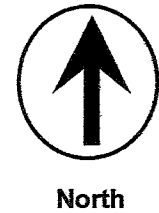
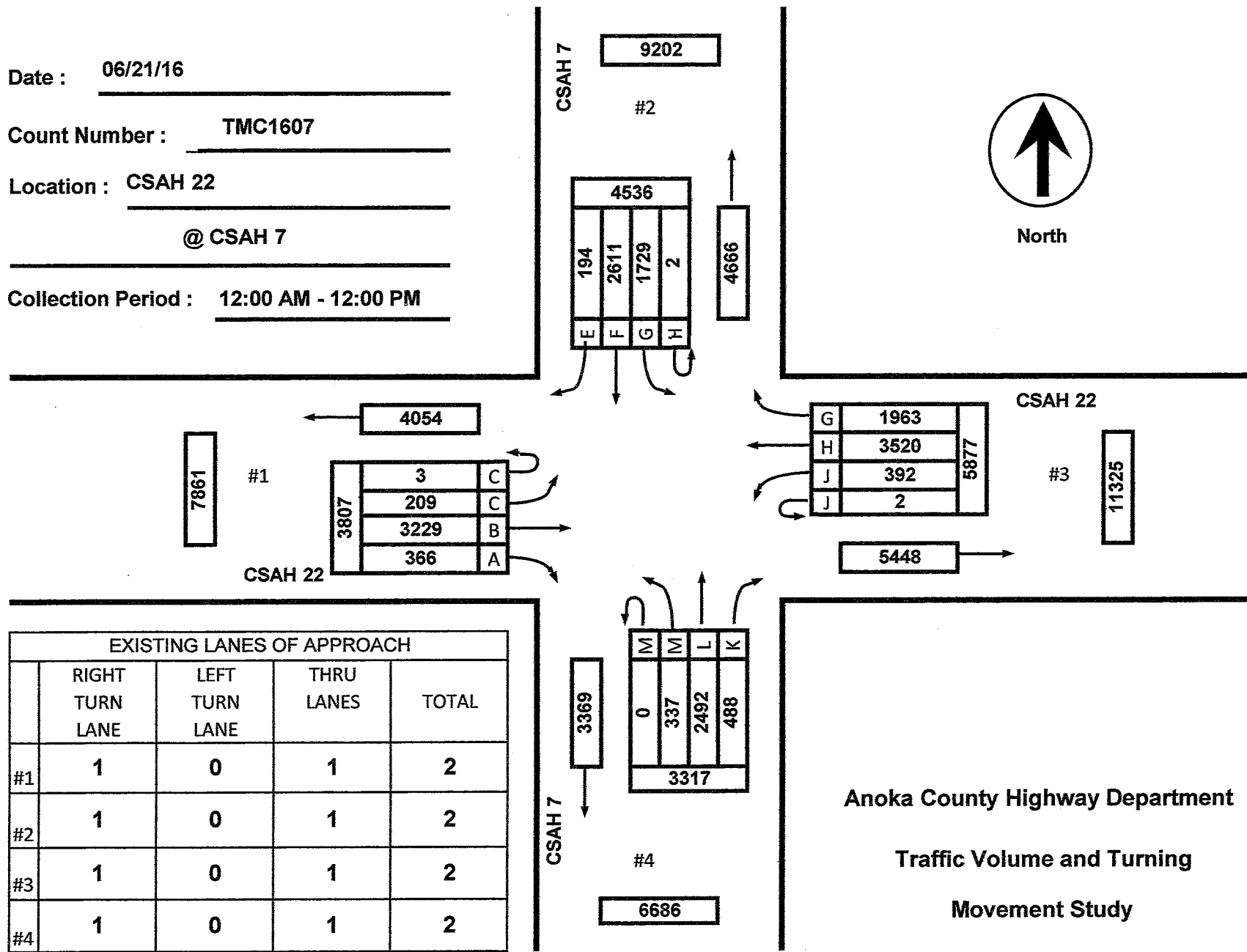


Date : 06/21/16

Count Number : TMC1607

Location : CSAH 22
@ CSAH 7

Collection Period : 12:00 AM - 12:00 PM



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	0	1	2
#2	1	0	1	2
#3	1	0	1	2
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

