

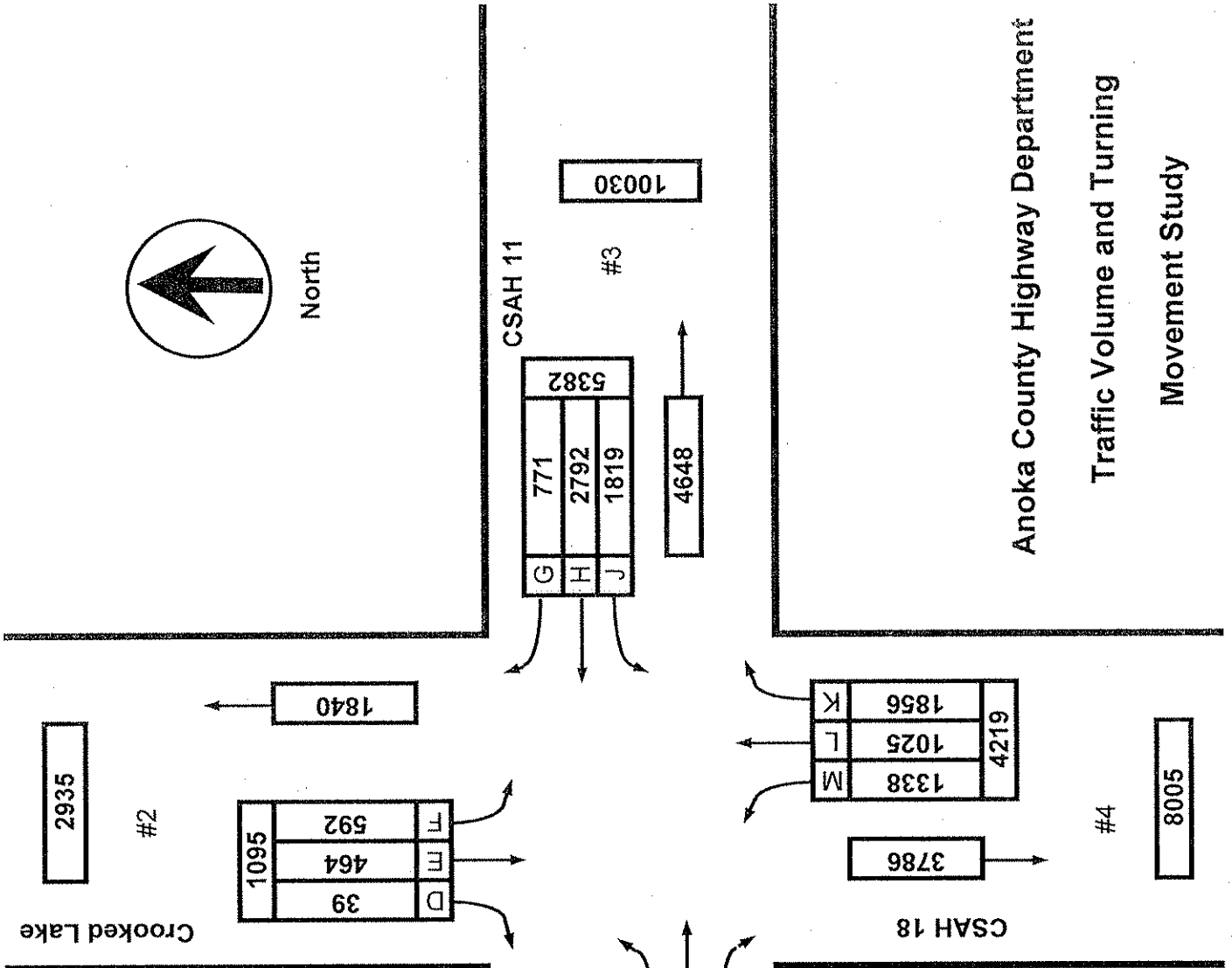
Date : 08/16/12

Count Number : TMC1225

Location : CSAH 11(Northdale Blvd.)

@ CSAH 18 (Crooked Lake Blvd.)

