

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

713 TH 120 & I-694 N Ramp
Ref.Pt: 008+00.150
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 713_TH 120 & I-694 North Ramp
Site Code : 1735877
Start Date : 5/7/2019
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					I-694 N Ramp From East					TH 120 From South					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	72	53	0	0	125	21	1	1	0	23	0	41	38	0	79	0	0	0	0	0	227
06:15 AM	100	76	0	0	176	31	0	3	0	34	0	69	43	0	112	0	0	0	0	0	322
06:30 AM	110	89	0	0	199	32	0	6	0	38	0	72	44	0	116	0	0	0	0	0	353
06:45 AM	103	119	0	0	222	65	1	7	0	73	0	99	25	0	124	0	0	0	0	0	419
Total	385	337	0	0	722	149	2	17	0	168	0	281	150	0	431	0	0	0	0	0	1321
07:00 AM	93	107	0	0	200	69	1	4	0	74	0	142	45	0	187	0	0	0	0	0	461
07:15 AM	100	132	0	0	232	94	0	4	1	99	0	172	45	0	217	0	0	0	0	0	548
07:30 AM	102	164	0	0	266	124	0	6	0	130	0	226	40	0	266	0	0	0	0	0	662
07:45 AM	74	161	0	0	235	104	0	7	0	111	0	234	27	0	261	0	0	0	0	0	607
Total	369	564	0	0	933	391	1	21	1	414	0	774	157	0	931	0	0	0	0	0	2278
08:00 AM	79	127	0	0	206	93	0	10	0	103	0	194	37	0	231	0	0	0	0	0	540
08:15 AM	75	117	0	0	192	85	0	12	0	97	0	156	39	0	195	0	0	0	0	0	484
08:30 AM	109	157	0	0	266	109	0	12	0	121	0	165	37	0	202	0	0	0	0	0	589
08:45 AM	87	166	0	0	253	92	0	12	0	104	0	210	33	0	243	0	0	0	0	0	600
Total	350	567	0	0	917	379	0	46	0	425	0	725	146	0	871	0	0	0	0	0	2213
09:00 AM	111	158	0	0	269	89	0	13	0	102	0	188	27	0	215	0	0	0	0	0	586
09:15 AM	84	107	0	0	191	90	0	18	0	108	0	221	34	0	255	0	0	0	0	0	554
*** BREAK ***																					
Total	195	265	0	0	460	179	0	31	0	210	0	409	61	0	470	0	0	0	0	0	1140
*** BREAK ***																					
10:30 AM	69	116	0	0	185	97	0	12	0	109	0	213	23	0	236	0	0	0	0	0	530
10:45 AM	107	159	0	0	266	106	0	18	0	124	0	250	33	0	283	0	0	0	0	0	673
Total	176	275	0	0	451	203	0	30	0	233	0	463	56	0	519	0	0	0	0	0	1203
11:00 AM	97	132	0	0	229	57	0	17	0	74	0	156	28	0	184	0	0	0	0	0	487
11:15 AM	70	101	0	0	171	58	0	13	0	71	0	155	37	0	192	0	0	0	0	0	434
11:30 AM	86	125	0	0	211	60	0	14	0	74	0	144	32	0	176	0	0	0	0	0	461
11:45 AM	105	141	0	0	246	74	1	6	0	81	0	146	33	0	179	0	0	0	0	0	506
Total	358	499	0	0	857	249	1	50	0	300	0	601	130	0	731	0	0	0	0	0	1888
12:00 PM	127	136	0	0	263	62	0	16	0	78	0	171	40	0	211	0	0	0	0	0	552
12:15 PM	115	141	0	0	256	79	0	20	0	99	0	187	39	0	226	0	0	0	0	0	581
12:30 PM	100	134	0	0	234	87	0	18	0	105	0	179	42	0	221	0	0	0	0	0	560
12:45 PM	116	140	0	0	256	72	0	11	0	83	0	202	28	0	230	0	0	0	0	0	569
Total	458	551	0	0	1009	300	0	65	0	365	0	739	149	0	888	0	0	0	0	0	2262
01:00 PM	99	138	0	0	237	53	0	11	0	64	0	140	39	0	179	0	0	0	0	0	480
01:15 PM	83	132	0	0	215	62	0	14	0	76	0	138	43	0	181	0	0	0	0	0	472
*** BREAK ***																					
Total	182	270	0	0	452	115	0	25	0	140	0	278	82	0	360	0	0	0	0	0	952
*** BREAK ***																					
02:30 PM	106	185	0	0	291	55	0	15	0	70	0	171	33	0	204	0	0	0	0	0	565
02:45 PM	101	159	0	0	260	91	1	26	1	119	0	183	45	0	228	0	0	0	0	0	607
Total	207	344	0	0	551	146	1	41	1	189	0	354	78	0	432	0	0	0	0	0	1172
03:00 PM	91	181	0	0	272	78	0	18	0	96	0	177	41	0	218	0	0	0	0	0	586
03:15 PM	102	156	0	0	258	102	3	24	0	129	0	178	43	0	221	0	0	0	0	0	608
03:30 PM	106	188	1	0	295	132	0	20	1	153	0	175	40	0	215	0	0	0	0	0	663
03:45 PM	85	167	0	0	252	97	0	21	0	118	0	183	50	0	233	0	0	0	0	0	603
Total	384	692	1	0	1077	409	3	83	1	496	0	713	174	0	887	0	0	0	0	0	2460