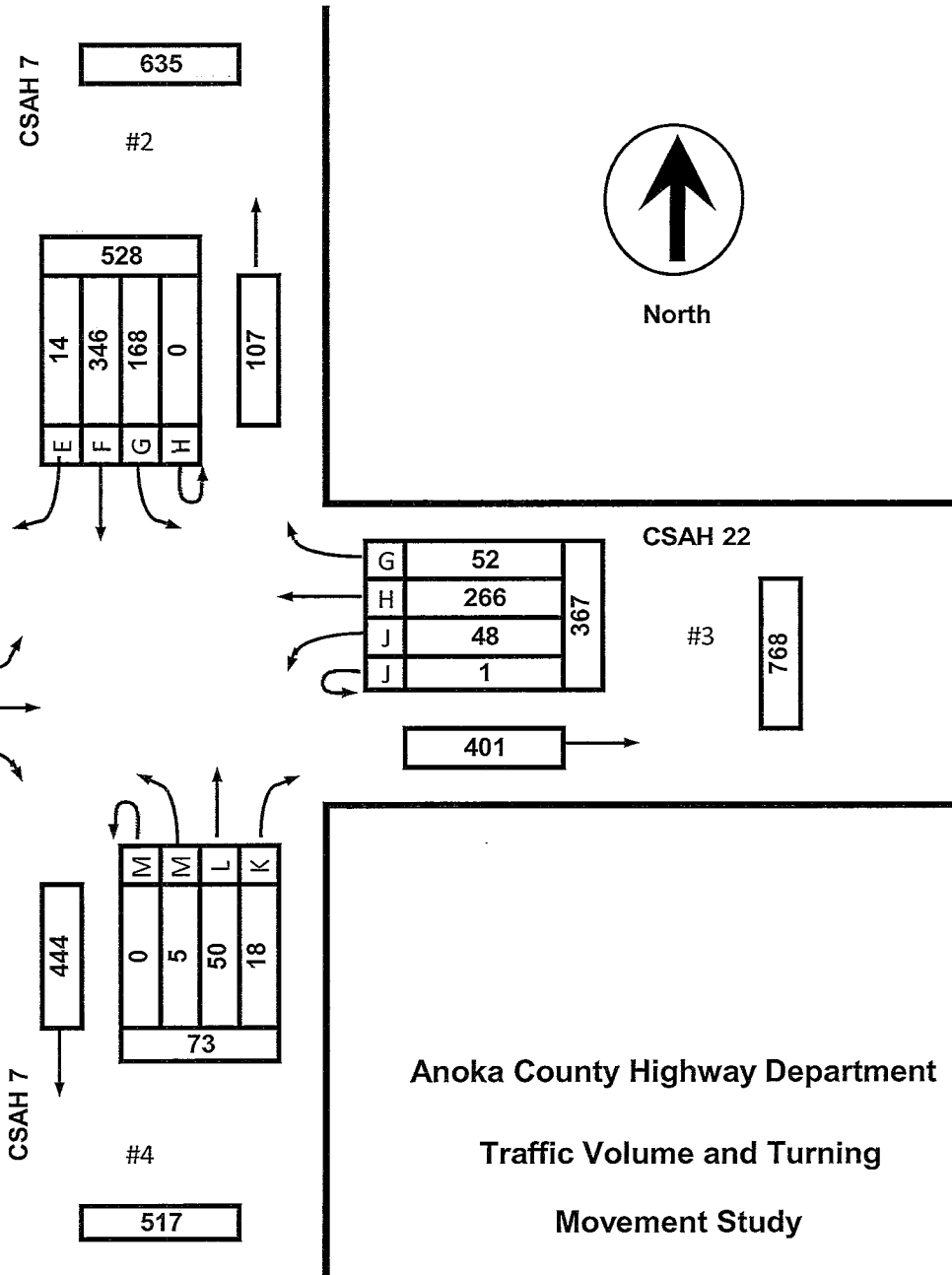
Date : 06/21/16

Count Number : TMC1607

Location : CSAH 22

@ CSAH 7

Collection Period : 6:45 - 7:45 AM



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	0	1	2
#2	1	0	1	2
#3	1	0	1	2
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

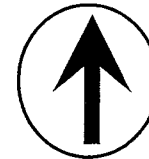
Date : 06/21/16

Count Number : TMC1607

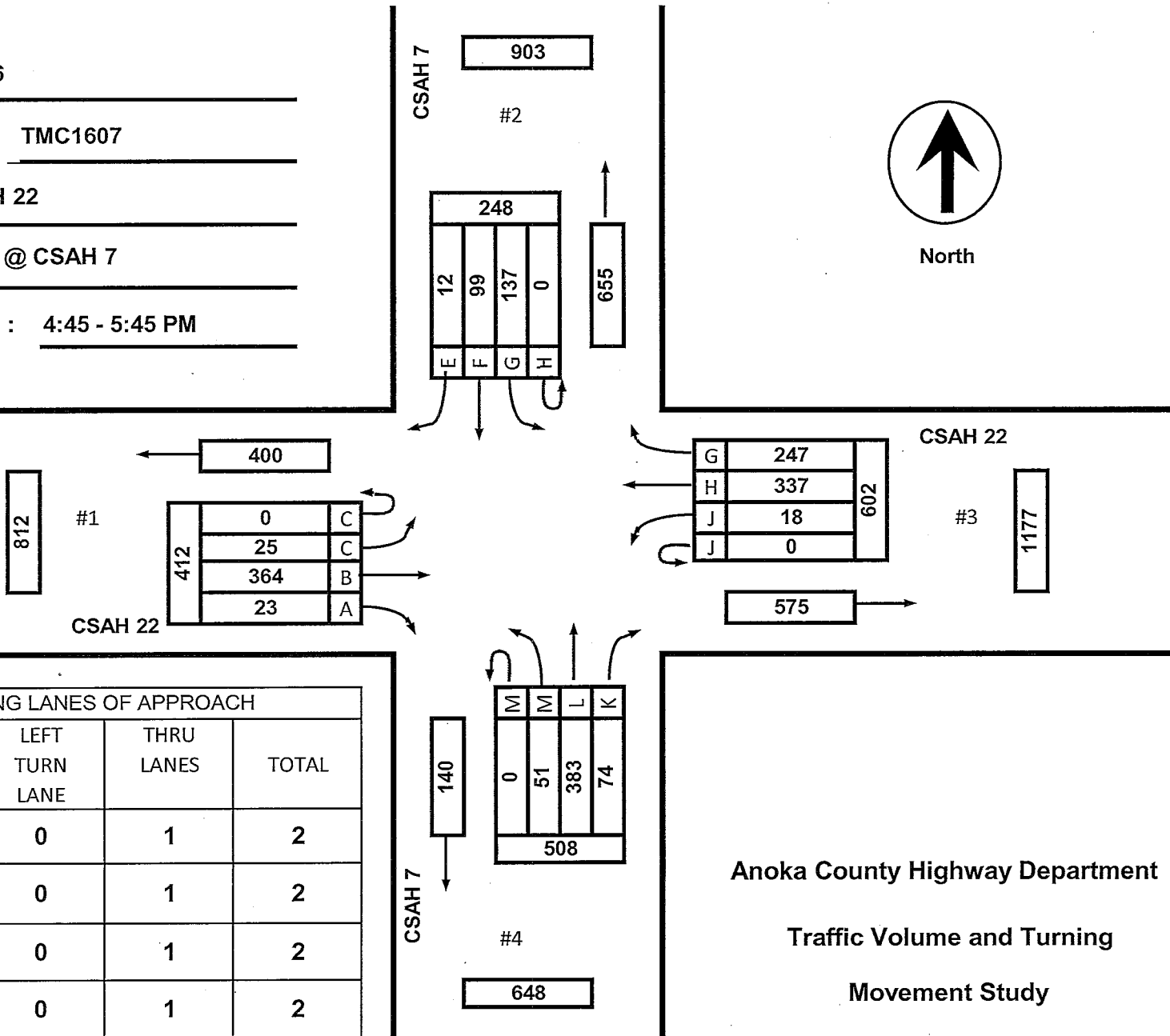
Location : CSAH 22

@ CSAH 7

Collection Period : 4:45 - 5:45 PM



North



EXISTING LANES OF APPROACH				
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	TOTAL
#1	1	0	1	2
#2	1	0	1	2
#3	1	0	1	2
#4	1	0	1	2