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



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/16/12

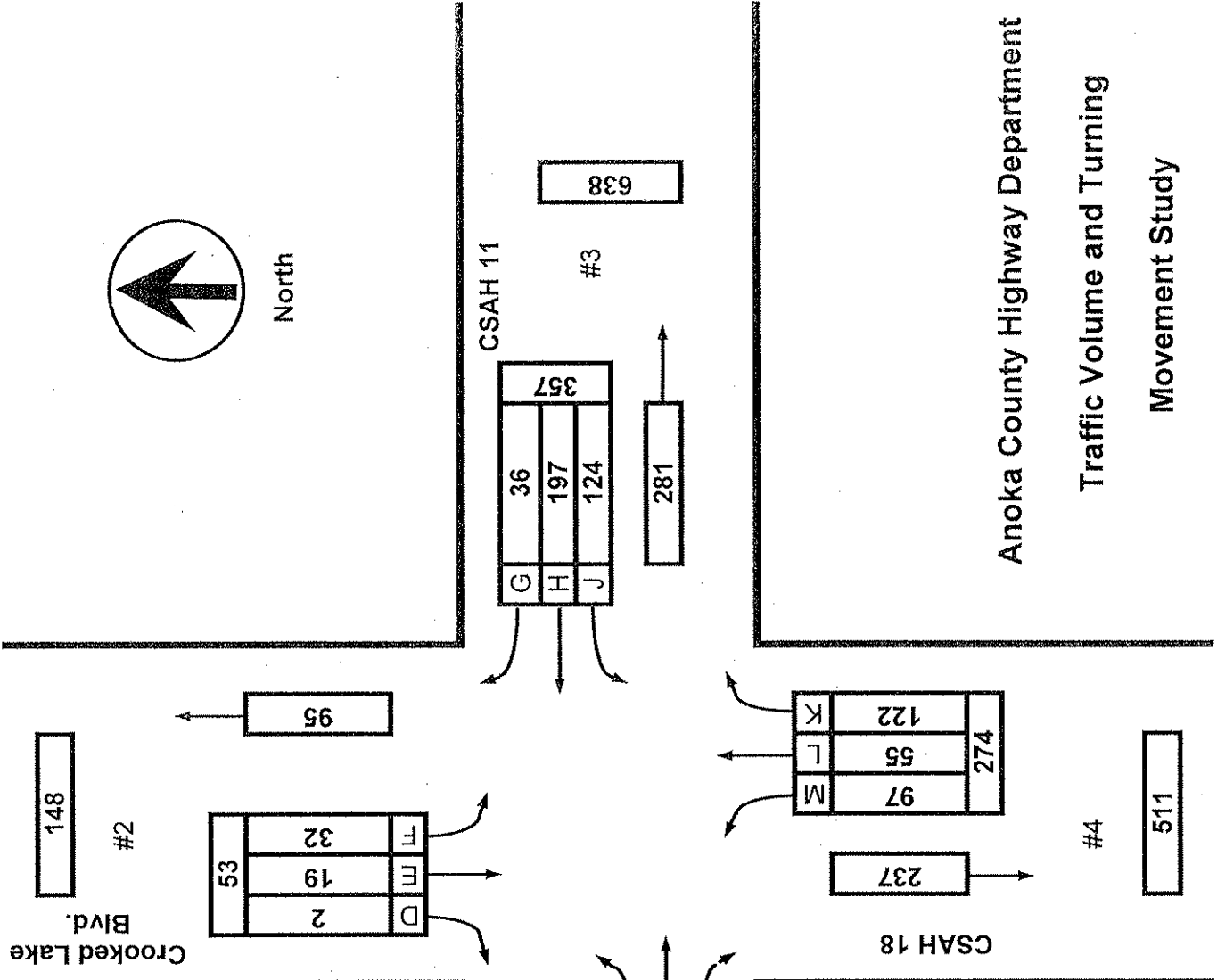
Count Number : TMC1225

Location : CSAH 11(Northdale Blvd.)

@ CSAH 18 (Crooked Lake Blvd.)

Collection Period : AM PEAK

Hour : 11:00 AM - 12:00 PM



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

Date : 08/13/12

Count Number : TMC1225

Location : CSAH 11(Northdale Blvd.)

