	0	104	0	0	0	1	1	13	137	0	0	150	27	0	110	0	137	392
10:45 AM	0	116	89	0	205	0	0	0	0	0	5	118	0	0	123	26	2	141	0	169	497
Total	0	175	134	0	309	0	0	0	1	1	18	255	0	0	273	53	2	251	0	306	889
11:00 AM	0	89	69	0	158	0	0	0	0	0	13	83	0	0	96	34	0	71	0	105	359
11:15 AM	0	59	65	0	124	0	0	0	0	0	4	93	0	0	97	33	1	81	0	115	336
11:30 AM	0	58	50	0	108	0	0	0	0	0	10	99	0	0	109	37	0	73	0	110	327
11:45 AM	0	79	66	0	145	0	0	0	0	0	7	111	0	0	118	45	2	112	0	159	422
Total	0	285	250	0	535	0	0	0	0	0	34	386	0	0	420	149	3	337	0	489	1444
12:00 PM	0	82	59	0	141	0	0	0	1	1	6	113	0	0	119	29	0	86	0	115	376
12:15 PM	0	93	78	0	171	0	0	0	0	0	7	103	0	0	110	35	0	116	0	151	432
12:30 PM	0	77	65	0	142	0	0	0	0	0	10	97	0	0	107	39	0	134	0	173	422
12:45 PM	0	75	60	0	135	0	0	0	0	0	5	135	0	0	140	43	0	84	0	127	402
Total	0	327	262	0	589	0	0	0	1	1	28	448	0	0	476	146	0	420	0	566	1632
01:00 PM	0	97	49	0	146	0	0	0	0	0	10	104	0	0	114	29	1	77	0	107	367
01:15 PM	0	65	51	0	116	0	0	0	1	1	10	107	0	0	117	43	0	68	0	111	345
*** BREAK ***																					
Total	0	162	100	0	262	0	0	0	1	1	20	211	0	0	231	72	1	145	0	218	712
*** BREAK ***																					
02:30 PM	0	100	86	0	186	0	0	0	0	0	12	118	0	0	130	55	0	121	0	176	492
02:45 PM	0	94	80	0	174	0	0	0	1	1	15	152	0	0	167	65	0	82	0	147	489
Total	0	194	166	0	360	0	0	0	1	1	27	270	0	0	297	120	0	203	0	323	981
03:00 PM	0	109	84	0	193	0	0	0	0	0	16	115	0	0	131	58	0	84	0	142	466
03:15 PM	0	107	76	0	183	0	0	0	0	0	17	145	0	0	162	63	0	83	0	146	491
03:30 PM	0	133	108	0	241	0	0	0	0	0	7	131	0	0	138	48	0	97	0	145	524
03:45 PM	0	114	100	0	214	0	0	0	0	0	10	135	0	0	145	42	0	98	4	144	503
Total	0	463	368	0	831	0	0	0	0	0	50	526	0	0	576	211	0	362	4	577	1984