Anoka County Highway Department

Traffic Volume and Turning

Movement Study



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 1

Weather: hot and rainy
 CountCAM200
 Study conducted by: Kaitlind

Groups Printed- Cars + - Trucks

Start Time	CSAH 7 Southbound						CSAH 22 Westbound						CSAH 7 Northbound						CSAH 22 Eastbound						Exclu. Total	Inclu. Total	Int. Total	
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total				
00:00	0	2	1	0	0	3	0	0	6	5	0	11	0	0	6	0	0	6	0	0	6	0	0	6	0	0	26	26
00:15	0	2	1	0	0	3	0	0	4	5	0	9	0	1	10	0	0	11	0	0	5	0	0	5	0	0	28	28
00:30	0	1	4	1	0	6	0	1	4	2	0	7	0	0	2	0	0	2	2	0	2	0	0	4	0	0	19	19
00:45	0	1	0	0	0	1	0	1	2	3	0	6	0	0	2	0	0	2	0	0	3	0	0	3	0	0	12	12
Total	0	6	6	1	0	13	0	2	16	15	0	33	0	1	20	0	0	21	2	0	16	0	0	18	0	0	85	85
01:00	0	0	3	0	0	3	0	0	4	5	0	9	0	1	2	1	0	4	0	1	4	0	0	5	0	0	21	21
01:15	0	1	1	0	0	2	0	0	0	2	0	2	0	0	8	2	0	10	0	0	2	1	0	3	0	0	17	17
01:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	4	1	0	5	1	0	2	0	0	3	0	0	9	9
01:45	0	0	0	0	0	0	0	0	2	1	0	3	0	0	2	1	0	3	0	0	0	1	0	1	0	0	7	7
Total	0	1	4	0	0	5	0	0	7	8	0	15	0	1	16	5	0	22	1	1	8	2	0	12	0	0	54	54
02:00	0	0	1	0	0	1	0	0	3	1	0	4	0	0	2	0	0	2	0	1	4	0	0	5	0	0	12	12
02:15	0	1	4	0	0	5	0	0	1	0	0	1	0	1	2	1	0	4	0	0	4	1	0	5	0	0	15	15
02:30	0	0	7	0	0	7	0	0	5	0	0	5	0	0	2	0	0	2	0	0	0	0	0	0	0	0	14	14
02:45	0	0	2	0	0	2	0	0	2	1	0	3	0	0	5	0	0	5	0	0	0	0	0	0	0	0	10	10
Total	0	1	14	0	0	15	0	0	11	2	0	13	0	1	11	1	0	13	0	1	8	1	0	10	0	0	51	51
03:00	0	2	4	0	0	6	0	1	2	0	0	3	0	0	2	0	0	2	0	1	3	0	0	4	0	0	15	15
03:15	0	1	10	0	0	11	0	0	1	1	0	2	0	0	2	0	0	2	0	0	1	0	0	1	0	0	16	16
03:30	0	3	11	0	0	14	0	0	3	1	0	4	0	1	1	1	0	3	0	0	1	1	0	2	0	0	23	23
03:45	0	3	13	1	0	17	0	0	4	2	0	6	0	0	1	0	0	1	0	0	4	2	0	6	0	0	30	30
Total	0	9	38	1	0	48	0	1	10	4	0	15	0	1	6	1	0	8	0	1	9	3	0	13	0	0	84	84
04:00	0	6	19	3	0	28	0	0	6	1	0	7	0	1	0	1	0	2	0	2	3	0	0	5	0	0	42	42
04:15	0	9	20	0	0	29	0	1	12	1	0	14	0	0	1	0	0	1	0	0	4	2	0	6	0	0	50	50
04:30	0	13	42	2	0	57	0	4	10	3	0	17	0	0	3	1	0	4	0	0	7	3	0	10	0	0	88	88
04:45	0	9	43	2	0	54	0	2	15	2	0	19	0	0	1	1	0	2	0	0	11	5	0	16	0	0	91	91
Total	0	37	124	7	0	168	0	7	43	7	0	57	0	1	5	3	0	9	0	2	25	10	0	37	0	0	271	271
05:00	0	16	70	4	0	90	0	3	29	0	0	32	0	1	2	0	0	3	0	0	9	4	0	13	0	0	138	138
05:15	0	34	98	4	0	136	0	2	39	5	0	46	0	2	2	4	0	8	0	0	19	4	0	23	0	0	213	213
05:30	0	21	93	1	0	115	0	6	42	3	0	51	0	2	5	1	0	8	0	0	32	6	0	38	0	0	212	212
05:45	0	25	90	3	0	118	0	6	49	5	0	60	0	1	8	2	0	11	0	0	25	10	0	35	0	0	224	224
Total	0	96	351	12	0	459	0	17	159	13	0	189	0	6	17	7	0	30	0	0	85	24	0	109	0	0	787	787
06:00	0	32	91	5	0	128	0	11	53	6	0	70	0	2	6	2	0	10	0	0	28	13	0	41	0	0	249	249
06:15	0	37	109	4	0	150	0	10	51	5	0	66	0	2	8	3	0	13	0	3	45	18	0	66	0	0	295	295
06:30	0	48	93	10	0	151	0	10	50	9	0	69	0	3	11	7	0	21	0	3	62	19	0	84	0	0	325	325
06:45	0	41	98	3	0	142	0	7	67	6	0	80	0	0	5	3	0	8	0	1	56	8	0	65	0	0	295	295
Total	0	158	391	22	0	571	0	38	221	26	0	285	0	7	30	15	0	52	0	7	191	58	0	256	0	0	1164	1164



