

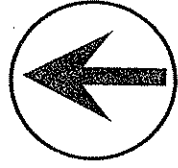
Date : 08/01/12

Count Number : TMC1231

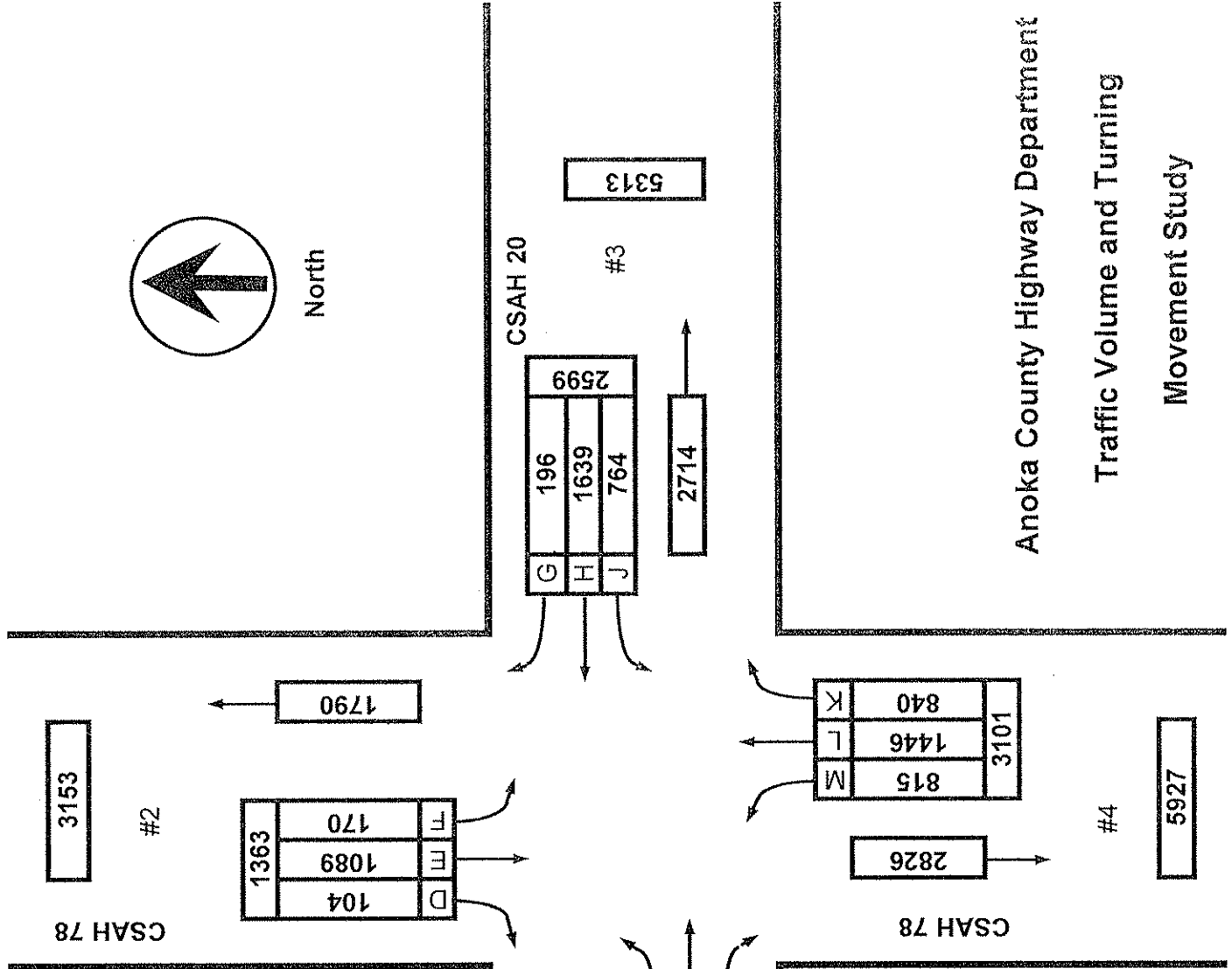
Location : CSAH 78 (Hanson Blvd.)

@ CSAH 20 (161st Ave.)