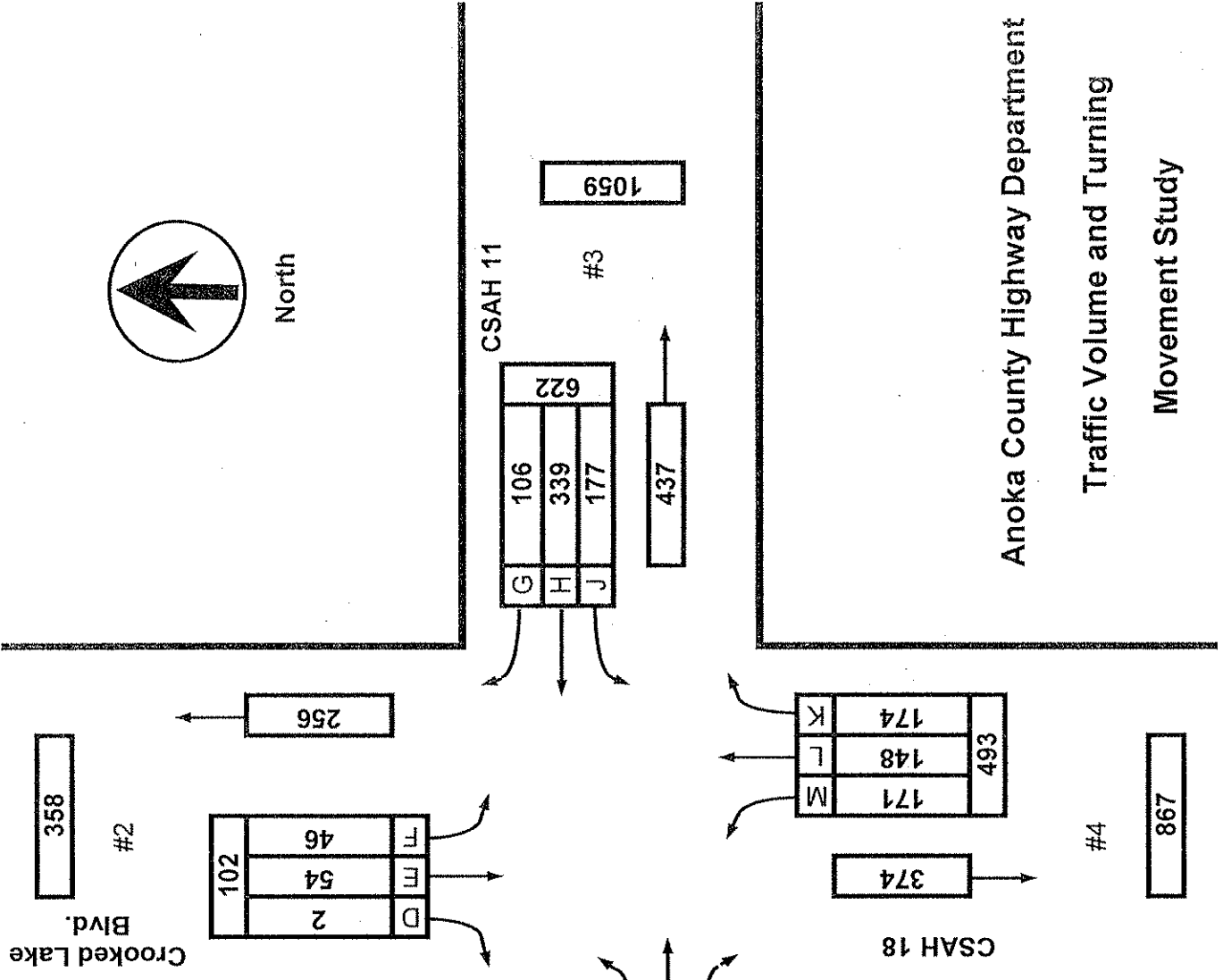
@ CSAH 18 (Crooked Lake Blvd.)

Collection Period : PM PEAK

Hour : 4:45 PM - 5:45 PM



North



Anoka County Highway Department
Traffic Volume and Turning
Movement Study

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



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1225
 Site Code : 12250202
 Start Date : 08/13/2012
 Page No : 1

