

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

706 TH 120 & CSAH 6/Stillwater Road  
Ref Pt: 004+00.059  
data by: Alliant Inc  
TURN MOVEMENT COUNT

File Name : 706\_TH 120 & CSAH 6-Stillwater Road  
Site Code : 1735673  
Start Date : 4/17/2019  
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					CSAH 6/Stillwater Blvd From East					TH 120 From South					CSAH 6/Stillwater Rd 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	10	31	3	0	44	0	19	14	0	33	6	29	3	0	38	7	8	2	0	17	132
06:15 AM	5	35	1	0	41	0	26	15	0	41	9	39	6	0	54	5	19	3	0	27	163
06:30 AM	18	72	2	0	92	0	40	23	0	63	3	34	12	0	49	7	9	4	1	21	225
06:45 AM	16	81	0	0	97	0	46	18	0	64	7	49	14	0	70	14	14	3	1	32	263
Total	49	219	6	0	274	0	131	70	0	201	25	151	35	0	211	33	50	12	2	97	783
07:00 AM	16	58	3	0	77	0	47	15	0	62	6	70	13	0	89	15	14	11	0	40	268
07:15 AM	24	87	4	0	115	0	42	17	0	59	7	93	14	3	117	12	10	9	0	31	322
07:30 AM	15	100	3	0	118	0	42	31	0	73	5	125	24	0	154	13	18	10	1	42	387
07:45 AM	17	130	2	0	149	0	44	26	0	70	8	89	13	0	110	17	17	16	0	50	379
Total	72	375	12	0	459	0	175	89	0	264	26	377	64	3	470	57	59	46	1	163	1356
08:00 AM	28	96	0	0	124	0	22	24	0	46	7	73	16	0	96	19	15	5	1	40	306
08:15 AM	19	86	3	0	108	0	31	14	0	45	3	64	11	0	78	16	11	17	0	44	275
08:30 AM	17	79	2	1	99	0	32	9	1	42	6	93	14	0	113	25	21	6	0	52	306
08:45 AM	16	83	6	0	105	0	24	11	0	35	3	81	18	0	102	25	11	9	0	45	287
Total	80	344	11	1	436	0	109	58	1	168	19	311	59	0	389	85	58	37	1	181	1174
09:00 AM	21	68	5	0	94	0	23	13	0	36	10	52	15	0	77	12	12	13	0	37	244
09:15 AM	7	56	7	0	70	0	19	7	0	26	9	60	13	0	82	11	46	13	1	71	249
*** BREAK ***																					
Total	28	124	12	0	164	0	42	20	0	62	19	112	28	0	159	23	58	26	1	108	493
*** BREAK ***																					
10:30 AM	5	62	7	0	74	0	13	15	0	28	6	46	9	0	61	7	8	14	0	29	192
10:45 AM	10	56	6	0	72	0	17	7	0	24	14	60	8	1	83	11	11	11	0	33	212
Total	15	118	13	0	146	0	30	22	0	52	20	106	17	1	144	18	19	25	0	62	404
11:00 AM	10	58	6	0	74	0	15	8	0	23	15	60	13	0	88	10	15	10	0	35	220
11:15 AM	18	51	2	0	71	0	19	12	0	31	10	68	10	0	88	13	21	4	0	38	228
11:30 AM	4	75	4	0	83	0	18	5	0	23	11	70	16	0	97	14	20	16	0	50	253
11:45 AM	13	75	3	0	91	0	13	8	0	21	6	58	14	0	78	10	21	13	0	44	234
Total	45	259	15	0	319	0	65	33	0	98	42	256	53	0	351	47	77	43	0	167	935
12:00 PM	5	58	4	0	67	0	21	12	0	33	9	49	10	0	68	8	12	13	0	33	201
12:15 PM	10	64	4	0	78	0	14	8	0	22	8	66	14	0	88	8	13	8	1	30	218
12:30 PM	15	71	9	0	95	0	22	2	0	24	11	78	21	0	110	5	13	11	0	29	258
12:45 PM	12	51	6	0	69	0	25	5	0	30	5	59	13	1	78	15	20	13	0	48	225
Total	42	244	23	0	309	0	82	27	0	109	33	252	58	1	344	36	58	45	1	140	902
01:00 PM	13	72	8	0	93	0	15	9	0	24	10	60	15	0	85	13	27	14	1	55	257
01:15 PM	12	61	5	0	78	0	17	6	0	23	15	63	11	0	89	10	30	11	0	51	241
*** BREAK ***																					
Total	25	133	13	0	171	0	32	15	0	47	25	123	26	0	174	23	57	25	1	106	498
*** BREAK ***																					
02:30 PM	15	99	8	0	122	0	23	10	0	33	11	76	15	0	102	19	38	13	0	70	327
02:45 PM	15	111	9	0	135	0	11	7	0	18	11	82	18	0	111	15	18	23	1	57	321
Total	30	210	17	0	257	0	34	17	0	51	22	158	33	0	213	34	56	36	1	127	648
03:00 PM	25	94	9	1	129	0	25	18	0	43	16	101	22	0	139	13	35	17	0	65	376
03:15 PM	21	87	9	0	117	0	25	7	1	33	17	125	20	0	162	30	35	26	0	91	403
03:30 PM	13	98	7	1	119	0	25	13	0	38	19	130	22	0	171	19	36	19	0	74	402
03:45 PM	19	131	8	0	158	0	21	10	0	31	24	106	19	0	149	16	37	23	1	77	415
Total	78	410	33	2	523	0	96	48	1	145	76	462	83	0	621	78	143	85	1	307	1596