Collection Period : 6:00 AM - 10:00 PM



North



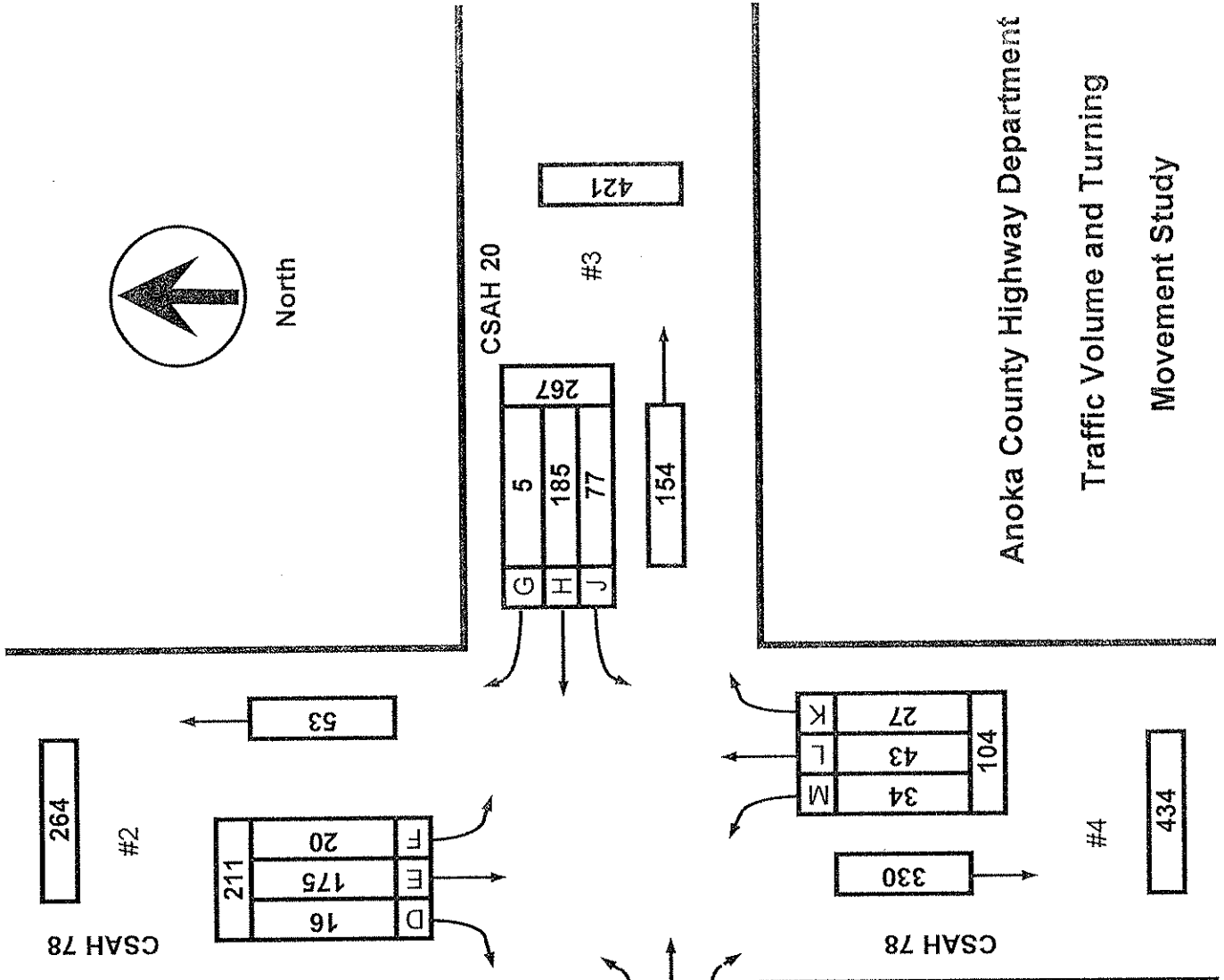
EXISTING LANES OF APPROACH				TOTAL
RIGHT TURN LANE	LEFT TURN LANE	THRU LANES		
#1	1	0	1	2
#2	1	0	1	2
#3	1	0	1	2
#4	1	0	1	2

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/01/12
 Count Number : TMC1231
 Location : CSAH 78 (Hanson Blvd.)
 @ CSAH 20 (161st Ave.)
 Collection Period : AM PEAK
 Hour : 7:00 AM - 8:00 AM



North



EXISTING LANES OF APPROACH				TOTAL
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	
#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 : 07/30/12

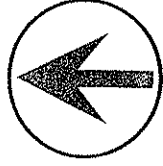
Count Number : TMC1231

Location : CSAH 78 (Hanson Blvd.)