Weather: Warm and Cloudy
 Counter: DB-400
 Counted by: Reno and Hannah

Groups Printed- Unshifted

Start Time	Crooked Lake Blvd. Southbound					CSAH 11 Westbound					CSAH 18 Northbound					Northdale Blvd. Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total	Left	Thru	Right	Heavy	App. Total			
06:00	11	4	0	2	15	6	9	1	0	16	1	0	12	1	13	0	19	4	1	23	4	67	71
06:15	9	10	0	1	19	11	14	6	5	31	8	4	15	0	27	0	7	1	1	8	7	85	92
06:30	9	15	0	1	24	4	22	8	2	34	5	8	24	2	37	0	24	13	2	37	7	132	139
06:45	11	13	0	1	24	17	15	3	1	35	2	6	18	0	26	0	23	15	1	38	3	123	126
Total	40	42	0	5	82	38	60	18	8	116	16	18	69	3	103	0	73	33	5	106	21	407	428
07:00	15	15	0	1	30	18	17	5	3	40	10	7	25	0	42	1	19	13	2	33	6	145	151
07:15	4	5	0	0	9	24	21	4	1	49	12	2	32	0	46	1	22	16	3	39	4	143	147
07:30	11	10	1	3	22	18	21	10	3	49	12	6	36	0	54	0	25	12	2	37	8	162	170
07:45	14	3	1	0	18	44	22	13	1	79	4	11	29	1	44	1	27	10	0	38	2	179	181
Total	44	33	2	4	79	104	81	32	8	217	38	26	122	1	186	3	93	51	7	147	20	629	649
08:00	13	13	0	0	26	25	27	5	4	57	9	8	26	0	43	0	15	13	1	28	5	154	159
08:15	8	9	0	0	17	16	21	10	0	47	9	9	12	0	30	0	16	10	1	26	1	120	121
08:30	4	4	0	0	8	18	25	7	2	50	12	17	29	1	58	0	19	9	2	28	5	144	149
08:45	1	4	0	0	5	25	26	10	2	61	13	4	34	1	51	1	12	18	2	31	5	148	153
Total	26	30	0	0	56	84	99	32	8	215	43	38	101	2	182	1	62	50	6	113	16	566	582
09:00	13	4	1	1	18	19	34	9	4	62	12	10	24	0	46	0	26	15	1	41	6	167	173
09:15	6	4	0	0	10	27	43	13	3	83	9	12	25	0	46	0	16	16	1	32	4	171	175
09:30	7	4	0	0	11	23	35	5	2	63	19	10	33	3	62	0	25	8	3	33	8	169	177
09:45	5	3	1	0	9	26	38	6	5	70	17	8	24	0	49	1	18	15	2	34	7	162	169
Total	31	15	2	1	48	95	150	33	14	278	57	40	106	3	203	1	85	54	7	140	25	669	694
10:00	3	0	2	3	5	28	31	8	2	67	14	10	24	0	48	0	25	18	1	43	6	163	169
10:15	10	7	2	0	19	25	26	10	0	61	20	12	38	1	70	1	26	23	6	50	7	200	207
10:30	8	1	1	0	10	35	49	15	5	99	14	10	32	0	56	2	26	21	5	49	10	214	224
10:45	10	10	1	0	21	25	49	8	4	82	20	12	32	1	64	3	24	30	3	57	8	224	232
Total	31	18	6	3	55	113	155	41	11	309	68	44	126	2	238	6	101	92	15	199	31	801	832
11:00	4	6	0	0	10	36	45	11	6	92	28	10	21	1	59	3	35	14	2	52	9	213	222
11:15	11	4	1	2	16	23	42	5	2	70	31	16	31	2	78	1	24	34	1	59	7	223	230
11:30	9	7	0	0	16	35	54	8	4	97	18	14	29	2	61	0	38	21	7	59	13	233	246
11:45	8	2	1	0	11	30	58	12	10	98	20	15	41	3	76	0	30	25	2	55	15	240	255
Total	32	19	2	2	53	124	197	36	22	357	97	55	122	8	274	4	127	94	12	225	44	909	953
12:00	24	9	0	2	33	39	56	16	9	111	35	17	33	2	85	1	40	39	1	80	14	309	323
12:15	11	7	0	1	18	36	35	8	5	79	27	19	30	1	76	0	36	25	3	61	10	234	244
12:30	12	10	2	2	24	30	47	13	4	90	29	22	28	3	79	1	30	36	6	67	15	260	275
12:45	6	9	1	1	16	31	50	8	5	89	25	12	37	0	74	1	38	37	2	76	8	255	263
Total	53	35	3	6	91	136	188	45	23	369	116	70	128	6	314	3	144	137	12	284	47	1058	1105
13:00	12	8	1	0	21	33	70	10	7	113	27	17	25	1	69	0	37	44	2	81	10	284	294
13:15	7	4	1	0	12	41	50	7	4	98	30	26	20	0	76	0	38	24	3	62	7	248	255
13:30	18	7	0	1	25	29	58	13	7	100	21	27	39	3	87	0	45	20	3	65	14	277	291
13:45	6	7	0	2	13	21	42	11	0	74	26	11	28	1	65	1	49	23	0	73	3	225	228
Total	43	26	2	3	71	124	220	41	18	385	104	81	112	5	297	1	169	111	8	281	34	1034	1068
14:00	12	13	0	2	25	35	43	8	2	86	16	20	33	2	69	1	44	20	1	65	7	245	252
14:15	9	9	2	0	20	30	31	4	1	65	28	18	32	1	78	1	41	38	0	80	2	243	245
14:30	11	9	3	0	23	28	43	14	3	85	26	21	34	2	81	0	47	32	0	79	5	268	273
14:45	11	9	0	0	20	33	43	15	0	91	22	15	41	0	78	1	42	22	1	65	1	254	255
Total	43	40	5	2	88	126	160	41	6	327	92	74	140	5	306	3	174	112	2	289	15	1010	1025
15:00	13	8	0	0	21	35	61	10	2	106	19	17	29	0	65	0	55	31	2	86	4	278	282
15:15	9	11	0	0	20	47	59	21	4	127	24	16	30	1	70	0	44	32	0	76	5	293	298
15:30	12	9	0	1	21	30	72	13	2	115	39	34	50	0	123	2	41	26	2	69	5	328	333
15:45	11	7	0	1	18	46	58	16	2	120	36	32	25	1	93	0	43	24	0	67	4	298	302
Total	45	35	0	2	80	158	250	60	10	468	118	99	134	2	351	2	183	113	4	298	18	1197	1215
16:00	9	16	1	0	26	26	68	17	0	111	34	37	32	0	103	0	46	34	1	80	1	320	321
16:15	10	4	2	0	16	30	68	20	1	118	39	39	49	1	127	0	45	34	0	79	2	340	342
16:30	15	6	3	0	24	39	64	26	0	129	37	21	37	1	95	2	62	35	1	99	2	347	349
16:45	13	12	0	0	25	31	71	22	2	124	34	41	38	1	113	1	47	32	1	80	4	342	346
Total	47	38	6	0	91	126	271	85	3	482	144	138	156	3	438	3	200	135	3	338	9	1349	1358
17:00	14	16	0	0	30	60	107	36	1	203	55	39	43	1	137	0	53	37	0	90	2	460	462
17:15	10	16	2	0	28	49	92	20	2	161	41	39	46	0	126	0	69	42	0	111	2	426	428
17:30	9	10	0	0	19	37	69	28	3	134	41	29	47	0	117	1	48	32	1	81	4	351	355
17:45	11	6	1	1	18	39	71	26	2	136	35	31	30	3	96	3	43	24	2	70	8	322	330
Total	44	48	3	1	95	185	339	112	8	636	172												