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 2

Weather: hot and rainy
 CountCAM200
 Study conducted by: Kaitlind

Groups Printed- Cars + - Trucks

Start Time	CSAH 7 Southbound						CSAH 22 Westbound						CSAH 7 Northbound						CSAH 22 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
07:00	0	40	83	5	0	128	0	18	52	16	0	86	0	1	10	4	0	15	0	1	52	10	0	63	0	292	292
07:15	0	46	91	3	0	140	0	10	47	14	0	71	0	4	20	6	0	30	0	2	54	11	0	67	0	308	308
07:30	0	41	74	3	0	118	1	13	100	16	0	130	0	0	15	5	0	20	0	1	52	21	0	74	0	342	342
07:45	0	29	69	2	0	100	0	10	45	18	0	73	0	1	9	7	0	17	0	3	60	5	0	68	0	258	258
Total	0	156	317	13	0	486	1	51	244	64	0	360	0	6	54	22	0	82	0	7	218	47	0	272	0	1200	1200
08:00	0	32	65	2	0	99	0	11	51	19	0	81	0	4	3	3	0	10	0	2	46	12	0	60	0	250	250
08:15	0	22	53	3	0	78	0	4	48	21	0	73	0	1	7	3	0	11	0	1	39	5	0	45	0	207	207
08:30	0	19	55	3	0	77	0	7	44	18	0	69	0	3	9	5	0	17	0	2	37	10	0	49	0	212	212
08:45	0	29	45	4	0	78	0	6	57	19	0	82	0	3	9	3	0	15	0	1	48	9	0	58	0	233	233
Total	0	102	218	12	0	332	0	28	200	77	0	305	0	11	28	14	0	53	0	6	170	36	0	212	0	902	902
09:00	0	13	31	2	0	46	0	6	36	12	0	54	0	3	11	5	0	19	0	2	36	8	0	46	0	165	165
09:15	0	26	36	0	0	62	0	5	37	15	0	57	0	0	9	4	0	13	0	2	39	5	0	46	0	178	178
09:30	0	23	45	4	0	72	0	6	36	20	0	62	0	0	13	4	0	17	0	1	33	5	0	39	0	190	190
09:45	0	12	25	3	0	40	0	6	32	21	0	59	0	3	18	3	0	24	0	2	33	6	0	41	0	164	164
Total	0	74	137	9	0	220	0	23	141	68	0	232	0	6	51	16	0	73	0	7	141	24	0	172	0	697	697
10:00	0	14	33	3	0	50	0	9	34	25	0	68	0	5	22	1	0	28	0	4	33	4	0	41	0	187	187
10:15	0	24	35	2	0	61	0	4	41	31	0	76	0	4	13	8	0	25	0	4	33	2	0	39	0	201	201
10:30	0	23	35	2	0	60	0	5	28	12	0	45	0	2	25	6	0	33	0	1	30	1	0	32	0	170	170
10:45	0	18	25	6	0	49	0	3	50	26	0	79	0	6	20	4	0	30	0	3	31	1	0	35	0	193	193
Total	0	79	128	13	0	220	0	21	153	94	0	268	0	17	80	19	0	116	0	12	127	8	0	147	0	751	751
11:00	0	13	29	3	0	45	0	5	25	20	0	50	0	8	17	4	0	29	0	1	38	2	0	41	0	165	165
11:15	0	31	29	2	0	62	0	1	35	18	0	54	0	5	22	6	0	33	0	3	35	2	0	40	0	189	189
11:30	1	27	28	4	0	60	0	3	36	16	0	55	0	2	15	8	0	25	0	1	37	5	0	43	0	183	183
11:45	0	22	28	2	0	52	0	2	43	25	0	70	0	1	22	1	0	24	0	3	38	6	0	47	0	193	193
Total	1	93	114	11	0	219	0	11	139	79	0	229	0	16	76	19	0	111	0	8	148	15	0	171	0	730	730
12:00	0	29	21	3	0	53	1	5	41	18	0	65	0	2	20	8	0	30	0	0	45	3	0	48	0	196	196
12:15	0	18	19	2	0	39	0	5	36	23	0	64	0	2	17	3	0	22	0	5	43	6	0	54	0	179	179
12:30	0	18	19	1	0	38	0	7	49	25	0	81	0	4	26	4	0	34	0	4	31	2	0	37	0	190	190
12:45	0	18	21	2	0	41	0	1	34	33	0	68	0	4	26	5	0	35	0	2	37	3	0	42	0	186	186
Total	0	83	80	8	0	171	1	18	160	99	0	278	0	12	89	20	0	121	0	11	156	14	0	181	0	751	751
13:00	0	15	22	3	0	40	0	7	39	22	0	68	0	6	15	6	0	27	0	0	44	3	0	47	0	182	182
13:15	0	18	33	1	0	52	0	8	33	29	0	70	0	5	21	8	0	34	0	5	27	4	0	36	0	192	192
13:30	0	21	30	0	0	51	0	6	52	31	0	89	0	4	33	7	0	44	0	2	27	6	0	35	0	219	219
13:45	0	24	25	1	0	50	0	3	33	35	0	71	0	6	33	2	0	41	0	1	44	5	0	50	0	212	212
Total	0	78	110	5	0	193	0	24	157	117	0	298	0	21	102	23	0	146	0	8	142	18	0	168	0	805	805



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 3

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

Groups Printed- Cars + - Trucks

Start Time	CSAH 7 Southbound						CSAH 22 Westbound						CSAH 7 Northbound						CSAH 22 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTm	Left	Thru	Right	Peds	App. Total	UTm	Left	Thru	Right	Peds	App. Total	UTm	Left	Thru	Right	Peds	App. Total	UTm	Left	Thru	Right	Peds	App. Total			
14:00	0	23	25	2	1	50	0	2	40	28	0	70	0	2	38	4	0	44	0	1	36	4	0	41	1	205	206
14:15	0	16	32	7	0	55	0	6	37	30	0	73	0	6	40	8	0	54	0	7	34	8	0	49	0	231	231
14:30	0	15	22	3	0	40	0	4	57	24	0	85	0	4	35	8	0	47	0	6	41	11	0	58	0	230	230
14:45	0	16	15	1	0	32	0	5	54	46	0	105	0	7	50	11	0	68	0	4	55	3	0	62	0	267	267
Total	0	70	94	13	1	177	0	17	188	128	0	333	0	19	163	31	0	213	0	18	166	26	0	210	1	933	934
15:00	0	19	18	2	0	39	0	6	54	42	0	102	0	5	65	14	0	84	0	5	46	8	0	59	0	284	284
15:15	0	17	20	6	0	43	0	6	52	38	0	96	0	10	82	14	0	106	0	4	67	4	0	75	0	320	320
15:30	0	28	15	0	0	43	0	5	67	48	0	120	0	10	91	14	0	115	0	4	52	3	0	59	0	337	337
15:45	0	29	10	0	0	39	0	5	71	46	0	122	0	8	98	16	0	122	0	5	76	1	0	82	0	365	365
Total	0	93	63	8	0	164	0	22	244	174	0	440	0	33	336	58	0	427	0	18	241	16	0	275	0	1306	1306
16:00	0	25	21	4	0	50	0	3	77	45	0	125	0	14	73	19	0	106	0	5	76	2	0	83	0	364	364
16:15	0	31	26	2	0	59	0	7	91	35	0	133	0	7	96	15	0	118	0	0	74	5	0	79	0	389	389
16:30	0	30	21	5	0	56	0	4	81	57	0	142	0	12	97	17	0	126	0	3	71	3	0	77	0	401	401
16:45	0	18	23	2	0	43	0	6	91	55	0	152	0	10	102	17	0	129	0	7	91	5	0	103	0	427	427
Total	0	104	91	13	0	208	0	20	340	192	0	552	0	43	368	68	0	479	0	15	312	15	0	342	0	1581	1581
17:00	0	31	36	6	0	73	0	6	82	59	0	147	0	13	98	15	0	126	0	6	85	7	0	98	0	444	444
17:15	0	44	19	2	0	65	0	3	83	73	0	159	0	17	93	20	0	130	0	7	93	6	0	106	0	460	460
17:30	0	44	21	2	0	67	0	3	81	60	0	144	0	11	90	22	0	123	0	5	95	5	1	105	1	439	440
17:45	0	29	23	5	0	57	0	6	97	49	0	152	0	6	89	13	0	108	0	5	66	2	0	73	0	390	390
Total	0	148	99	15	0	262	0	18	343	241	0	602	0	47	370	70	0	487	0	23	339	20	1	382	1	1733	1734
18:00	0	31	21	3	0	55	0	8	55	48	5	111	0	13	84	12	0	109	0	6	74	0	1	80	6	355	361
18:15	0	21	28	1	0	50	0	5	69	43	0	117	0	9	74	10	0	93	0	5	72	3	0	80	0	340	340
18:30	0	24	16	3	1	43	0	5	43	45	0	93	0	7	46	5	0	58	0	1	64	2	1	67	2	261	263
18:45	0	29	11	0	0	40	0	6	44	33	0	83	0	5	34	5	0	44	0	2	50	1	0	53	0	220	220
Total	0	105	76	7	1	188	0	24	211	169	5	404	0	34	238	32	0	304	0	14	260	6	2	280	8	1176	1184
19:00	0	24	13	1	0	38	0	3	54	45	0	102	0	7	35	2	0	44	0	0	44	2	0	46	0	230	230
19:15	0	17	6	3	0	26	0	4	35	36	0	75	0	5	49	11	0	65	0	2	38	0	0	40	0	206	206
19:30	0	22	8	5	0	35	0	1	35	35	0	71	0	4	30	3	0	37	0	2	45	2	0	49	0	192	192
19:45	0	20	14	0	0	34	0	7	45	20	0	72	0	7	39	10	0	56	0	3	35	1	0	39	0	201	201
Total	0	83	41	9	0	133	0	15	169	136	0	320	0	23	153	26	0	202	0	7	162	5	0	174	0	829	829
20:00	0	25	13	3	0	41	0	4	74	31	0	109	0	6	30	4	0	40	0	4	35	2	0	41	0	231	231
20:15	0	22	14	3	0	39	0	2	45	33	0	80	0	2	33	6	0	41	0	3	25	3	0	31	0	191	191
20:30	0	20	12	1	0	33	0	4	29	25	0	58	0	5	22	5	0	32	0	7	26	0	0	33	0	156	156
20:45	0	20	10	1	0	31	0	2	20	19	0	41	0	1	26	2	0	29	0	1	29	2	0	32	0	133	133
Total	0	87	49	8	0	144	0	12	168	108	0	288	0	14	111	17	0	142	0	15	115	7	0	137	0	711	711