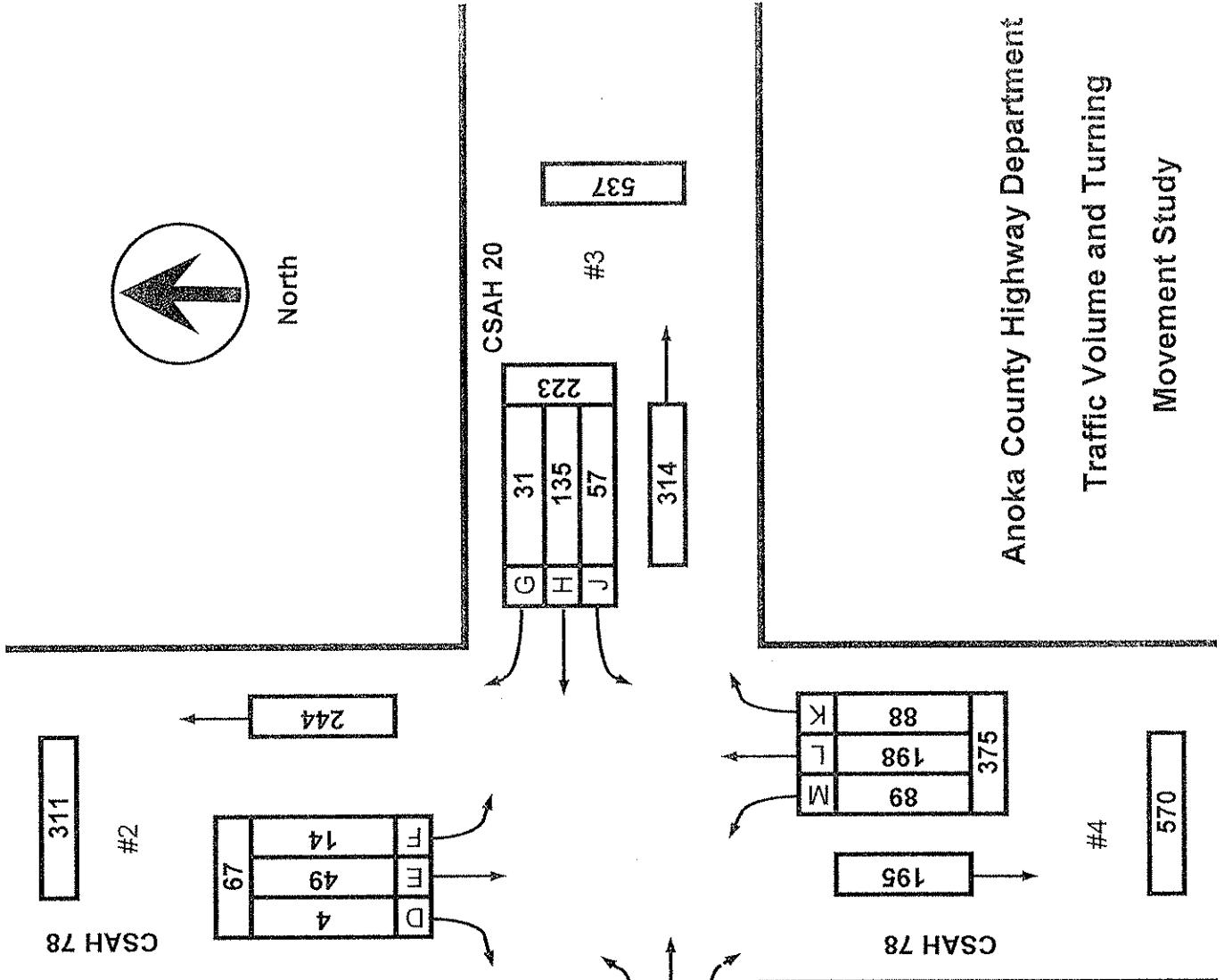
@ CSAH 20 (161st Ave.)

Collection Period : PM PEAK

Hour : 4:45 PM - 5:45 PM



North



EXISTING LANES OF APPROACH				TOTAL
RIGHT TURN LANE	LEFT TURN LANE	THRU LANES		
#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 : TMC1231
 Site Code : 12310202
 Start Date : 07/30/2012
 Page No : 1

Weather: Warm and P. Cloudy
 Counter: DB-400
 study conducted by: Reno and Hannah