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC1225
 Site Code : 12250202
 Start Date : 08/13/2012
 Page No : 2

Weather: Warm and Cloudy
 Counter: DB-400
 Counted by: Reno and Hannah

Groups Printed- Unshifted

Start Time	Crooked Lake Blvd. Southbound					CSAH 11 Westbound					CSAH 18 Northbound					Northdale Blvd. Eastbound					Exclu. 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			
18:00	8	14	0	0	22	29	56	16	0	101	24	17	35	0	76	0	43	31	1	74	1	273	274
18:15	13	3	1	0	17	43	63	17	3	123	33	16	34	0	83	4	53	38	0	95	3	318	321
18:30	12	9	0	0	21	24	60	15	1	99	21	19	24	0	64	2	44	24	1	70	2	254	256
18:45	15	5	0	0	20	36	38	13	1	87	22	22	24	1	68	1	37	21	0	59	2	234	236
Total	48	31	1	0	80	132	217	61	5	410	100	74	117	1	291	7	177	114	2	298	8	1079	1087
19:00	4	1	0	0	5	33	46	10	2	89	29	20	26	0	75	1	34	30	0	65	2	234	236
19:15	10	9	1	0	20	31	55	14	0	100	15	10	29	0	54	0	51	39	0	90	0	264	264
19:30	3	7	1	0	11	30	51	8	2	89	20	16	19	0	55	2	54	33	0	89	2	244	246
19:45	4	6	0	0	10	24	38	13	1	75	14	17	41	0	72	1	45	30	0	76	1	233	234
Total	21	23	2	0	46	118	190	45	5	353	78	63	115	0	256	4	184	132	0	320	5	975	980
20:00	7	7	0	0	14	22	32	16	1	70	19	9	29	0	57	0	40	23	0	63	1	204	205
20:15	7	6	1	0	14	18	36	13	1	67	17	12	14	1	43	0	24	22	0	46	2	170	172
20:30	6	4	1	0	11	21	26	12	0	59	11	12	23	0	46	1	38	30	0	69	0	185	185
20:45	8	7	1	0	16	24	40	11	0	75	8	9	11	0	28	0	29	12	0	41	0	160	160
Total	28	24	3	0	55	85	134	52	2	271	55	42	77	1	174	1	131	87	0	219	3	719	722
21:00	6	2	1	0	9	23	24	10	0	57	13	6	16	0	35	0	28	16	2	44	2	145	147
21:15	1	0	0	0	1	20	20	11	0	51	13	4	16	1	33	0	21	20	0	41	1	126	127
21:30	5	3	1	0	9	15	15	13	0	43	6	6	19	0	31	0	15	7	0	22	0	105	105
21:45	4	2	0	0	6	13	22	3	0	38	8	9	14	0	31	1	20	10	0	31	0	106	106
Total	16	7	2	0	25	71	81	37	0	189	40	25	65	1	130	1	84	53	2	138	3	482	485
Grand Total	592	464	39	29	1095	1819	2792	771	151	5382	1338	1025	1856	47	4219	44	2200	1503	88	3747	315	14443	14758
Apprch %	54.1	42.4	3.6			33.8	51.9	14.3			31.7	24.3	44			1.2	58.7	40.1					
Total %	4.1	3.2	0.3		7.6	12.6	19.3	5.3		37.3	9.3	7.1	12.9		29.2	0.3	15.2	10.4		25.9	2.1	97.9	