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 4

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

Groups Printed- Cars + - Trucks

Start Time	CSAH 7 Southbound						CSAH 22 Westbound						CSAH 7 Northbound						CSAH 22 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
21:00	0	10	2	2	0	14	0	2	27	18	0	47	0	1	26	4	0	31	0	2	22	1	0	25	0	117	117
21:15	0	11	10	1	0	22	0	3	32	23	0	58	0	0	17	5	0	22	0	3	26	3	0	32	0	134	134
21:30	0	7	8	2	0	17	0	1	17	15	0	33	0	1	13	1	0	15	0	6	19	0	0	25	0	90	90
21:45	0	6	6	0	0	12	0	2	28	15	0	45	0	1	17	1	0	19	0	1	20	2	0	23	0	99	99
Total	0	34	26	5	0	65	0	8	104	71	0	183	0	3	73	11	0	87	0	12	87	6	0	105	0	440	440
22:00	0	12	9	1	0	22	0	4	11	17	0	32	0	1	12	2	0	15	0	2	26	2	0	30	0	99	99
22:15	0	4	7	0	0	11	0	3	18	12	0	33	0	3	13	1	0	17	0	3	12	0	0	15	0	76	76
22:30	0	4	5	0	0	9	0	3	14	9	0	26	0	1	16	1	0	18	0	3	25	2	0	30	0	83	83
22:45	0	3	6	0	0	9	0	0	21	7	0	28	0	4	14	3	0	21	0	1	12	1	0	14	0	72	72
Total	0	23	27	1	0	51	0	10	64	45	0	119	0	9	55	7	0	71	0	9	75	5	0	89	0	330	330
23:00	0	4	5	0	0	9	0	1	8	12	0	21	0	2	12	0	0	14	0	1	3	0	0	4	0	48	48
23:15	0	3	5	0	0	8	0	1	6	4	0	11	0	2	12	1	0	15	0	3	12	0	0	15	0	49	49
23:30	1	1	2	0	0	4	0	2	10	5	0	17	0	1	8	1	0	10	0	1	8	0	0	9	0	40	40
23:45	0	1	1	1	0	3	0	1	4	5	0	10	0	0	8	1	0	9	0	2	5	0	0	7	0	29	29
Total	1	9	13	1	0	24	0	5	28	26	0	59	0	5	40	3	0	48	0	7	28	0	0	35	0	166	166
Grand Total	2	1729	2611	194	2	4536	2	392	3520	1963	5	5877	0	337	2492	488	0	3317	3	209	3229	366	3	3807	10	17537	17547
Apprch %	0	38.1	57.6	4.3			0	6.7	59.9	33.4			0	10.2	75.1	14.7			0.1	5.5	84.8	9.6					
Total %	0	9.9	14.9	1.1		25.9	0	2.2	20.1	11.2		33.5	0	1.9	14.2	2.8		18.9	0	1.2	18.4	2.1		21.7	0.1	99.9	
Cars +	2	1687	2574	191		4456	2	376	3307	1918		5608	0	330	2449	480		3259	3	205	3060	360		3631	0	0	16954
% Cars +	100	97.6	98.6	98.5	100	98.2	100	95.9	93.9	97.7	100	95.3	0	97.9	98.3	98.4	0	98.3	100	98.1	94.8	98.4	100	95.3	0	0	96.6
Trucks	0	42	37	3		82	0	16	213	45		274	0	7	43	8		58	0	4	169	6		179	0	0	593
% Trucks	0	2.4	1.4	1.5	0	1.8	0	4.1	6.1	2.3	0	4.7	0	2.1	1.7	1.6	0	1.7	0	1.9	5.2	1.6	0	4.7	0	0	3.4



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 5

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

Start Time	CSAH 7 Southbound					CSAH 22 Westbound					CSAH 7 Northbound					CSAH 22 Eastbound					Int. Total
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	
Peak Hour Analysis From 00:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45																					
06:45	0	41	98	3	142	0	7	67	6	80	0	0	5	3	8	0	1	56	8	65	295
07:00	0	40	83	5	128	0	18	52	16	86	0	1	10	4	15	0	1	52	10	63	292
07:15	0	46	91	3	140	0	10	47	14	71	0	4	20	6	30	0	2	54	11	67	308
07:30	0	41	74	3	118	1	13	100	16	130	0	0	15	5	20	0	1	52	21	74	342
Total Volume	0	168	346	14	528	1	48	266	52	367	0	5	50	18	73	0	5	214	50	269	1237
% App. Total	0	31.8	65.5	2.7		0.3	13.1	72.5	14.2		0	6.8	68.5	24.7		0	1.9	79.6	18.6		
PHF	.000	.913	.883	.700	.930	.250	.667	.665	.813	.706	.000	.313	.625	.750	.608	.000	.625	.955	.595	.909	.904