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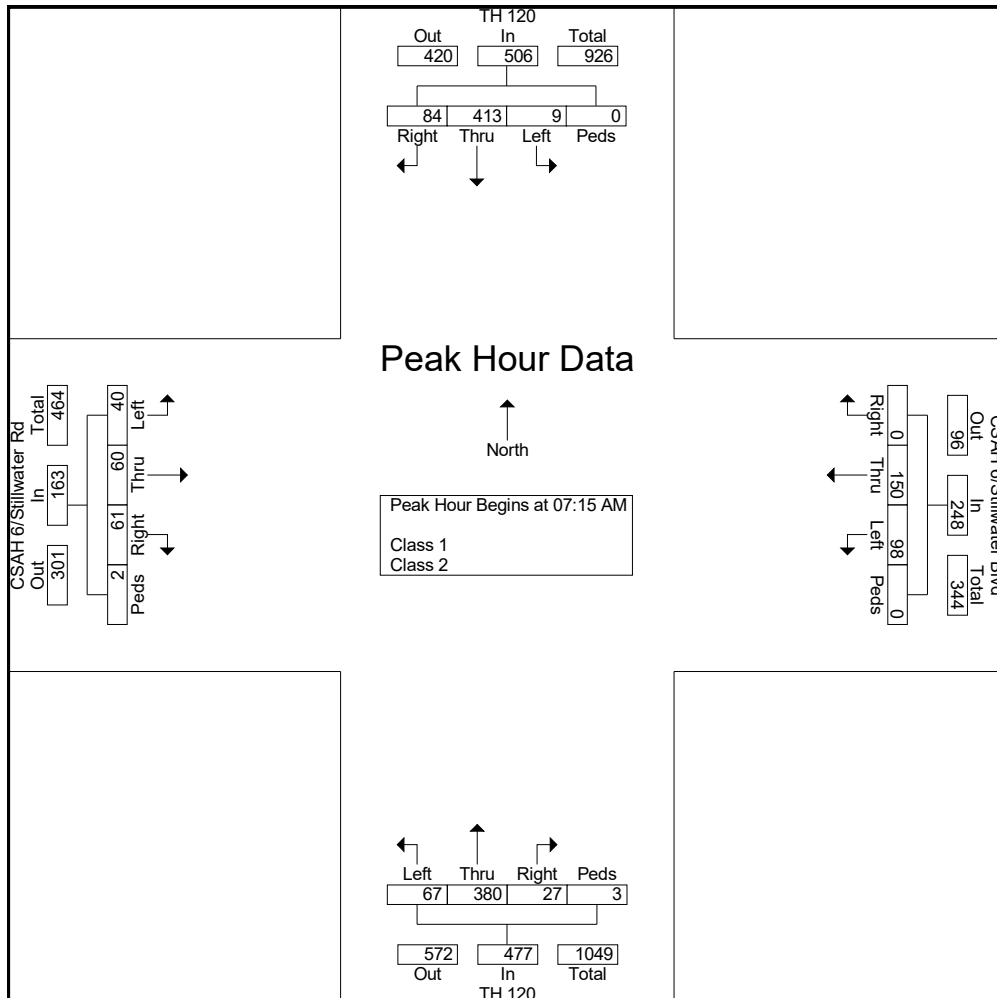
Start Time	TH 120 From North					CSAH 6/Stillwater Blvd From East					TH 120 From South					CSAH 6/Stillwater Rd From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	15	90	8	1	114	0	29	16	0	45	19	112	13	1	145	16	36	25	2	79	383
04:15 PM	22	97	9	0	128	0	23	16	0	39	26	135	23	0	184	17	35	34	0	86	437
04:30 PM	16	111	5	2	134	0	19	12	0	31	28	130	25	0	183	24	47	13	0	84	432
04:45 PM	15	109	8	0	132	0	14	10	0	24	21	141	20	0	182	20	61	20	0	101	439
Total	68	407	30	3	508	0	85	54	0	139	94	518	81	1	694	77	179	92	2	350	1691
05:00 PM	18	113	17	0	148	0	40	10	0	50	32	134	27	0	193	24	55	20	0	99	490
05:15 PM	16	93	6	0	115	0	24	16	0	40	24	127	20	1	172	16	47	22	0	85	412
05:30 PM	15	87	7	0	109	0	22	7	0	29	28	134	15	0	177	14	37	25	0	76	391
05:45 PM	10	88	8	0	106	0	21	10	0	31	27	99	19	0	145	15	47	19	0	81	363
Total	59	381	38	0	478	0	107	43	0	150	111	494	81	1	687	69	186	86	0	341	1656
Grand Total	591	3224	223	6	4044	0	988	496	2	1486	512	3320	618	7	4457	580	1000	558	11	2149	12136
Apprch %	14.6	79.7	5.5	0.1		0	66.5	33.4	0.1		11.5	74.5	13.9	0.2		27	46.5	26	0.5		
Total %	4.9	26.6	1.8	0	33.3	0	8.1	4.1	0	12.2	4.2	27.4	5.1	0.1	36.7	4.8	8.2	4.6	0.1	17.7	
Class 1	568	3122	208	6	3904	0	892	460	2	1354	474	3220	593	7	4294	560	881	548	11	2000	11552
% Class 1	96.1	96.8	93.3	100	96.5	0	90.3	92.7	100	91.1	92.6	97	96	100	96.3	96.6	88.1	98.2	100	93.1	95.2
Class 2	23	102	15	0	140	0	96	36	0	132	38	100	25	0	163	20	119	10	0	149	584
% Class 2	3.9	3.2	6.7	0	3.5	0	9.7	7.3	0	8.9	7.4	3	4	0	3.7	3.4	11.9	1.8	0	6.9	4.8

