

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

710 TH 120 & 47th St/7th Ave
Ref.Pt: 006+00.883
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 710_TH 120 & 47th Street-7th Avenue
Site Code : 1736474
Start Date : 4/17/2019
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					47th St From East					TH 120 From South					7th Ave 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	6	29	0	0	35	1	2	3	0	6	0	69	4	0	73	4	1	8	0	13	127
06:15 AM	3	38	0	0	41	3	2	0	0	5	1	80	8	0	89	2	0	11	0	13	148
06:30 AM	8	47	0	0	55	0	5	0	0	5	0	112	5	0	117	3	1	10	0	14	191
06:45 AM	9	51	0	0	60	1	10	2	0	13	0	72	16	0	88	6	0	14	0	20	181
Total	26	165	0	0	191	5	19	5	0	29	1	333	33	0	367	15	2	43	0	60	647
07:00 AM	11	60	0	0	71	2	14	2	0	18	2	104	10	0	116	4	1	12	0	17	222
07:15 AM	8	58	0	0	66	3	16	3	0	22	1	115	20	0	136	4	4	21	0	29	253
07:30 AM	21	90	1	0	112	7	14	2	0	23	1	115	23	0	139	7	2	17	0	26	300
07:45 AM	24	78	0	3	105	2	25	3	0	30	1	119	31	0	151	5	6	14	0	25	311
Total	64	286	1	3	354	14	69	10	0	93	5	453	84	0	542	20	13	64	0	97	1086
08:00 AM	24	90	2	1	117	0	12	1	0	13	0	88	23	0	111	9	3	22	0	34	275
08:15 AM	13	61	0	2	76	3	5	4	1	13	0	91	14	0	105	8	4	19	0	31	225
08:30 AM	21	60	2	0	83	0	22	4	0	26	3	103	14	0	120	11	3	27	0	41	270
08:45 AM	17	58	1	0	76	2	13	1	0	16	0	95	19	0	114	7	2	10	0	19	225
Total	75	269	5	3	352	5	52	10	1	68	3	377	70	0	450	35	12	78	0	125	995
09:00 AM	14	51	0	0	65	0	3	2	0	5	1	76	8	0	85	7	1	17	0	25	180
09:15 AM	14	61	0	0	75	2	2	1	0	5	0	89	14	0	103	3	2	16	0	21	204
*** BREAK ***																					
Total	28	112	0	0	140	2	5	3	0	10	1	165	22	0	188	10	3	33	0	46	384
*** BREAK ***																					
10:30 AM	27	46	1	0	74	0	0	1	0	1	1	70	10	0	81	8	2	24	0	34	190
10:45 AM	27	58	1	0	86	0	8	0	0	8	0	98	4	0	102	6	1	25	0	32	228
Total	54	104	2	0	160	0	8	1	0	9	1	168	14	0	183	14	3	49	0	66	418
11:00 AM	21	71	0	0	92	0	7	4	0	11	0	60	8	0	68	11	2	20	0	33	204
11:15 AM	25	56	1	0	82	2	4	0	0	6	0	64	10	0	74	8	3	26	0	37	199
11:30 AM	19	62	1	0	82	0	7	1	0	8	0	80	9	0	89	17	4	21	0	42	221
11:45 AM	25	73	0	0	98	0	6	1	0	7	1	64	14	0	79	11	4	28	0	43	227
Total	90	262	2	0	354	2	24	6	0	32	1	268	41	0	310	47	13	95	0	155	851
12:00 PM	29	77	0	0	106	0	4	0	0	4	0	64	9	0	73	11	2	27	0	40	223
12:15 PM	24	67	2	0	93	3	1	0	0	4	3	66	11	0	80	9	3	24	0	36	213
12:30 PM	26	75	1	0	102	0	6	1	0	7	2	67	13	0	82	9	1	30	0	40	231
12:45 PM	29	58	1	0	88	1	3	1	0	5	0	71	10	0	81	8	6	31	0	45	219
Total	108	277	4	0	389	4	14	2	0	20	5	268	43	0	316	37	12	112	0	161	886
01:00 PM	18	72	0	0	90	0	2	1	0	3	2	75	9	0	86	9	2	27	0	38	217
01:15 PM	23	70	1	0	94	1	1	2	0	4	0	82	10	0	92	8	1	31	0	40	230
*** BREAK ***																					
Total	41	142	1	0	184	1	3	3	0	7	2	157	19	0	178	17	3	58	0	78	447
*** BREAK ***																					
02:30 PM	20	93	0	0	113	1	3	0	0	4	1	78	25	0	104	17	5	35	0	57	278
02:45 PM	22	99	1	0	122	2	4	0	1	7	2	80	11	0	93	17	11	40	0	68	290
Total	42	192	1	0	235	3	7	0	1	11	3	158	36	0	197	34	16	75	0	125	568
03:00 PM	21	98	2	0	121	2	3	1	0	6	1	82	15	0	98	16	13	36	0	65	290
03:15 PM	21	109	3	0	133	0	13	6	0	19	2	100	17	0	119	14	5	37	0	56	327
03:30 PM	27	111	1	0	139	2	17	0	0	19	0	111	12	0	123	23	9	36	0	68	349
03:45 PM	24	139	1	0	164	1	6	1	0	8	1	73	8	0	82	16	10	47	0	73	327
Total	93	457	7	0	557	5	39	8	0	52	4	366	52	0	422	69	37	156	0	262	1293