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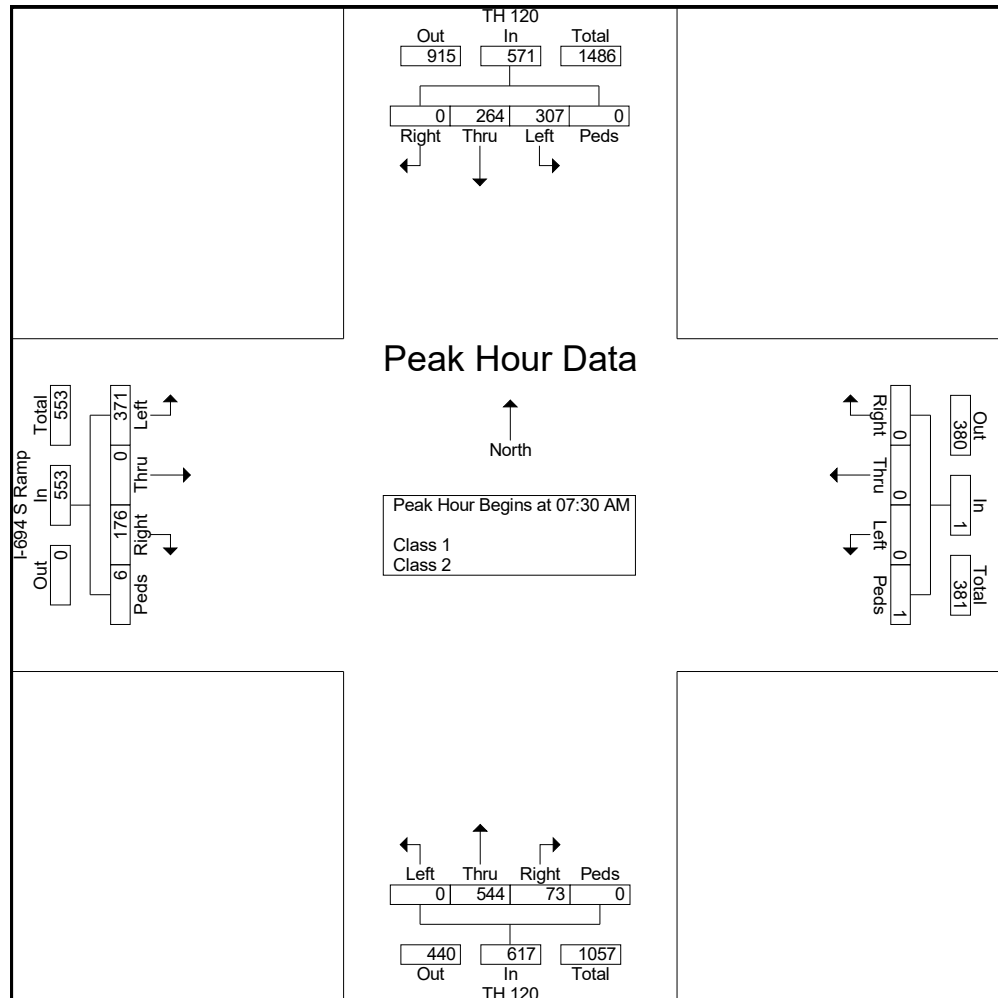
	TH 120 From North					From East					TH 120 From South					I-694 S Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:00 PM	0	107	82	0	189	0	0	0	0	0	20	174	0	0	194	51	0	92	0	143	526
04:15 PM	0	82	68	0	150	0	0	0	0	0	12	150	0	0	162	70	0	88	0	158	470
04:30 PM	0	100	79	0	179	0	0	0	0	0	23	166	0	0	189	42	1	74	0	117	485
04:45 PM	0	89	65	0	154	0	0	0	0	0	18	132	0	0	150	43	0	85	0	128	432
Total	0	378	294	0	672	0	0	0	0	0	73	622	0	0	695	206	1	339	0	546	1913
05:00 PM	0	81	60	0	141	0	0	0	0	0	22	160	0	0	182	50	2	118	0	170	493
05:15 PM	0	97	73	0	170	0	0	0	0	0	11	163	0	0	174	43	0	106	0	149	493
05:30 PM	0	87	56	0	143	0	0	0	0	0	13	193	0	0	206	36	0	111	0	147	496
05:45 PM	0	80	52	0	132	0	0	0	0	0	13	158	0	0	171	53	0	122	0	175	478
Total	0	345	241	0	586	0	0	0	0	0	59	674	0	0	733	182	2	457	0	641	1960
Grand Total	0	3111	2751	0	5862	0	0	0	5	5	536	4840	0	0	5376	1611	11	3548	10	5180	16423
Apprch %	0	53.1	46.9	0		0	0	0	100		10	90	0	0		31.1	0.2	68.5	0.2		
Total %	0	18.9	16.8	0	35.7	0	0	0	0	0	3.3	29.5	0	0	32.7	9.8	0.1	21.6	0.1	31.5	
Class 1	0	2981	2584	0	5565	0	0	0	4	4	522	4753	0	0	5275	1568	10	3419	6	5003	15847
% Class 1	0	95.8	93.9	0	94.9	0	0	0	80	80	97.4	98.2	0	0	98.1	97.3	90.9	96.4	60	96.6	96.5
Class 2	0	130	167	0	297	0	0	0	1	1	14	87	0	0	101	43	1	129	4	177	576
% Class 2	0	4.2	6.1	0	5.1	0	0	0	20	20	2.6	1.8	0	0	1.9	2.7	9.1	3.6	40	3.4	3.5

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	TH 120 From North					From East					TH 120 From South					I-694 S Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	59	91	0	150	0	0	0	0	0	21	151	0	0	172	44	0	131	2	177	499
07:45 AM	0	77	77	0	154	0	0	0	1	1	18	154	0	0	172	50	0	94	2	146	473
08:00 AM	0	54	57	0	111	0	0	0	0	0	19	134	0	0	153	48	0	69	0	117	381
08:15 AM	0	74	82	0	156	0	0	0	0	0	15	105	0	0	120	34	0	77	2	113	389
Total Volume	0	264	307	0	571	0	0	0	1	1	73	544	0	0	617	176	0	371	6	553	1742
% App. Total	0	46.2	53.8	0		0	0	0	100		11.8	88.2	0	0		31.8	0	67.1	1.1		
PHF	.000	.857	.843	.000	.915	.000	.000	.000	.250	.250	.869	.883	.000	.000	.897	.880	.000	.708	.750	.781	.873



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	TH 120 From North					From East					TH 120 From South					I-694 S Ramp From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:15 PM																					
03:15 PM	0	107	76	0	183	0	0	0	0	0	17	145	0	0	162	63	0	83	0	146	491
03:30 PM	0	133	108	0	241	0	0	0	0	0	7	131	0	0	138	48	0	97	0	145	524
03:45 PM	0	114	100	0	214	0	0	0	0	0	10	135	0	0	145	42	0	98	4	144	503
04:00 PM	0	107	82	0	189	0	0	0	0	0	20	174	0	0	194	51	0	92	0	143	526
Total Volume	0	461	366	0	827	0	0	0	0	0	54	585	0	0	639	204	0	370	4	578	2044
% App. Total	0	55.7	44.3	0		0	0	0	0	0	8.5	91.5	0	0		35.3	0	64	0.7		
PHF	.000	.867	.847	.000	.858	.000	.000	.000	.000	.000	.675	.841	.000	.000	.823	.810	.000	.944	.250	.990	.971