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

713 TH 120 & I-694 N Ramp
Ref.Pt: 008+00.150
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 713_TH 120 & I-694 North Ramp
Site Code : 1735877
Start Date : 5/7/2019
Page No : 2

Groups Printed- Class 1 - Class 2

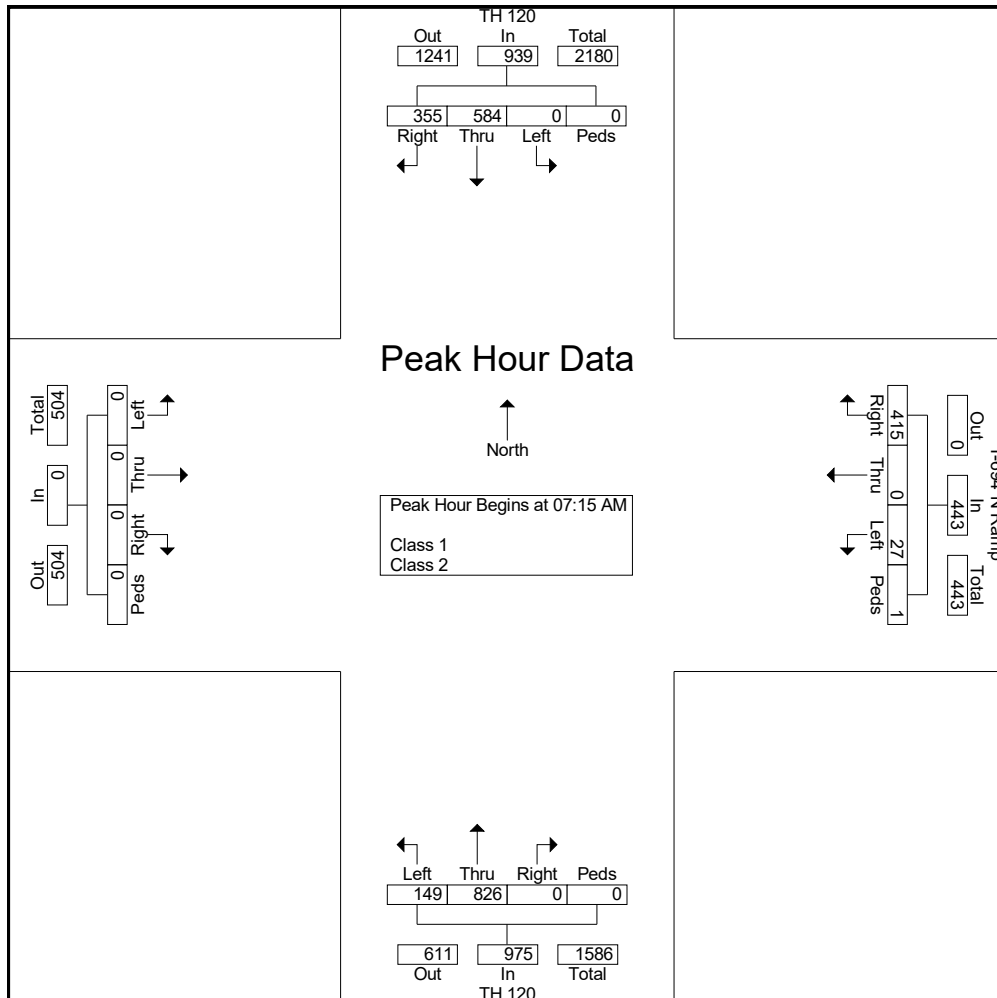
Start Time	TH 120 From North					I-694 N Ramp From East					TH 120 From South					From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	97	146	0	0	243	110	0	25	0	135	0	204	48	0	252	0	0	0	0	0	630
04:15 PM	91	150	0	0	241	108	0	24	0	132	0	199	39	0	238	0	0	0	0	0	611
04:30 PM	83	180	0	0	263	106	0	14	0	120	0	171	57	0	228	0	0	0	0	0	611
04:45 PM	103	163	0	0	266	94	0	21	0	115	0	171	30	0	201	0	0	0	0	0	582
Total	374	639	0	0	1013	418	0	84	0	502	0	745	174	0	919	0	0	0	0	0	2434
05:00 PM	94	153	0	0	247	106	0	14	0	120	0	208	41	0	249	0	0	0	0	0	616
05:15 PM	116	131	0	0	247	123	0	17	0	140	0	224	33	0	257	0	0	0	0	0	644
05:30 PM	84	148	0	0	232	134	0	26	0	160	0	198	47	0	245	0	0	0	0	0	637
05:45 PM	85	137	0	0	222	131	0	15	0	146	0	233	31	0	264	0	0	0	0	0	632
Total	379	569	0	0	948	494	0	72	0	566	0	863	152	0	1015	0	0	0	0	0	2529
Grand Total	3817	5572	1	0	9390	3432	8	565	3	4008	0	6945	1509	0	8454	0	0	0	0	0	21852
Apprch %	40.6	59.3	0	0		85.6	0.2	14.1	0.1		0	82.2	17.8	0		0	0	0	0		
Total %	17.5	25.5	0	0	43	15.7	0	2.6	0	18.3	0	31.8	6.9	0	38.7	0	0	0	0	0	
Class 1	3743	5469	1	0	9213	3330	8	483	0	3821	0	6861	1481	0	8342	0	0	0	0	0	21376
% Class 1	98.1	98.2	100	0	98.1	97	100	85.5	0	95.3	0	98.8	98.1	0	98.7	0	0	0	0	0	97.8
Class 2	74	103	0	0	177	102	0	82	3	187	0	84	28	0	112	0	0	0	0	0	476
% Class 2	1.9	1.8	0	0	1.9	3	0	14.5	100	4.7	0	1.2	1.9	0	1.3	0	0	0	0	0	2.2

