

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

709 TH 120 & CSAH 20/CR B/40th St
Ref Pt: 006+00.213
data by: Alliant Inc
TURN MOVEMENT COUNT

File Name : 709_TH 120 & CSAH 20-County Road B-40th Street
Site Code : 1735676
Start Date : 4/18/2019
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					40th St From East					TH 120 From South					County Rd B 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	4	28	3	0	35	15	9	0	0	24	0	43	9	0	52	5	1	4	0	10	121
06:15 AM	7	39	11	1	58	23	16	3	0	42	1	55	7	0	63	7	4	7	1	19	182
06:30 AM	7	60	1	2	70	37	18	3	0	58	5	45	8	0	58	8	2	13	0	23	209
06:45 AM	3	52	3	1	59	22	16	6	0	44	1	44	22	2	69	13	10	8	0	31	203
Total	21	179	18	4	222	97	59	12	0	168	7	187	46	2	242	33	17	32	1	83	715
07:00 AM	0	47	6	0	53	27	29	4	0	60	4	53	20	0	77	19	8	8	0	35	225
07:15 AM	2	62	6	0	70	18	30	13	0	61	1	57	36	0	94	18	14	5	0	37	262
07:30 AM	2	64	10	0	76	23	35	6	0	64	1	109	27	0	137	19	17	17	0	53	330
07:45 AM	8	82	11	0	101	20	45	6	0	71	1	93	40	0	134	23	13	8	0	44	350
Total	12	255	33	0	300	88	139	29	0	256	7	312	123	0	442	79	52	38	0	169	1167
08:00 AM	2	70	9	0	81	27	24	2	0	53	4	81	30	1	116	20	14	7	0	41	291
08:15 AM	4	70	8	0	82	19	23	5	0	47	3	64	18	0	85	14	8	13	0	35	249
08:30 AM	7	64	12	1	84	28	22	2	0	52	4	79	26	1	110	26	7	14	1	48	294
08:45 AM	4	57	12	0	73	20	16	4	0	40	1	83	30	1	115	20	4	10	0	34	262
Total	17	261	41	1	320	94	85	13	0	192	12	307	104	3	426	80	33	44	1	158	1096
09:00 AM	4	55	9	0	68	23	12	6	0	41	2	63	18	1	84	17	11	9	0	37	230
09:15 AM	5	45	8	0	58	16	19	4	0	39	4	60	14	1	79	11	11	5	0	27	203
*** BREAK ***																					
Total	9	100	17	0	126	39	31	10	0	80	6	123	32	2	163	28	22	14	0	64	433
*** BREAK ***																					
10:30 AM	2	64	7	0	73	11	10	1	0	22	5	57	15	2	79	9	13	5	0	27	201
10:45 AM	1	62	11	0	74	18	15	5	0	38	4	69	14	3	90	9	8	2	0	19	221
Total	3	126	18	0	147	29	25	6	0	60	9	126	29	5	169	18	21	7	0	46	422
11:00 AM	4	69	13	0	86	13	11	4	0	28	1	54	11	0	66	15	10	6	0	31	211
11:15 AM	5	53	9	0	67	10	17	7	0	34	5	63	9	0	77	8	15	5	0	28	206
11:30 AM	4	42	11	0	57	15	11	1	0	27	1	75	9	0	85	6	14	5	0	25	194
11:45 AM	3	61	13	0	77	9	10	2	0	21	6	80	13	0	99	13	12	8	0	33	230
Total	16	225	46	0	287	47	49	14	0	110	13	272	42	0	327	42	51	24	0	117	841
12:00 PM	8	62	19	0	89	17	15	1	0	33	2	67	16	0	85	8	14	11	0	33	240
12:15 PM	9	66	14	0	89	24	10	4	0	38	10	61	11	0	82	14	9	5	0	28	237
12:30 PM	7	63	8	0	78	15	8	4	0	27	3	60	19	1	83	11	11	9	0	31	219
12:45 PM	7	62	7	1	77	12	19	2	2	35	2	82	16	6	106	11	13	5	1	30	248
Total	31	253	48	1	333	68	52	11	2	133	17	270	62	7	356	44	47	30	1	122	944
01:00 PM	8	62	11	1	82	14	5	2	0	21	1	68	13	3	85	15	16	5	0	36	224
01:15 PM	7	81	14	0	102	14	7	3	0	24	3	60	20	0	83	8	10	8	0	26	235
*** BREAK ***																					
Total	15	143	25	1	184	28	12	5	0	45	4	128	33	3	168	23	26	13	0	62	459
*** BREAK ***																					
02:30 PM	5	87	20	0	112	19	8	2	0	29	5	70	17	1	93	13	15	10	0	38	272
02:45 PM	6	90	15	2	113	13	12	4	0	29	3	87	17	1	108	28	33	6	0	67	317
Total	11	177	35	2	225	32	20	6	0	58	8	157	34	2	201	41	48	16	0	105	589
03:00 PM	8	102	21	2	133	14	16	6	0	36	5	77	14	0	96	28	26	8	0	62	327
03:15 PM	11	100	28	0	139	14	15	7	0	36	4	76	19	0	99	26	25	9	0	60	334
03:30 PM	4	103	28	0	135	18	22	6	3	49	3	76	24	2	105	21	34	11	0	66	355
03:45 PM	10	88	26	1	125	15	17	3	0	35	6	85	21	2	114	31	24	11	0	66	340
Total	33	393	103	3	532	61	70	22	3	156	18	314	78	4	414	106	109	39	0	254	1356