Groups Printed- Unshifted

Start Time	CSAH 78 Southbound					CSAH 20 Westbound					CSAH 78 Northbound					CSAH 20 Eastbound					Excl. Total	Inclu. Total	Int. Total
	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total			
06:00	2	28	1	2	31	15	34	0	0	49	1	6	5	0	12	0	13	9	0	22	2	114	116
06:15	6	43	2	1	51	13	36	0	0	49	6	7	2	0	15	1	14	18	3	33	4	148	152
06:30	8	46	2	4	56	15	56	1	0	72	9	8	1	1	18	0	23	18	3	41	8	187	195
06:45	5	42	1	2	48	15	36	3	1	54	11	8	7	1	26	1	21	35	2	57	6	185	191
Total	21	159	6	9	186	58	162	4	1	224	27	29	15	2	71	2	71	80	8	153	20	634	654
07:00	3	42	5	0	50	20	35	1	0	56	10	8	5	0	23	0	19	22	6	41	6	170	176
07:15	11	42	6	3	59	12	35	1	1	48	3	8	8	1	19	1	25	20	1	46	6	172	178
07:30	3	38	1	0	42	22	77	2	1	101	9	12	6	3	27	1	26	14	1	41	5	211	216
07:45	3	53	4	0	60	23	38	1	0	62	12	15	8	1	35	3	37	22	2	62	3	219	222
Total	20	175	16	3	211	77	185	5	2	267	34	43	27	5	104	5	107	78	10	190	20	772	792
08:00	1	23	5	1	29	19	29	2	2	50	7	14	5	1	26	2	36	16	1	54	5	159	164
08:15	2	30	0	1	32	16	32	4	0	52	6	8	9	0	23	2	15	20	1	37	2	144	146
08:30	1	29	1	0	31	17	27	3	3	47	14	11	7	3	32	4	22	22	5	48	11	158	169
08:45	4	32	4	2	40	14	24	4	2	42	6	13	11	3	30	2	25	18	3	45	10	157	167
Total	8	114	10	4	132	66	112	13	7	191	33	46	32	7	111	10	98	76	10	184	28	618	646
09:00	1	30	0	1	31	13	21	2	6	36	11	9	7	3	27	0	24	22	3	46	13	140	153
09:15	0	18	1	1	19	15	18	1	1	34	14	10	4	1	28	3	22	21	1	46	4	127	131
09:30	2	16	4	1	22	14	16	3	1	33	15	14	4	1	33	2	18	8	3	28	6	116	122
09:45	3	16	2	1	21	19	24	2	3	45	6	19	9	1	34	3	15	15	2	33	7	133	140
Total	6	80	7	4	93	61	79	8	11	148	46	52	24	6	122	8	79	66	9	153	30	516	546
10:00	5	12	2	2	19	9	17	2	3	28	9	11	7	0	27	2	20	9	2	31	7	105	112
10:15	3	16	1	1	20	10	20	2	0	32	5	13	15	3	33	2	10	15	1	27	5	112	117
10:30	3	16	2	0	21	7	20	4	4	31	10	20	9	2	39	0	13	11	2	24	8	115	123
10:45	1	11	0	0	12	12	20	3	2	35	9	15	12	4	36	3	16	11	1	30	7	113	120
Total	12	55	5	3	72	38	77	11	9	126	33	59	43	9	135	7	59	46	6	112	27	445	472
11:00	0	12	1	0	13	10	23	3	2	36	7	21	8	1	36	2	20	14	3	36	6	121	127
11:15	3	19	2	4	24	12	18	3	3	33	10	19	17	1	46	1	12	18	1	31	9	134	143
11:30	2	15	0	2	17	8	19	1	3	28	13	31	15	2	59	0	36	14	5	50	12	154	166
11:45	2	14	1	0	17	9	16	0	1	25	7	14	10	0	31	0	19	5	1	24	2	97	99
Total	7	60	4	6	71	39	76	7	9	122	37	85	50	4	172	3	87	51	10	141	29	506	535
12:00	1	14	3	1	18	12	19	0	1	31	20	19	14	1	53	1	20	13	2	34	5	136	141
12:15	3	15	1	0	19	10	17	0	3	27	8	18	18	3	44	2	29	11	2	42	8	132	140
12:30	3	13	1	3	17	5	9	4	0	18	12	25	14	1	51	4	29	7	6	40	10	126	136
12:45	7	9	2	0	18	17	18	3	1	38	9	18	12	6	39	3	15	12	4	30	11	125	136
Total	14	51	7	4	72	44	63	7	5	114	49	80	58	11	187	10	93	43	14	146	34	519	553
13:00	4	11	1	2	16	5	13	4	0	22	9	20	8	0	37	3	19	13	0	35	2	110	112
13:15	3	10	2	2	15	9	28	4	2	41	12	21	19	2	52	6	20	14	2	40	8	148	156
13:30	2	11	0	0	13	10	23	5	1	38	8	21	10	2	39	2	24	11	4	37	7	127	134
13:45	0	23	2	1	25	13	18	2	4	33	11	26	12	2	49	4	29	8	2	41	9	148	157
Total	9	55	5	5	69	37	82	15	7	134	40	88	49	6	177	15	92	46	8	153	26	533	559
14:00	0	16	3	2	19	13	15	3	1	31	13	21	9	0	43	3	31	8	3	42	6	135	141
14:15	0	18	2	1	20	15	24	2	2	41	8	23	13	0	44	2	33	13	1	48	4	153	157
14:30	2	18	2	2	22	13	34	3	1	50	12	27	14	4	53	1	21	15	1	37	8	162	170
14:45	0	7	3	1	10	9	33	5	2	47	16	22	10	2	48	2	24	19	3	45	8	150	158
Total	2	59	10	6	71	50	106	13	6	169	49	93	46	6	188	8	109	55	8	172	26	600	626
15:00	4	20	2	1	26	13	22	5	2	40	14	35	12	1	61	3	26	15	1	44	5	171	176
15:15	0	17	2	2	19	10	20	1	1	31	13	34	16	0	63	5	35	12	1	52	4	165	169
15:30	0	14	2	0	16	20	37	2	2	59	24	40	17	1	81	0	34	21	1	55	4	211	215
15:45	1	9	0	1	10	11	25	4	1	40	21	39	19	1	79	4	48	24	0	76	3	205	208
Total	5	60	6	4	71	54	104	12	6	170	72	148	64	3	284	12	143	72	3	227	16	752	768
16:00	3	4	1	0	8	12	25	6	0	43	19	45	17	2	81	5	42	19	2	66	4	198	202
16:15	1	9	0	0	10	13	34	8	2	55	22	51	28	1	101	6	49	16	1	71	4	237	241
16:30	0	9	1	0	10	13	25	14	2	52	20	46	24	1	90	7	49	15	1	71	4	223	227
16:45	4	5	0	1	9	10	30	14	4	54	28	54	25	3	107	2	74	20	0	96	8	266	274
Total	8	27	2	1	37	48	114	42	8	204	89	196	94	7	379	20	214	70	4	304	20	924	944
17:00	1	13	1	1	15	12	29	7	0	48	23	49	23	1	95	1	43	27	0	71	2	229	231
17:15	3	26	3	1	32	20	31	5	1	56	19	43	21	2	83	6	47	22	0	75	4	246	250
17:30	6	5	0	1	11	15	45	5	1	65	19	52	19	3	90	6	48	20	0	74	5	240	245
17:45	1	24	1	1	26	10	42	4	1	56	29	51	31	1	111	4	26	20	0	50	3	243	246
Total	11	68	5	4	84	57	147	21	3	225	90	195	94	7	379	17	164	89	0	270	14	958	972