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

713 TH 120 & I-694 N Ramp
Ref.Pt: 008+00.150
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 713_TH 120 & I-694 North Ramp
Site Code : 1735877
Start Date : 5/7/2019
Page No : 3

	TH 120 From North					I-694 N Ramp From East					TH 120 From South					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 07:15 AM																					
07:15 AM	100	132	0	0	232	94	0	4	1	99	0	172	45	0	217	0	0	0	0	0	548
07:30 AM	102	164	0	0	266	124	0	6	0	130	0	226	40	0	266	0	0	0	0	0	662
07:45 AM	74	161	0	0	235	104	0	7	0	111	0	234	27	0	261	0	0	0	0	0	607
08:00 AM	79	127	0	0	206	93	0	10	0	103	0	194	37	0	231	0	0	0	0	0	540
Total Volume	355	584	0	0	939	415	0	27	1	443	0	826	149	0	975	0	0	0	0	0	2357
% App. Total	37.8	62.2	0	0		93.7	0	6.1	0.2		0	84.7	15.3	0		0	0	0	0		
PHF	.870	.890	.000	.000	.883	.837	.000	.675	.250	.852	.000	.882	.828	.000	.916	.000	.000	.000	.000	.000	.890



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

713 TH 120 & I-694 N Ramp
Ref.Pt: 008+00.150
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 713_TH 120 & I-694 North Ramp
Site Code : 1735877
Start Date : 5/7/2019
Page No : 4

	TH 120 From North					I-694 N Ramp From East					TH 120 From South					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 05:00 PM																					
05:00 PM	94	153	0	0	247	106	0	14	0	120	0	208	41	0	249	0	0	0	0	0	616
05:15 PM	116	131	0	0	247	123	0	17	0	140	0	224	33	0	257	0	0	0	0	0	644
05:30 PM	84	148	0	0	232	134	0	26	0	160	0	198	47	0	245	0	0	0	0	0	637
05:45 PM	85	137	0	0	222	131	0	15	0	146	0	233	31	0	264	0	0	0	0	0	632
Total Volume	379	569	0	0	948	494	0	72	0	566	0	863	152	0	1015	0	0	0	0	0	2529
% App. Total	40	60	0	0		87.3	0	12.7	0		0	85	15	0		0	0	0	0		
PHF	.817	.930	.000	.000	.960	.922	.000	.692	.000	.884	.000	.926	.809	.000	.961	.000	.000	.000	.000	.000	.982