Start Time	Crooked Lake Blvd. Southbound				CSAH 11 Westbound				CSAH 18 Northbound				Northdale Blvd. 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 11:00																	
11:00	4	6	0	10	36	45	11	92	28	10	21	59	3	35	14	52	213
11:15	11	4	1	16	23	42	5	70	31	16	31	78	1	24	34	59	223
11:30	9	7	0	16	35	54	8	97	18	14	29	61	0	38	21	59	233
11:45	8	2	1	11	30	56	12	98	20	15	41	76	0	30	25	55	240
Total Volume	32	19	2	53	124	197	36	357	97	55	122	274	4	127	94	225	909
% App. Total	60.4	35.8	3.8		34.7	55.2	10.1		35.4	20.1	44.5		1.8	56.4	41.8		
PHF	.727	.679	.500	.828	.861	.879	.750	.911	.782	.859	.744	.878	.333	.836	.691	.953	.947

Start Time	Crooked Lake Blvd. Southbound				CSAH 11 Westbound				CSAH 18 Northbound				Northdale Blvd. 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 12:00 to 21:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:45																	
16:45	13	12	0	25	31	71	22	124	34	41	38	113	1	47	32	80	342
17:00	14	16	0	30	60	107	36	203	55	39	43	137	0	53	37	90	460
17:15	10	16	2	28	49	92	20	161	41	39	46	126	0	69	42	111	426
17:30	9	10	0	19	37	69	28	134	41	29	47	117	1	48	32	81	351
Total Volume	46	54	2	102	177	339	106	622	171	148	174	493	2	217	143	362	1579
% App. Total	45.1	52.9	2		28.5	54.5	17		34.7	30	35.3		0.6	59.9	39.5		
PHF	.821	.844	.250	.850	.738	.792	.736	.766	.777	.902	.926	.900	.500	.786	.851	.815	.858



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

Study Name : TMC1225
Study Date : 08/20/12
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Eastbound: Northdale Blvd.
Number of Lanes: 2
85% Speed < 40 MPH.
Total Approach Volume: 3,747

Westbound: CSAH 11
Number of Lanes: 2
85% Speed < 40 MPH.
Total Approach Volume: 5,382

Minor Street Approaches

Northbound: CSAH 18
Number of Lanes: 2

Total Approach Volume: 4,219

Southbound: Crooked Lake Blvd.
Number of Lanes: 2

Total Approach Volume: 1,095

Warrant Summary (Urban values apply.)

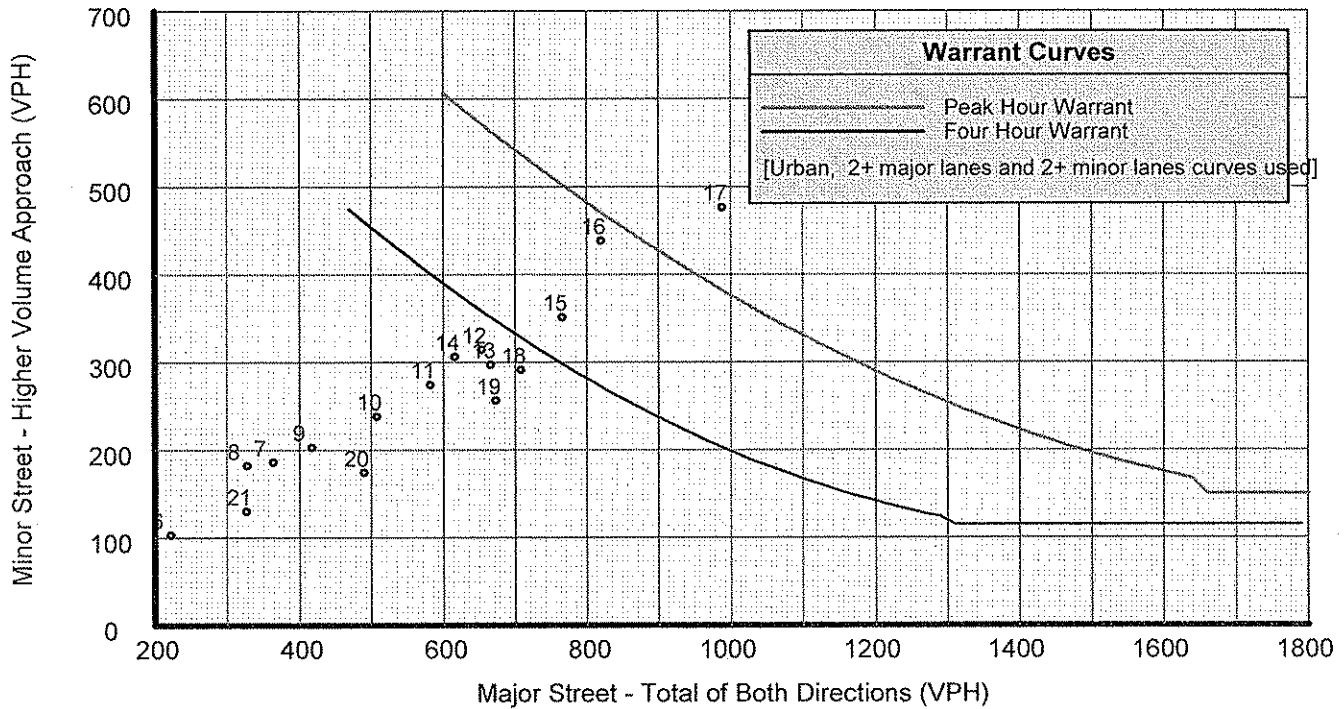
Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume	Satisfied
Required volumes reached for 8 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic	Not Satisfied
Required volumes reached for 1 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants	Not Satisfied
Required volumes reached for 3 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (3) volumes exceed minimum < minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay	Satisfied
Number of hours (39) 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 : TMC1225
Study Date : 08/20/12
Page No. : 2