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1231
 Site Code : 12310202
 Start Date : 07/30/2012
 Page No : 2

Weather: Warm and P. Cloudy
 Counter: DB-400
 study conducted by: Reno and Hannah

Groups Printed- Unshifted

Start Time	CSAH 78 Southbound					CSAH 20 Westbound					CSAH 78 Northbound					CSAH 20 Eastbound					Excls. Total	Incls. Total	Int. Total
	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total			
18:00	5	12	1	2	18	12	29	1	0	42	14	35	24	0	73	5	41	22	1	68	3	201	204
18:15	2	8	1	0	11	18	45	8	2	71	23	28	18	2	69	1	31	18	3	50	7	201	208
18:30	4	13	3	0	20	13	27	2	0	42	17	30	18	0	65	0	30	18	0	48	0	175	175
18:45	2	11	0	0	13	10	27	3	1	40	15	24	13	1	52	2	21	8	1	31	3	136	139
Total	13	44	5	2	62	53	128	14	3	195	69	117	73	3	259	8	123	66	5	197	13	713	726
19:00	4	9	1	0	14	6	18	3	1	27	14	28	14	0	56	0	25	17	0	42	1	139	140
19:15	4	2	2	0	8	14	19	4	0	37	11	24	11	0	46	4	46	12	0	62	0	153	153
19:30	8	8	2	1	18	12	13	3	0	28	11	22	22	0	55	4	29	11	0	44	1	145	146
19:45	2	11	2	0	15	9	23	1	0	33	16	27	9	0	52	3	23	11	0	37	0	137	137
Total	18	30	7	1	55	41	73	11	1	125	52	101	56	0	209	11	123	51	0	185	2	574	576
20:00	6	6	2	0	14	5	17	1	0	23	12	22	17	1	51	2	27	8	0	37	1	125	126
20:15	3	19	1	0	23	4	22	5	1	31	12	18	16	0	46	2	15	16	1	33	2	133	135
20:30	1	8	0	0	9	7	14	1	0	22	8	15	7	0	30	1	22	12	0	35	0	96	96
20:45	0	2	2	0	4	2	15	1	2	18	9	11	14	0	34	2	16	9	0	27	2	83	85
Total	10	35	5	0	50	18	68	8	3	94	41	66	54	1	161	7	80	45	1	132	5	437	442
21:00	1	9	2	0	12	7	18	2	0	27	12	9	17	1	38	3	15	19	0	37	1	114	115
21:15	2	2	2	0	6	3	20	1	1	24	16	17	12	1	45	0	13	5	0	18	2	93	95
21:30	2	3	0	0	5	8	13	1	0	22	17	14	15	0	46	1	18	7	0	26	0	99	99
21:45	1	3	0	0	4	5	12	1	0	18	9	8	17	0	34	1	16	8	0	25	0	81	81
Total	6	17	4	0	27	23	63	5	1	91	54	48	61	2	163	5	62	39	0	106	3	387	390
Grand Total	170	1069	104	56	1363	764	1639	196	82	2599	815	1446	840	79	3101	148	1704	973	96	2825	313	9888	10201
Apprch %	12.5	79.9	7.6			29.4	63.1	7.5			26.3	46.6	27.1			5.2	60.3	34.4					
Total %	1.7	11	1.1		13.8	7.7	16.6	2		26.3	8.2	14.6	8.5		31.4	1.5	17.2	9.8		28.6	3.1	96.9	