Peak Hour Analysis From 12:00 to 19:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	0	18	23	2	43	0	6	91	55	152	0	10	102	17	129	0	7	91	5	103	427
17:00	0	31	36	6	73	0	6	82	59	147	0	13	98	15	126	0	6	85	7	98	444
17:15	0	44	19	2	65	0	3	83	73	159	0	17	93	20	130	0	7	93	6	106	460
17:30	0	44	21	2	67	0	3	81	60	144	0	11	90	22	123	0	5	95	5	105	439
Total Volume	0	137	99	12	248	0	18	337	247	602	0	51	383	74	508	0	25	364	23	412	1770
% App. Total	0	55.2	39.9	4.8		0	3	56	41		0	10	75.4	14.6		0	6.1	88.3	5.6		
PHF	.000	.778	.688	.500	.849	.000	.750	.926	.846	.947	.000	.750	.939	.841	.977	.000	.893	.958	.821	.972	.962



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 1

Groups Printed- Trucks

Start Time	CSAH 7 Southbound					CSAH 22 Westbound					CSAH 7 Northbound					CSAH 22 Eastbound					Int. Total	
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total		
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:15	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3
05:30	0	0	2	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	3
05:45	0	1	2	0	3	0	0	1	2	3	0	0	0	0	0	0	0	1	0	1	1	7
Total	0	2	5	0	7	0	1	3	2	6	0	0	0	0	0	0	0	2	0	2	2	15
06:00	0	2	1	0	3	0	0	2	0	2	0	0	0	0	0	0	0	6	0	6	6	11
06:15	0	1	1	0	2	0	0	3	0	3	0	0	0	0	0	0	0	3	0	3	3	8
06:30	0	2	1	0	3	0	1	2	0	3	0	0	1	0	1	0	0	4	0	4	4	11
06:45	0	1	1	0	2	0	1	2	0	3	0	0	0	0	0	0	0	2	0	2	2	7
Total	0	6	4	0	10	0	2	9	0	11	0	0	1	0	1	0	0	15	0	15	15	37
07:00	0	1	1	0	2	0	0	4	1	5	0	0	2	0	2	0	0	4	0	4	4	13
07:15	0	1	0	0	1	0	0	3	1	4	0	0	1	1	2	0	1	5	0	6	6	13
07:30	0	6	0	0	6	0	0	3	0	3	0	0	0	0	0	0	0	1	1	2	2	11
07:45	0	0	1	0	1	0	0	4	2	6	0	0	0	0	0	0	0	5	0	5	5	12
Total	0	8	2	0	10	0	0	14	4	18	0	0	3	1	4	0	1	15	1	17	17	49
08:00	0	0	2	0	2	0	1	6	2	9	0	0	0	0	0	0	0	2	1	3	3	14
08:15	0	0	1	0	1	0	2	1	1	4	0	0	1	0	1	0	0	3	0	3	3	9
08:30	0	0	1	0	1	0	0	4	1	5	0	1	0	0	1	0	0	0	0	0	0	7
08:45	0	3	1	0	4	0	0	2	1	3	0	0	0	0	0	0	0	4	0	4	4	11
Total	0	3	5	0	8	0	3	13	5	21	0	1	1	0	2	0	0	9	1	10	10	41
09:00	0	0	0	1	1	0	0	1	0	1	0	0	1	0	1	0	0	2	0	2	2	5
09:15	0	0	2	0	2	0	0	5	0	5	0	0	0	0	0	0	0	5	0	5	5	12
09:30	0	1	1	0	2	0	0	1	1	2	0	0	1	0	1	0	0	4	0	4	4	9
09:45	0	0	0	0	0	0	0	2	0	2	0	0	1	0	1	0	0	3	0	3	3	6
Total	0	1	3	1	5	0	0	9	1	10	0	0	3	0	3	0	0	14	0	14	14	32



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 2

Groups Printed- Trucks

Start Time	CSAH 7 Southbound					CSAH 22 Westbound					CSAH 7 Northbound					CSAH 22 Eastbound					Int. Total
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	
10:00	0	0	0	0	0	0	2	5	3	10	0	1	0	0	1	0	0	3	0	3	14
10:15	0	2	0	1	3	0	1	7	0	8	0	0	0	0	0	0	0	4	0	4	15
10:30	0	0	1	0	1	0	0	3	1	4	0	0	1	0	1	0	0	5	0	5	11
10:45	0	0	1	0	1	0	0	7	0	7	0	1	1	0	2	0	0	5	0	5	15
Total	0	2	2	1	5	0	3	22	4	29	0	2	2	0	4	0	0	17	0	17	55
11:00	0	0	0	0	0	0	0	1	0	1	0	1	1	1	3	0	0	5	1	6	10
11:15	0	1	0	0	1	0	0	4	0	4	0	0	1	0	1	0	0	2	0	2	8
11:30	0	1	0	0	1	0	0	9	0	9	0	0	1	2	3	0	0	3	0	3	16
11:45	0	1	2	0	3	0	0	6	0	6	0	0	1	0	1	0	0	1	1	2	12
Total	0	3	2	0	5	0	0	20	0	20	0	1	4	3	8	0	0	11	2	13	46
12:00	0	1	1	0	2	0	0	11	1	12	0	0	0	0	0	0	0	6	1	7	21
12:15	0	0	2	0	2	0	0	4	1	5	0	0	0	0	0	0	3	4	0	7	14
12:30	0	1	2	0	3	0	0	4	1	5	0	0	0	1	1	0	0	3	0	3	12
12:45	0	0	0	0	0	0	0	4	1	5	0	0	0	0	0	0	0	2	0	2	7
Total	0	2	5	0	7	0	0	23	4	27	0	0	0	1	1	0	3	15	1	19	54
13:00	0	1	0	0	1	0	0	4	0	4	0	0	0	0	0	0	0	4	0	4	9
13:15	0	0	1	0	1	0	0	0	1	1	0	0	4	2	6	0	0	3	0	3	11
13:30	0	2	1	0	3	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	6
13:45	0	2	0	0	2	0	0	1	2	3	0	0	0	0	0	0	0	8	0	8	13
Total	0	5	2	0	7	0	0	8	3	11	0	0	4	2	6	0	0	15	0	15	39
14:00	0	1	3	0	4	0	0	3	4	7	0	0	1	0	1	0	0	2	0	2	14
14:15	0	1	0	0	1	0	1	8	0	9	0	0	1	0	1	0	0	3	1	4	15
14:30	0	1	0	1	2	0	1	2	2	5	0	0	3	0	3	0	0	5	0	5	15
14:45	0	0	0	0	0	0	0	5	1	6	0	1	0	0	1	0	0	4	0	4	11
Total	0	3	3	1	7	0	2	18	7	27	0	1	5	0	6	0	0	14	1	15	55
15:00	0	1	0	0	1	0	3	4	1	8	0	0	1	0	1	0	0	5	0	5	15
15:15	0	1	0	0	1	0	0	5	0	5	0	1	3	0	4	0	0	2	0	2	12
15:30	0	0	0	0	0	0	0	5	2	7	0	0	4	0	4	0	0	1	0	1	12
15:45	0	0	0	0	0	0	0	9	3	12	0	0	0	0	0	0	0	2	0	2	14
Total	0	2	0	0	2	0	3	23	6	32	0	1	8	0	9	0	0	10	0	10	53
16:00	0	0	1	0	1	0	0	5	2	7	0	0	2	1	3	0	0	1	0	1	12
16:15	0	1	0	0	1	0	0	7	0	7	0	0	1	0	1	0	0	2	0	2	11
16:30	0	0	0	0	0	0	0	4	1	5	0	0	2	0	2	0	0	3	0	3	10
16:45	0	0	0	0	0	0	1	7	1	9	0	0	2	0	2	0	0	2	0	2	13
Total	0	1	1	0	2	0	1	23	4	28	0	0	7	1	8	0	0	8	0	8	46
17:00	0	1	0	0	1	0	0	3	1	4	0	0	0	0	0	0	0	4	0	4	9
17:15	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	1	0	1	4
17:30	0	0	1	0	1	0	0	8	0	8	0	1	2	0	3	0	0	3	0	3	15
17:45	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	3	0	3	5
Total	0	1	1	0	2	0	0	14	3	17	0	1	2	0	3	0	0	11	0	11	33
18:00	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	3	0	3	5
18:15	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	3
18:30	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2	4
18:45	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	2	0	2	4
Total	0	2	1	0	3	0	0	4	0	4	0	0	1	0	1	0	0	8	0	8	16
19:00	0	0	0	0	0	0	0	2	0	2	0	0	1	0	1	0	0	2	0	2	5
19:15	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	2	0	2	5
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0	0	0	0	0	2
Total	0	0	0	0	0	0	1	4	1	6	0	0	2	0	2	0	0	4	0	4	12