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

Hour Begin	Major Total	Higher Minor		War 1A			War 1B			War 1A&B		
		Vol	Dir	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
01:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
02:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
03:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
04:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
05:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
06:00	222	103	NB	600-No	200-No	---	900-No	100-Yes	Minor	720-No	160-No	---
07:00	364	186	NB	600-No	200-No	---	900-No	100-Yes	Minor	720-No	160-Yes	Minor
08:00	328	182	NB	600-No	200-No	---	900-No	100-Yes	Minor	720-No	160-Yes	Minor
09:00	418	203	NB	600-No	200-Yes	Minor	900-No	100-Yes	Minor	720-No	160-Yes	Minor
10:00	508	238	NB	600-No	200-Yes	Minor	900-No	100-Yes	Minor	720-No	160-Yes	Minor
11:00	582	274	NB	600-No	200-Yes	Minor	900-No	100-Yes	Minor	720-No	160-Yes	Minor
12:00	653	314	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-No	160-Yes	Minor
13:00	666	297	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-No	160-Yes	Minor
14:00	616	306	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-No	160-Yes	Minor
15:00	766	351	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-Yes	160-Yes	Both
16:00	820	438	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-Yes	160-Yes	Both
17:00	988	476	NB	600-Yes	200-Yes	Both	900-Yes	100-Yes	Both	720-Yes	160-Yes	Both
18:00	708	291	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-No	160-Yes	Minor
19:00	673	256	NB	600-Yes	200-Yes	Both	900-No	100-Yes	Minor	720-No	160-Yes	Minor
20:00	490	174	NB	600-No	200-No	---	900-No	100-Yes	Minor	720-No	160-Yes	Minor
21:00	327	130	NB	600-No	200-No	---	900-No	100-Yes	Minor	720-No	160-No	---
22:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
23:00	0	0	NB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---



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

Study Name : TMC1225
Study Date : 08/20/12
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: Northdale Blvd.
Total Approach Volume: 3,747
85% Speed < 40 MPH.

Westbound: CSAH 11
Total Approach Volume: 5,382
85% Speed < 40 MPH.

Minor Street Approaches

Northbound: CSAH 18
Total Approach Volume: 4,219

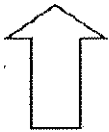
Southbound: Crooked Lake Blvd.
Total Approach Volume: 1,095

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 14 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?
06:30 - 07:30	305	238	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
07:30 - 08:30	361	254	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
08:30 - 09:30	388	242	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
09:30 - 10:30	421	273	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
10:30 - 11:30	560	314	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
11:30 - 12:30	640	376	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
12:30 - 13:30	676	371	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
13:30 - 14:30	608	382	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
14:30 - 15:30	715	378	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
15:30 - 16:30	759	527	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
16:30 - 17:30	997	578	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
17:30 - 18:30	816	448	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
18:30 - 19:30	659	327	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
19:30 - 20:30	575	276	300-Yes	200-Yes	Both	240-Yes	160-Yes	Both
20:30 - 21:30	437	179	300-Yes	200-No	Major	240-Yes	160-Yes	Both
20:45 - 21:45	374	162	300-Yes	200-No	Major	240-Yes	160-Yes	Both
21:00 - 22:00	327	155	300-Yes	200-No	Major	240-Yes	160-No	Major
00:00 - 01:00	0	0	300-No	200-No	No	240-No	160-No	No
00:15 - 01:15	0	0	300-No	200-No	No	240-No	160-No	No
00:30 - 01:30	0	0	300-No	200-No	No	240-No	160-No	No
00:45 - 01:45	0	0	300-No	200-No	No	240-No	160-No	No
01:00 - 02:00	0	0	300-No	200-No	No	240-No	160-No	No
01:15 - 02:15	0	0	300-No	200-No	No	240-No	160-No	No
01:30 - 02:30	0	0	300-No	200-No	No	240-No	160-No	No



NORTH

COUNT LOCATION:

CSAH 11 (Northdale Blvd.)