Start Time	CSAH 78 Southbound				CSAH 20 Westbound				CSAH 78 Northbound				CSAH 20 Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00																	
07:00	3	42	5	50	20	35	1	56	10	8	5	23	0	19	22	41	170
07:15	11	42	6	59	12	35	1	48	3	8	8	19	1	25	20	46	172
07:30	3	38	1	42	22	77	2	101	9	12	6	27	1	26	14	41	211
07:45	3	53	4	60	23	38	1	62	12	15	8	35	3	37	22	62	219
Total Volume	20	175	16	211	77	185	5	267	34	43	27	104	5	107	78	190	772
% App. Total	9.5	82.9	7.6		28.8	69.3	1.9		32.7	41.3	26		2.6	56.3	41.1		
PHF	.455	.825	.667	.879	.837	.601	.625	.661	.708	.717	.844	.743	.417	.723	.866	.766	.881

Peak Hour Analysis From 12:00 to 21:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:45																	
16:45	4	5	0	9	10	30	14	54	28	54	25	107	2	74	20	96	266
17:00	1	13	1	15	12	29	7	48	23	49	23	95	1	43	27	71	229
17:15	3	26	3	32	20	31	5	56	19	43	21	83	6	47	22	75	246
17:30	6	5	0	11	15	45	5	65	19	52	19	90	6	48	20	74	240
Total Volume	14	49	4	67	57	135	31	223	89	198	88	375	15	212	89	316	981
% App. Total	20.9	73.1	6		25.6	60.5	13.9		23.7	52.8	23.5		4.7	67.1	28.2		
PHF	.583	.471	.333	.523	.713	.750	.554	.858	.795	.917	.880	.876	.625	.716	.824	.823	.922



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

Study Name : TMC1231
Study Date : 08/06/12
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 20
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 2,825

Westbound: CSAH 20
Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 2,599

Minor Street Approaches

Northbound: CSAH 78
Number of Lanes: 2

Total Approach Volume: 3,101

Southbound: CSAH 78
Number of Lanes: 2

Total Approach Volume: 1,363

Warrant Summary (Rural values apply.)

- Warrant 1 - Eight Hour Vehicular Volumes Not Satisfied
 - Warrant 1A - Minimum Vehicular Volume Not Satisfied
Required volumes reached for 3 hours, 8 are needed
 - Warrant 1B - Interruption of Continuous Traffic Not Satisfied
Required volumes reached for 0 hours, 8 are needed
 - Warrant 1 A&B - Combination of Warrants Not Satisfied
Required volumes reached for 1 hours, 8 are needed

- Warrant 2 - Four Hour Volumes Not Satisfied
Number of hours (2) volumes exceed minimum < minimum required (4).

- Warrant 3 - Peak Hour Satisfied
 - Warrant 3A - Peak Hour Delay Satisfied
Number of hours (10) 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

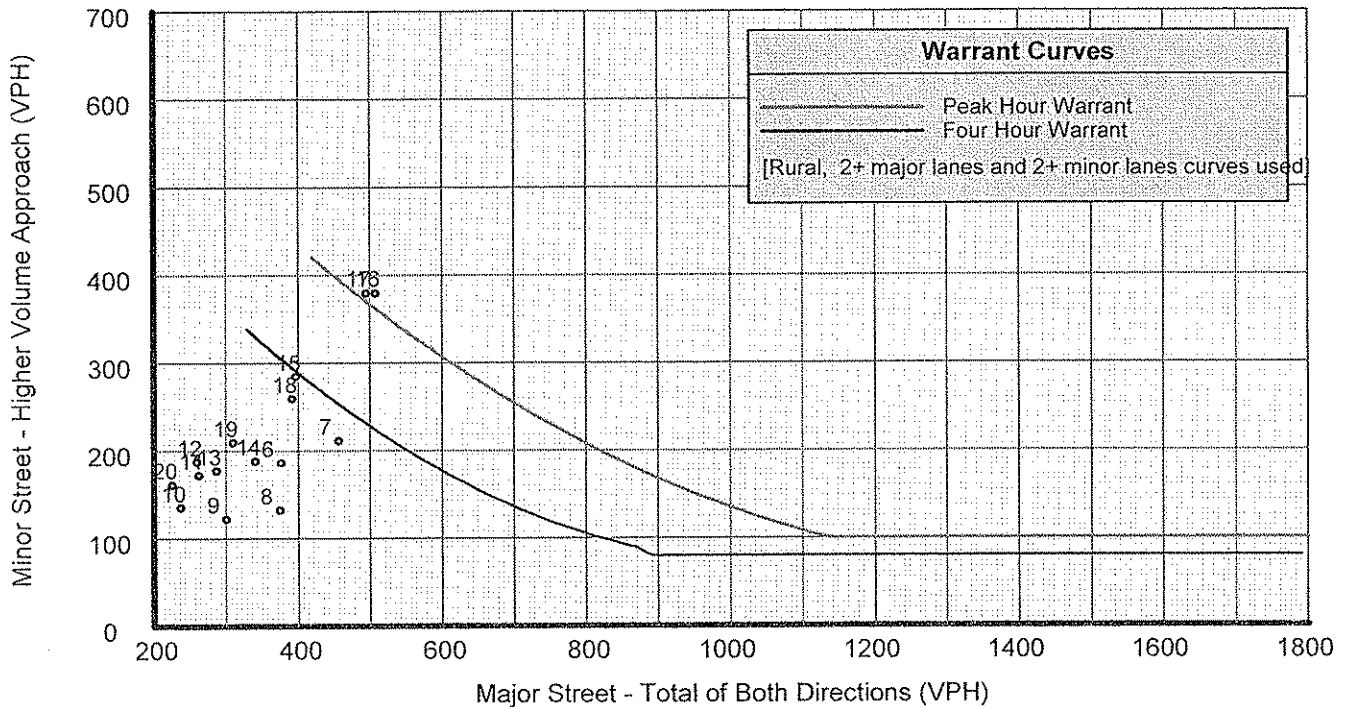
- Warrant 9 - Intersection Near a Grade Crossing Not Evaluated