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04:00 PM	22	110	1	0	133	2	10	0	0	12	0	71	14	0	85	30	7	39	0	76	306
04:15 PM	22	130	4	0	156	2	9	0	0	11	0	105	5	0	110	24	6	40	0	70	347
04:30 PM	22	109	1	1	133	2	10	4	0	16	1	95	23	0	119	23	11	42	1	77	345
04:45 PM	22	128	3	0	153	3	13	5	0	21	5	90	13	0	108	30	10	36	0	76	358
Total	88	477	9	1	575	9	42	9	0	60	6	361	55	0	422	107	34	157	1	299	1356
05:00 PM	17	102	4	0	123	1	5	1	0	7	3	108	10	0	121	20	9	26	0	55	306
05:15 PM	15	106	1	0	122	3	8	1	0	12	0	89	13	0	102	16	13	19	0	48	284
05:30 PM	19	101	2	0	122	4	6	2	0	12	1	110	17	0	128	15	8	45	0	68	330
05:45 PM	10	105	5	0	120	1	6	2	0	9	3	98	12	0	113	12	11	20	0	43	285
Total	61	414	12	0	487	9	25	6	0	40	7	405	52	0	464	63	41	110	0	214	1205
Grand Total	770	3157	44	7	3978	59	307	63	2	431	39	3479	521	0	4039	468	189	1030	1	1688	10136
Apprch %	19.4	79.4	1.1	0.2		13.7	71.2	14.6	0.5		1	86.1	12.9	0		27.7	11.2	61	0.1		
Total %	7.6	31.1	0.4	0.1	39.2	0.6	3	0.6	0	4.3	0.4	34.3	5.1	0	39.8	4.6	1.9	10.2	0	16.7	
Class 1	722	3074	44	4	3844	57	294	57	2	410	38	3407	478	0	3923	440	183	965	1	1589	9766
% Class 1	93.8	97.4	100	57.1	96.6	96.6	95.8	90.5	100	95.1	97.4	97.9	91.7	0	97.1	94	96.8	93.7	100	94.1	96.3
Class 2	48	83	0	3	134	2	13	6	0	21	1	72	43	0	116	28	6	65	0	99	370
% Class 2	6.2	2.6	0	42.9	3.4	3.4	4.2	9.5	0	4.9	2.6	2.1	8.3	0	2.9	6	3.2	6.3	0	5.9	3.7

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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	8	58	0	0	66	3	16	3	0	22	1	115	20	0	136	4	4	21	0	29	253
07:30 AM	21	90	1	0	112	7	14	2	0	23	1	115	23	0	139	7	2	17	0	26	300
07:45 AM	24	78	0	3	105	2	25	3	0	30	1	119	31	0	151	5	6	14	0	25	311
08:00 AM	24	90	2	1	117	0	12	1	0	13	0	88	23	0	111	9	3	22	0	34	275
Total Volume	77	316	3	4	400	12	67	9	0	88	3	437	97	0	537	25	15	74	0	114	1139
% App. Total	19.2	79	0.8	1		13.6	76.1	10.2	0		0.6	81.4	18.1	0		21.9	13.2	64.9	0		
PHF	.802	.878	.375	.333	.855	.429	.670	.750	.000	.733	.750	.918	.782	.000	.889	.694	.625	.841	.000	.838	.916

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Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	22	110	1	0	133	2	10	0	0	12	0	71	14	0	85	30	7	39	0	76	306
04:15 PM	22	130	4	0	156	2	9	0	0	11	0	105	5	0	110	24	6	40	0	70	347
04:30 PM	22	109	1	1	133	2	10	4	0	16	1	95	23	0	119	23	11	42	1	77	345
04:45 PM	22	128	3	0	153	3	13	5	0	21	5	90	13	0	108	30	10	36	0	76	358
Total Volume	88	477	9	1	575	9	42	9	0	60	6	361	55	0	422	107	34	157	1	299	1356
% App. Total	15.3	83	1.6	0.2		15	70	15	0		1.4	85.5	13	0		35.8	11.4	52.5	0.3		
PHF	1.00	.917	.563	.250	.921	.750	.808	.450	.000	.714	.300	.860	.598	.000	.887	.892	.773	.935	.250	.971	.947