Anoka County Highway Department

Traffic Engineering Section

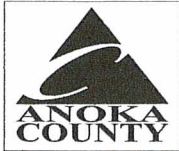
Traffic Volume and Turning Movement Study

Weather: hot and rainy
 Count: CAM200
 Study conducted by: Kaitlind

File Name : TMC1607
 Site Code :
 Start Date : 06/21/2016
 Page No : 3

Groups Printed- Trucks

Start Time	CSAH 7 Southbound					CSAH 22 Westbound					CSAH 7 Northbound					CSAH 22 Eastbound					Int. Total	
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total		
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	3
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:45	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	1	0	0	1	0	0	3	0	3	0	0	0	0	0	0	0	1	0	1	5	
21:00	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	2
21:15	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	3	
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	42	37	3	82	0	16	213	45	274	0	7	43	8	58	0	4	169	6	179	593	
Apprch %	0	51.2	45.1	3.7		0	5.8	77.7	16.4		0	12.1	74.1	13.8		0	2.2	94.4	3.4			
Total %	0	7.1	6.2	0.5	13.8	0	2.7	35.9	7.6	46.2	0	1.2	7.3	1.3	9.8	0	0.7	28.5	1	30.2		



**ANOKA COUNTY HIGHWAY
PC-WARRANTS
TRAFFIC SIGNAL WARRANT ANALYSIS**

Study Name : **TMC1607**
Study Date : **06/27/16**
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Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 22
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: **3,804**

Westbound: CSAH 22
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: **5,875**

Minor Street Approaches

Northbound: CSAH 7
Number of Lanes: 2

Total Approach Volume: **3,317**

Southbound: CSAH 7
Number of Lanes: 2

Total Approach Volume: **4,534**

Warrant Summary (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume Satisfied	
Required volumes reached for 14 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic Not Satisfied	
Required volumes reached for 5 hours, 8 are needed	
Warrant 1C - Combination of Warrants Satisfied	
Required 1A volumes reached for 15 hours, 8 are needed	
Required 1B volumes reached for 8 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (9) volumes exceed minimum >= minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay Satisfied	
Number of hours (35) volumes exceed minimum >= required (1). Delay data not evaluated.	
Warrant 3B - Peak Hour Volumes Satisfied	
Volumes exceed minimums for at least one hour.	
Warrant 4 - Pedestrian Volumes	Not Evaluated
Warrant 5 - School Crossing	Not Evaluated
Warrant 6 - Coordinated Signal System	Not Evaluated
Warrant 7 - Crash Experience	Not Evaluated
Warrant 8 - Roadway Network	Not Evaluated
Warrant 9 - Intersection Near a Grade Crossing	Not Evaluated



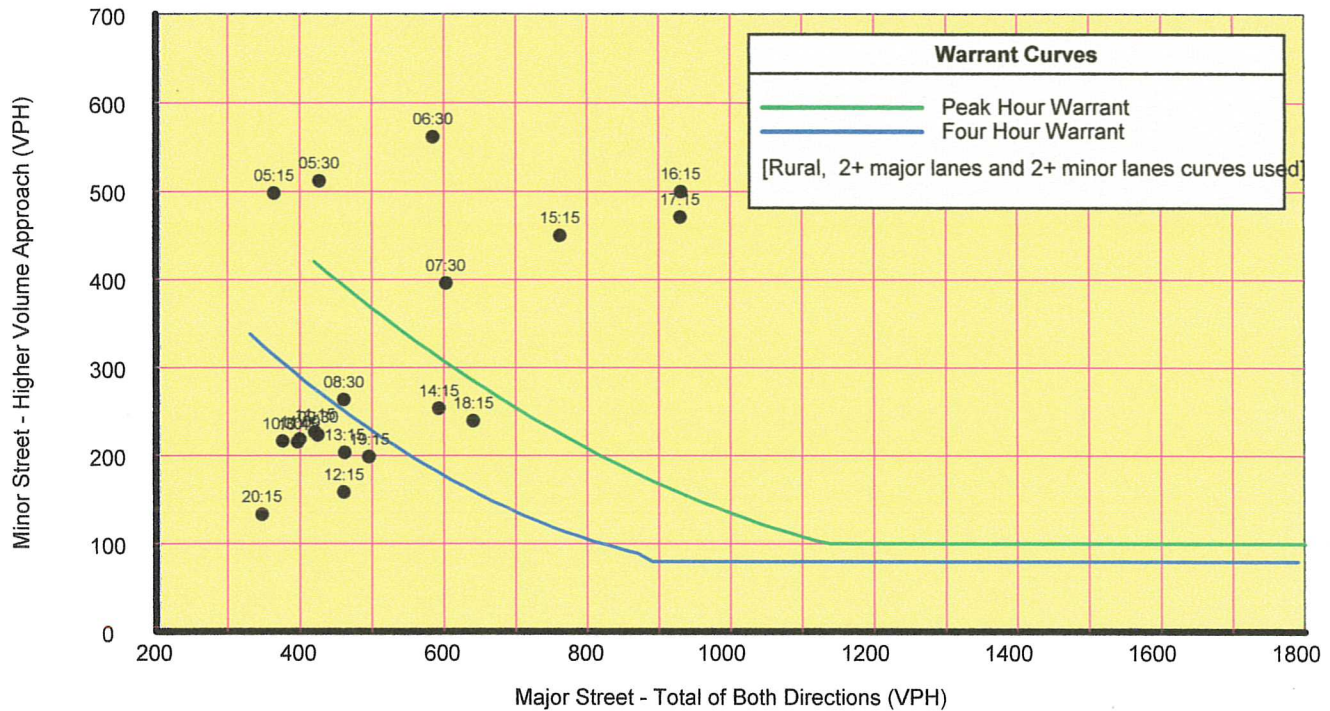
ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