ANOKA COUNTY HIGHWAY PC-WARRANTS TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC1231
Study Date : 08/06/12
Page No. : 2

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

Hour	Major Total	Higher Minor Vol	Dir	War 1A			War 1B			War 1A&B		
				Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
01:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
02:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
03:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
04:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
05:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
06:00	377	186	SB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
07:00	457	211	SB	420-Yes	140-Yes	Both	630-No	70-Yes	Minor	504-No	112-Yes	Minor
08:00	375	132	SB	420-No	140-No	---	630-No	70-Yes	Minor	504-No	112-Yes	Minor
09:00	301	122	NB	420-No	140-No	---	630-No	70-Yes	Minor	504-No	112-Yes	Minor
10:00	238	135	NB	420-No	140-No	---	630-No	70-Yes	Minor	504-No	112-Yes	Minor
11:00	263	172	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
12:00	260	187	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
13:00	287	177	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
14:00	341	188	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
15:00	397	284	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
16:00	508	379	NB	420-Yes	140-Yes	Both	630-No	70-Yes	Minor	504-Yes	112-Yes	Both
17:00	495	379	NB	420-Yes	140-Yes	Both	630-No	70-Yes	Minor	504-No	112-Yes	Minor
18:00	392	259	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
19:00	310	209	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
20:00	226	161	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
21:00	197	163	NB	420-No	140-Yes	Minor	630-No	70-Yes	Minor	504-No	112-Yes	Minor
22:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---
23:00	0	0	NB	420-No	140-No	---	630-No	70-No	---	504-No	112-No	---



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

Study Name : TMC1231
Study Date : 08/06/12
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: CSAH 20
Total Approach Volume: 2,825
85% Speed > 40 MPH.

Westbound: CSAH 20
Total Approach Volume: 2,599
85% Speed > 40 MPH.

Minor Street Approaches

Northbound: CSAH 78
Total Approach Volume: 3,101

Southbound: CSAH 78
Total Approach Volume: 1,363

Warrant Summary

Criteria A - Interim Measure Not Evaluated
If traffic signals are justified, stop signs can be installed as an interim measure.

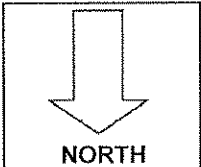
Criteria B - Crash Experience Not Evaluated

Criteria C - Minimum Volumes and Delays Satisfied
Delay data not evaluated
Required volumes reached for 15 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 Total	Minor Total	Crit C			Crit D		
			Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
05:45 - 06:45	266	183	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
06:45 - 07:45	444	294	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
07:45 - 08:45	412	268	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
08:45 - 09:45	310	230	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
09:45 - 10:45	251	214	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
10:45 - 11:45	279	243	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
11:45 - 12:45	241	250	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
12:45 - 13:45	281	229	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
13:45 - 14:45	323	275	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
14:45 - 15:45	373	324	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
15:45 - 16:45	474	389	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
16:45 - 17:45	539	442	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
17:45 - 18:45	427	393	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
18:45 - 19:45	311	262	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
19:45 - 20:45	251	240	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
00:00 - 01:00	0	0	210-No	140-No	No	240-No	160-No	No
00:15 - 01:15	0	0	210-No	140-No	No	240-No	160-No	No
00:30 - 01:30	0	0	210-No	140-No	No	240-No	160-No	No
00:45 - 01:45	0	0	210-No	140-No	No	240-No	160-No	No
01:00 - 02:00	0	0	210-No	140-No	No	240-No	160-No	No
01:15 - 02:15	0	0	210-No	140-No	No	240-No	160-No	No
01:30 - 02:30	0	0	210-No	140-No	No	240-No	160-No	No
01:45 - 02:45	0	0	210-No	140-No	No	240-No	160-No	No
02:00 - 03:00	0	0	210-No	140-No	No	240-No	160-No	No



COUNT LOCATION:

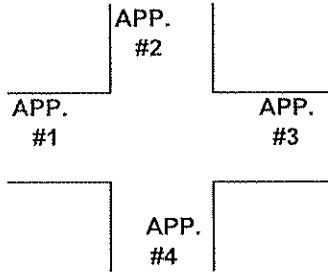
CSAH 78 (Hanson Blvd.)