DATE:

08/16/2012

@ CSAH 18 (Crooked Lake Blvd.)

APP. #1 = Northdale Blvd.

APP. #2 = Crooked Lake Blvd.

APP. #3 = CSAH 11

APP. #4 = CSAH 18

APP. #2

APP. #1

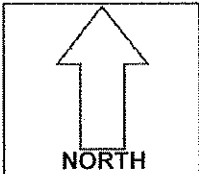
APP. #3

APP. #4

- 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						1		3
6:15-6:30		1		2	3	4		3
6:30-6:45	1			1	2	4		3
6:45-7:00	1			3	4	1		1
HOURLY TOTAL					9	HOURLY TOTAL		20
7:00-7:15		1			1	4		2
7:15-7:30				3	3	1		3
7:30-7:45						4		4
7:45-8:00			3		3	2		
HOURLY TOTAL					7	HOURLY TOTAL		20
8:00-8:15				2	2	5		
8:15-8:30		1			1	1		
8:30-8:45				1	1	3		2
8:45-9:00		3		1	4	5		
HOURLY TOTAL					8	HOURLY TOTAL		16
9:00-9:15						6		
9:15-9:30		4			4	4		
9:30-9:45						5		3
9:45-10:00	1	1		2	4	6		1
HOURLY TOTAL					8	HOURLY TOTAL		25
10:00-10:15	3			2	5	5		1
10:15-10:30	2				2	6		1
10:30-10:45	2			1	3	8		2
10:45-11:00	3		1		4	8		
HOURLY TOTAL					14	HOURLY TOTAL		31
11:00-11:15	2	1		1	4	9		
11:15-11:30						7		
11:30-11:45	1			2	3	11		2
11:45-12:00		1	2	1	4	14	1	
HOURLY TOTAL					11	HOURLY TOTAL		44
12:00-12:15						12		2
12:15-12:30		2	2		4	10		
12:30-12:45			3		3	12		1
12:45-1:00	2	2	1	1	6	8		
HOURLY TOTAL					13	HOURLY TOTAL		45
1:00-1:15		2	2	1	5	9		1
1:15-1:30	1			2	3	5		2
1:30-1:45		1			1	10	2	2
1:45-2:00			5	6	11	2		1
HOURLY TOTAL					20	HOURLY TOTAL		34
TOTAL					90	TOTAL		235

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COUNT LOCATION:

CSAH 11 (Northdale Blvd.)

DATE:

08/13/2012

@ CSAH 18 (Crooked Lake Blvd.)

APP. #1 = Northdale Blvd.

APP. #2 = Crooked Lake Blvd.

APP. #3 = CSAH 11

APP. #4 = CSAH 18

APP.
#2

APP.
#1

APP.
#3

APP.
#4

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.
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- 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	1	1	3	7	12	5		2	
2:15-2:30			1	3	4	2			
2:30-2:45						4		1	
2:45-3:00	1		3	9	13	1			
HOURLY TOTAL	29					HOURLY TOTAL	15		
3:00-3:15	1	3	1	7	12	2		2	
3:15-3:30	2	3		3	8	4	1		
3:30-3:45	1	2			3	2	2	1	
3:45-4:00	2	7		1	10	2		2	
HOURLY TOTAL	33					HOURLY TOTAL	18		
4:00-4:15		2	7	1	10	1			
4:15-4:30		3	3		6	1		1	
4:30-4:45	1	2	1	2	6			2	
4:45-5:00	1	2			3	2		2	
HOURLY TOTAL	25					HOURLY TOTAL	9		
5:00-5:15	4			3	7	1		1	
5:15-5:30	4	4	2	2	12	1		1	
5:30-5:45	1		1	2	4			4	
5:45-6:00	1	1	1	1	4	4		4	
HOURLY TOTAL	27					HOURLY TOTAL	16		
6:00-6:15	1	6	7	3	17				
6:15-6:30	1			1	2	1		2	
6:30-6:45	2	1	2	6	11			2	
6:45-7:00			2	1	3	2			
HOURLY TOTAL	33					HOURLY TOTAL	7		
7:00-7:15	1	1	1	3	6	2			
7:15-7:30	3	1			4				
7:30-7:45	7	1	1	18	27	1		1	
7:45-8:00	1	4	3		8	1			
HOURLY TOTAL	45					HOURLY TOTAL	5		
8:00-8:15	4	2		5	11	1			
8:15-8:30		2	2		4	2			
8:30-8:45	2	1		5	8				
8:45-9:00		8		2	10				
HOURLY TOTAL	33					HOURLY TOTAL	3		
9:00-9:15	2	7	1	4	14	2			
9:15-9:30			1	2	3	1			
9:30-9:45		1	3	1	5				
9:45-10:00									
HOURLY TOTAL	22					HOURLY TOTAL	3		
TOTAL	337					TOTAL	311		

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