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Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

War 1A-Minimum Volume

War 1B-Interruption of Traffic

War 1C-Combination of Warrants

Hour Begin	Major Total	Minor Vol Dir	Maj 420	Min 140	Hour Begin	Major Total	Minor Vol Dir	Maj 630	Min 70	Hour Begin	Major Total	Minor Vol Dir	1A Met	1B Met
16:15	931	499 NB	Yes	Yes	16:30	984	511 NB	Yes	Yes	17:00	984	487 NB	-	Yes
17:15	930	470 NB	Yes	Yes	17:30	862	433 NB	Yes	Yes	16:15	931	499 NB	Yes	-
15:15	762	449 NB	Yes	Yes	15:30	803	461 NB	Yes	Yes	17:15	930	470 NB	Yes	-
18:15	641	239 NB	Yes	Yes	14:30	642	305 NB	Yes	Yes	16:00	894	479 NB	-	Yes
07:30	603	395 SB	Yes	Yes	06:45	635	528 SB	Yes	Yes	15:15	762	449 NB	Yes	-
14:15	593	253 NB	Yes	Yes	14:15	593	253 NB	No	Yes	15:00	715	427 NB	-	Yes
06:30	585	561 SB	Yes	Yes	06:30	585	561 SB	No	Yes	18:00	684	304 NB	-	Yes
19:15	496	198 NB	Yes	Yes	06:15	579	571 SB	No	Yes	18:15	641	239 NB	Yes	-
13:15	462	203 SB	Yes	Yes	18:30	559	211 NB	No	Yes	07:00	631	486 SB	-	Yes
12:15	461	158 SB	Yes	Yes	14:00	543	213 NB	No	Yes	07:15	623	457 SB	Yes	-
08:30	461	263 SB	Yes	Yes	06:00	541	571 SB	No	Yes	14:15	593	253 NB	Yes	-
05:30	427	511 SB	Yes	Yes	18:45	519	190 NB	No	Yes	06:15	579	571 SB	Yes	-
09:30	425	223 SB	Yes	Yes	07:45	518	354 SB	No	Yes	14:00	543	213 NB	-	Yes
11:15	421	226 SB	Yes	Yes	08:00	517	332 SB	No	Yes	06:00	541	571 SB	-	Yes
11:00	400	218 SB	No	Yes	13:45	497	195 SB	No	Yes	08:00	517	332 SB	-	Yes
10:45	397	215 SB	No	Yes	19:15	496	198 NB	No	Yes	19:15	496	198 NB	Yes	No
10:30	376	216 SB	No	Yes	19:00	494	202 NB	No	Yes	08:15	476	279 SB	Yes	-
05:15	364	497 SB	No	Yes	19:30	492	174 NB	No	Yes	13:15	462	203 SB	Yes	No
20:15	347	133 NB	No	No	05:45	491	547 SB	No	Yes	12:15	461	158 SB	Yes	No
20:30	326	114 NB	No	No	13:30	478	206 SB	No	Yes	11:15	421	226 SB	Yes	No
05:00	298	459 SB	No	Yes	08:15	476	279 SB	No	Yes	09:15	413	224 SB	Yes	No
20:45	293	97 NB	No	No	13:00	466	193 SB	No	Yes	10:15	397	215 SB	Yes	No
21:00	288	87 NB	No	No	11:45	465	182 SB	No	Yes	05:15	364	497 SB	Yes	No
21:15	278	73 SB	No	No	19:45	463	169 NB	No	Yes	20:15	347	133 NB	Yes	No



ANOKA COUNTY HIGHWAY PC-WARRANTS TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC1607
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Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: CSAH 22
Total Approach Volume: **3,804**
85% Speed > 40 MPH.

Westbound: CSAH 22
Total Approach Volume: **5,875**
85% Speed > 40 MPH.

Minor Street Approaches

Northbound: CSAH 7
Total Approach Volume: **3,317**

Southbound: CSAH 7
Total Approach Volume: **4,534**

Warrant Summary

- Criteria A - Interim Measure** Not Evaluated
If traffic signals are justified, stop signs can be installed as an interim measure.
- Criteria B - Crash Experience** Not Evaluated
- Criteria C - Minimum Volumes and Delays** Satisfied
Delay data not evaluated
Required volumes reached for 17 hours, 8 are needed
- Criteria D - 80% of Volumes, Delays, and Crashes** Not Evaluated
Delay data not evaluated
Number of crashes (-1) is less than the minimum required (4).
Required volumes reached for 0 hours, 8 are needed

Analysis of 8-Hour Volume Warrants:

Time	Major	Minor	Crit C			Crit D		
	Total	Total	Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
04:45 - 05:45	238	416	210-Yes	140-Yes	Both	240-No	160-Yes	Minor
05:45 - 06:45	491	602	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
06:45 - 07:45	635	601	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
07:45 - 08:45	518	409	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
08:45 - 09:45	444	322	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
09:45 - 10:45	401	321	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
10:45 - 11:45	397	332	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
11:45 - 12:45	465	292	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
12:45 - 13:45	455	324	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
13:45 - 14:45	497	381	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
14:45 - 15:45	678	530	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
15:45 - 16:45	843	676	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
16:45 - 17:45	1,014	756	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
17:45 - 18:45	773	573	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
18:45 - 19:45	519	329	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
19:45 - 20:45	463	316	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
20:45 - 21:45	293	181	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
21:45 - 22:45	234	123	210-Yes	140-No	Major	240-No	160-No	No
00:00 - 01:00	49	34	210-No	140-No	No	240-No	160-No	No
00:15 - 01:15	46	32	210-No	140-No	No	240-No	160-No	No
00:30 - 01:30	37	30	210-No	140-No	No	240-No	160-No	No
00:45 - 01:45	31	27	210-No	140-No	No	240-No	160-No	No
01:00 - 02:00	26	27	210-No	140-No	No	240-No	160-No	No
01:15 - 02:15	21	23	210-No	140-No	No	240-No	160-No	No