DATE:

08/01/2012

@ CSAH 20 (161st Ave.)

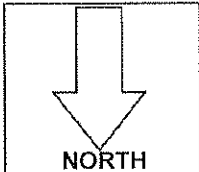
APP. #1 = CSAH 20
APP. #2 = CSAH 78
APP. #3 = CSAH 20
APP. #4 = CSAH 78



- HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT
- A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE.
 - B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.
 - C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS					HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS
6:00-6:15AM						2		
6:15-6:30						2		2
6:30-6:45						8		
6:45-7:00						6		
HOURLY TOTAL						HOURLY TOTAL		20
7:00-7:15	1				1	5	1	
7:15-7:30						5		
7:30-7:45						4	1	
7:45-8:00			1		1	3		
HOURLY TOTAL					2	HOURLY TOTAL		19
8:00-8:15				1	1	5		
8:15-8:30						2		
8:30-8:45						10		
8:45-9:00						8	1	1
HOURLY TOTAL					1	HOURLY TOTAL		27
9:00-9:15						8	1	4
9:15-9:30	1				1	4		
9:30-9:45						6		
9:45-10:00						6	1	
HOURLY TOTAL					1	HOURLY TOTAL		30
10:00-10:15						7		
10:15-10:30						5		
10:30-10:45						8		
10:45-11:00						6		1
HOURLY TOTAL						HOURLY TOTAL		27
11:00-11:15						6		
11:15-11:30						9		
11:30-11:45						8	1	1
11:45-12:00						5		
HOURLY TOTAL						HOURLY TOTAL		30
12:00-12:15						3		
12:15-12:30						8	1	
12:30-12:45						9		1
12:45-1:00						10		1
HOURLY TOTAL						HOURLY TOTAL		33
1:00-1:15	2				2	2		
1:15-1:30		1			1	8		
1:30-1:45						7		
1:45-2:00						7		2
HOURLY TOTAL					3	HOURLY TOTAL		26
TOTAL					7	TOTAL		212

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32



COUNT LOCATION:

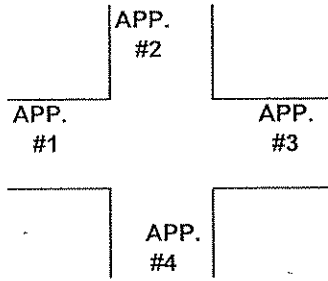
CSAH 78 (Hanson Blvd.)

DATE:

07/30/2012

@ CSAH 20 (161st Ave.)

APP. #1 = CSAH 20
APP. #2 = CSAH 78
APP. #3 = CSAH 20
APP. #4 = CSAH 78



- HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT
- A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE.
 - B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.
 - C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS					HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	15 MIN TOT	TRUCKS	RV	BUS
2:00-2:15PM						6		
2:15-2:30						3	1	
2:30-2:45						8		
2:45-3:00						7		1
HOURLY TOTAL						HOURLY TOTAL		26
3:00-3:15				1	1	5	1	
3:15-3:30	1				1	2		1
3:30-3:45						4		
3:45-4:00						3		
HOURLY TOTAL					2	HOURLY TOTAL		16
4:00-4:15		1			1	3		
4:15-4:30	2				2	4		
4:30-4:45	1		1		2	4		
4:45-5:00						8		
HOURLY TOTAL					5	HOURLY TOTAL		19
5:00-5:15				1	1	2		
5:15-5:30						3		
5:30-5:45						5		
5:45-6:00						3		
HOURLY TOTAL					1	HOURLY TOTAL		13
6:00-6:15		1			1	3		
6:15-6:30						6		
6:30-6:45		1			1	2		
6:45-7:00						3		
HOURLY TOTAL					2	HOURLY TOTAL		14
7:00-7:15		2			2	1		
7:15-7:30		2	2		4			
7:30-7:45						1		
7:45-8:00								
HOURLY TOTAL					6	HOURLY TOTAL		2
8:00-8:15						1		
8:15-8:30						2		
8:30-8:45			1		1	1		
8:45-9:00						2		
HOURLY TOTAL					1	HOURLY TOTAL		6
9:00-9:15		1			1	1		
9:15-9:30						1		
9:30-9:45								
9:45-10:00								
HOURLY TOTAL					1	HOURLY TOTAL		2
					TOTAL		TOTAL	310
					25			

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32