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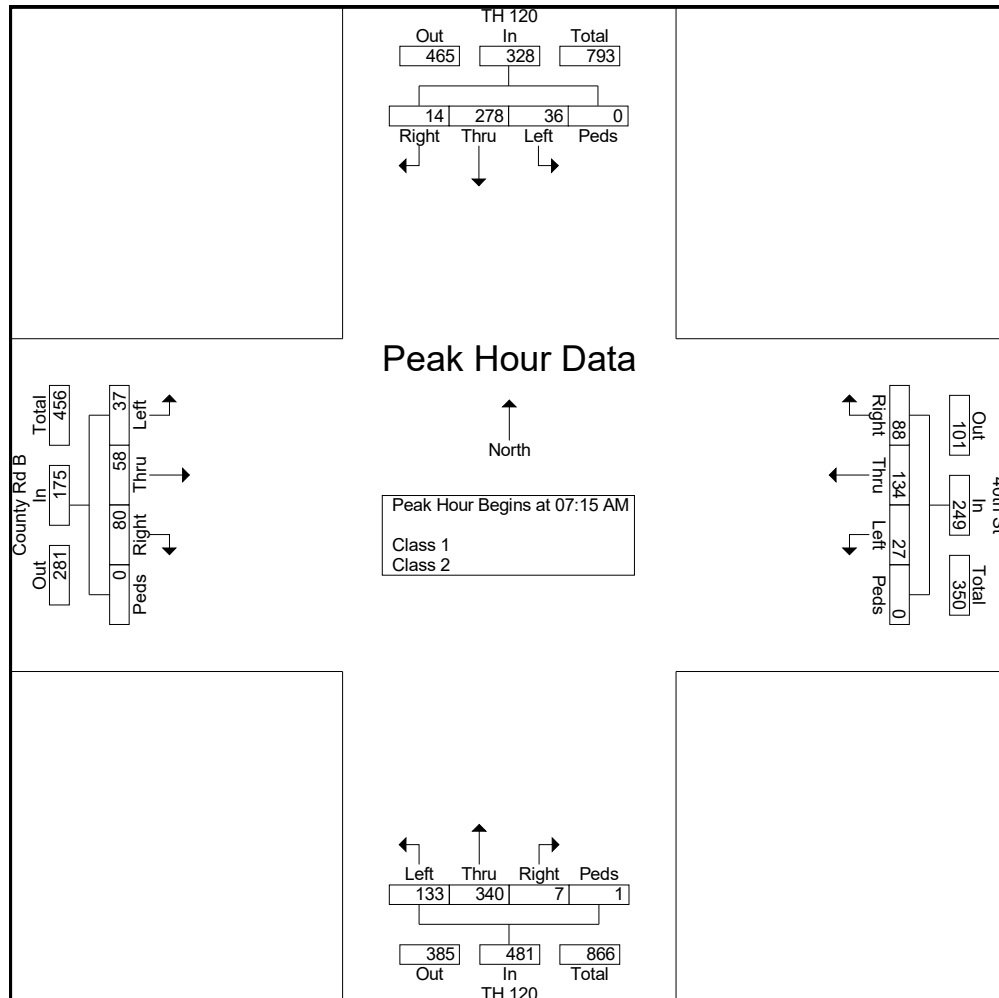
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	10	118	42	0	170	16	19	7	0	42	10	85	22	0	117	25	33	8	0	66	395
04:15 PM	5	104	28	0	137	14	33	6	2	55	3	103	26	2	134	31	27	8	0	66	392
04:30 PM	8	110	14	0	132	20	27	10	0	57	3	92	26	0	121	19	33	5	0	57	367
04:45 PM	9	97	17	1	124	9	22	10	1	42	10	100	24	1	135	25	36	6	0	67	368
Total	32	429	101	1	563	59	101	33	3	196	26	380	98	3	507	100	129	27	0	256	1522
05:00 PM	12	105	21	0	138	20	22	5	0	47	5	101	29	0	135	29	18	12	0	59	379
05:15 PM	10	96	23	0	129	14	16	2	0	32	8	107	23	0	138	20	33	11	0	64	363
05:30 PM	7	113	27	0	147	14	14	5	0	33	5	98	26	2	131	24	26	12	0	62	373
05:45 PM	5	92	33	1	131	17	23	7	0	47	4	83	23	3	113	18	13	9	0	40	331
Total	34	406	104	1	545	65	75	19	0	159	22	389	101	5	517	91	90	44	0	225	1446
Grand Total	234	2947	589	14	3784	707	718	180	8	1613	149	2965	782	36	3932	685	645	328	3	1661	10990
Apprch %	6.2	77.9	15.6	0.4		43.8	44.5	11.2	0.5		3.8	75.4	19.9	0.9		41.2	38.8	19.7	0.2		
Total %	2.1	26.8	5.4	0.1	34.4	6.4	6.5	1.6	0.1	14.7	1.4	27	7.1	0.3	35.8	6.2	5.9	3	0	15.1	
Class 1	224	2847	570	14	3655	680	684	169	8	1541	146	2852	759	33	3790	655	610	319	3	1587	10573
% Class 1	95.7	96.6	96.8	100	96.6	96.2	95.3	93.9	100	95.5	98	96.2	97.1	91.7	96.4	95.6	94.6	97.3	100	95.5	96.2
Class 2	10	100	19	0	129	27	34	11	0	72	3	113	23	3	142	30	35	9	0	74	417
% Class 2	4.3	3.4	3.2	0	3.4	3.8	4.7	6.1	0	4.5	2	3.8	2.9	8.3	3.6	4.4	5.4	2.7	0	4.5	3.8