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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. 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	24	87	4	0	115	0	42	17	0	59	7	93	14	3	117	12	10	9	0	31	322
07:30 AM	15	100	3	0	118	0	42	31	0	73	5	125	24	0	154	13	18	10	1	42	387
07:45 AM	17	130	2	0	149	0	44	26	0	70	8	89	13	0	110	17	17	16	0	50	379
08:00 AM	28	96	0	0	124	0	22	24	0	46	7	73	16	0	96	19	15	5	1	40	306
Total Volume	84	413	9	0	506	0	150	98	0	248	27	380	67	3	477	61	60	40	2	163	1394
% App. Total	16.6	81.6	1.8	0		0	60.5	39.5	0		5.7	79.7	14	0.6		37.4	36.8	24.5	1.2		
PHF	.750	.794	.563	.000	.849	.000	.852	.790	.000	.849	.844	.760	.698	.250	.774	.803	.833	.625	.500	.815	.901



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Start Time	TH 120 From North					CSAH 6/Stillwater Blvd From East					TH 120 From South					CSAH 6/Stillwater Rd 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	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	<b>22</b>	97	9	0	128	0	23	<b>16</b>	0	39	26	135	23	0	184	17	35	<b>34</b>	0	86	437
04:30 PM	16	111	5	<b>2</b>	134	0	19	12	0	31	28	130	25	0	183	<b>24</b>	47	13	0	84	432
04:45 PM	15	109	8	0	132	0	14	10	0	24	21	<b>141</b>	20	0	182	20	<b>61</b>	20	0	<b>101</b>	439
05:00 PM	18	<b>113</b>	<b>17</b>	0	<b>148</b>	0	<b>40</b>	10	0	<b>50</b>	<b>32</b>	134	<b>27</b>	0	<b>193</b>	24	55	20	0	99	<b>490</b>
Total Volume	71	430	39	2	542	0	96	48	0	144	107	540	95	0	742	85	198	87	0	370	1798
% App. Total	13.1	79.3	7.2	0.4		0	66.7	33.3	0		14.4	72.8	12.8	0		23	53.5	23.5	0		
PHF	.807	.951	.574	.250	.916	.000	.600	.750	.000	.720	.836	.957	.880	.000	.961	.885	.811	.640	.000	.916	.917