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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	2	62	6	0	70	18	30	13	0	61	1	57	36	0	94	18	14	5	0	37	262
07:30 AM	2	64	10	0	76	23	35	6	0	64	1	109	27	0	137	19	17	17	0	53	330
07:45 AM	8	82	11	0	101	20	45	6	0	71	1	93	40	0	134	23	13	8	0	44	350
08:00 AM	2	70	9	0	81	27	24	2	0	53	4	81	30	1	116	20	14	7	0	41	291
Total Volume	14	278	36	0	328	88	134	27	0	249	7	340	133	1	481	80	58	37	0	175	1233
% App. Total	4.3	84.8	11	0		35.3	53.8	10.8	0		1.5	70.7	27.7	0.2		45.7	33.1	21.1	0		
PHF	.438	.848	.818	.000	.812	.815	.744	.519	.000	.877	.438	.780	.831	.250	.878	.870	.853	.544	.000	.825	.881



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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 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	10	118	42	0	170	16	19	7	0	42	10	85	22	0	117	25	33	8	0	66	395
04:15 PM	5	104	28	0	137	14	33	6	2	55	3	103	26	2	134	31	27	8	0	66	392
04:30 PM	8	110	14	0	132	20	27	10	0	57	3	92	26	0	121	19	33	5	0	57	367
04:45 PM	9	97	17	1	124	9	22	10	1	42	10	100	24	1	135	25	36	6	0	67	368
Total Volume	32	429	101	1	563	59	101	33	3	196	26	380	98	3	507	100	129	27	0	256	1522
% App. Total	5.7	76.2	17.9	0.2		30.1	51.5	16.8	1.5		5.1	75	19.3	0.6		39.1	50.4	10.5	0		
PHF	.800	.909	.601	.250	.828	.738	.765	.825	.375	.860	.650	.922	.942	.375	.939	.806	.896	.844	.000	.955	.963

