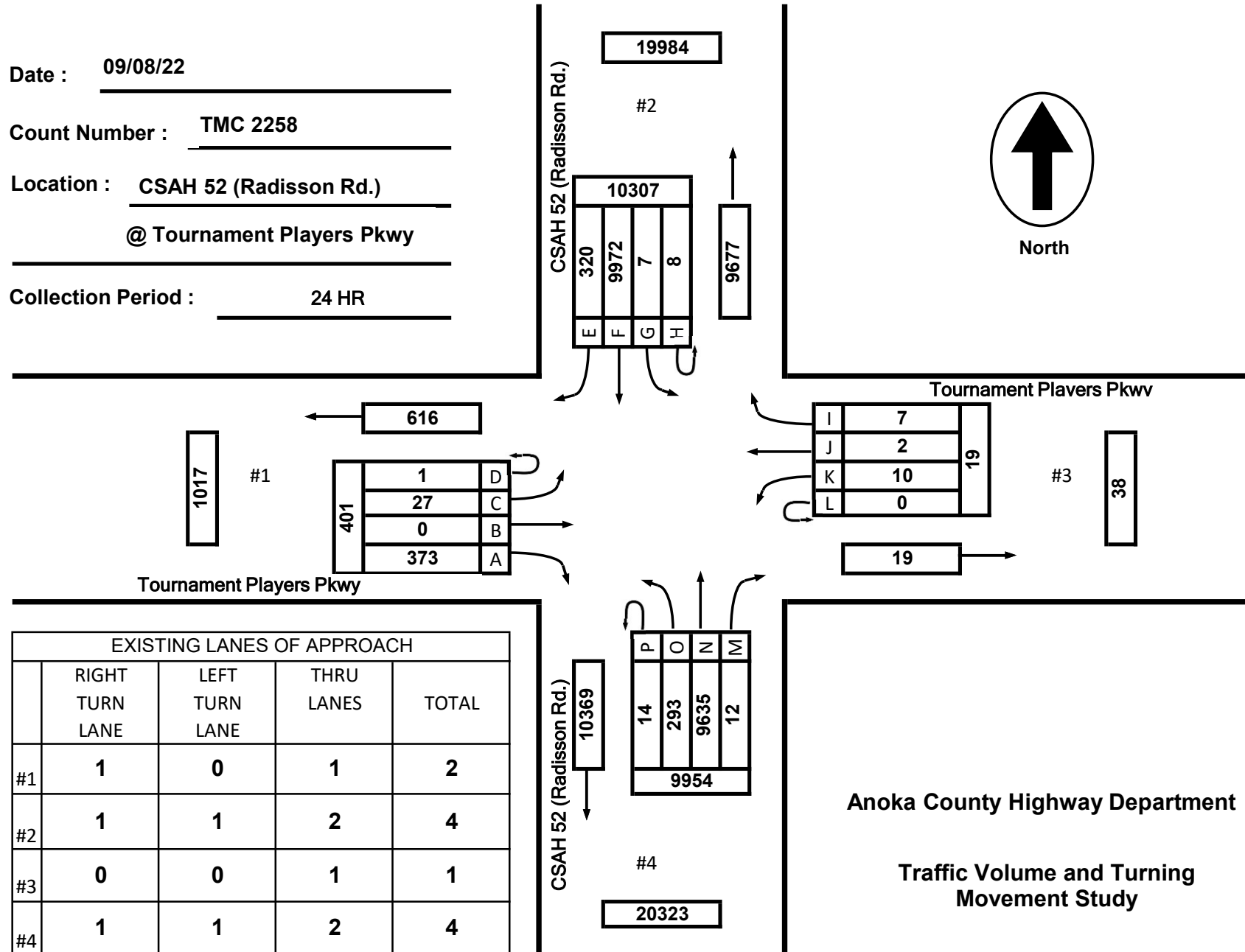
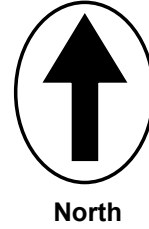


Date : 09/08/22

Count Number : TMC 2258

Location : CSAH 52 (Radisson Rd.)
@ Tournament Players Pkwy

Collection Period : 24 HR



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

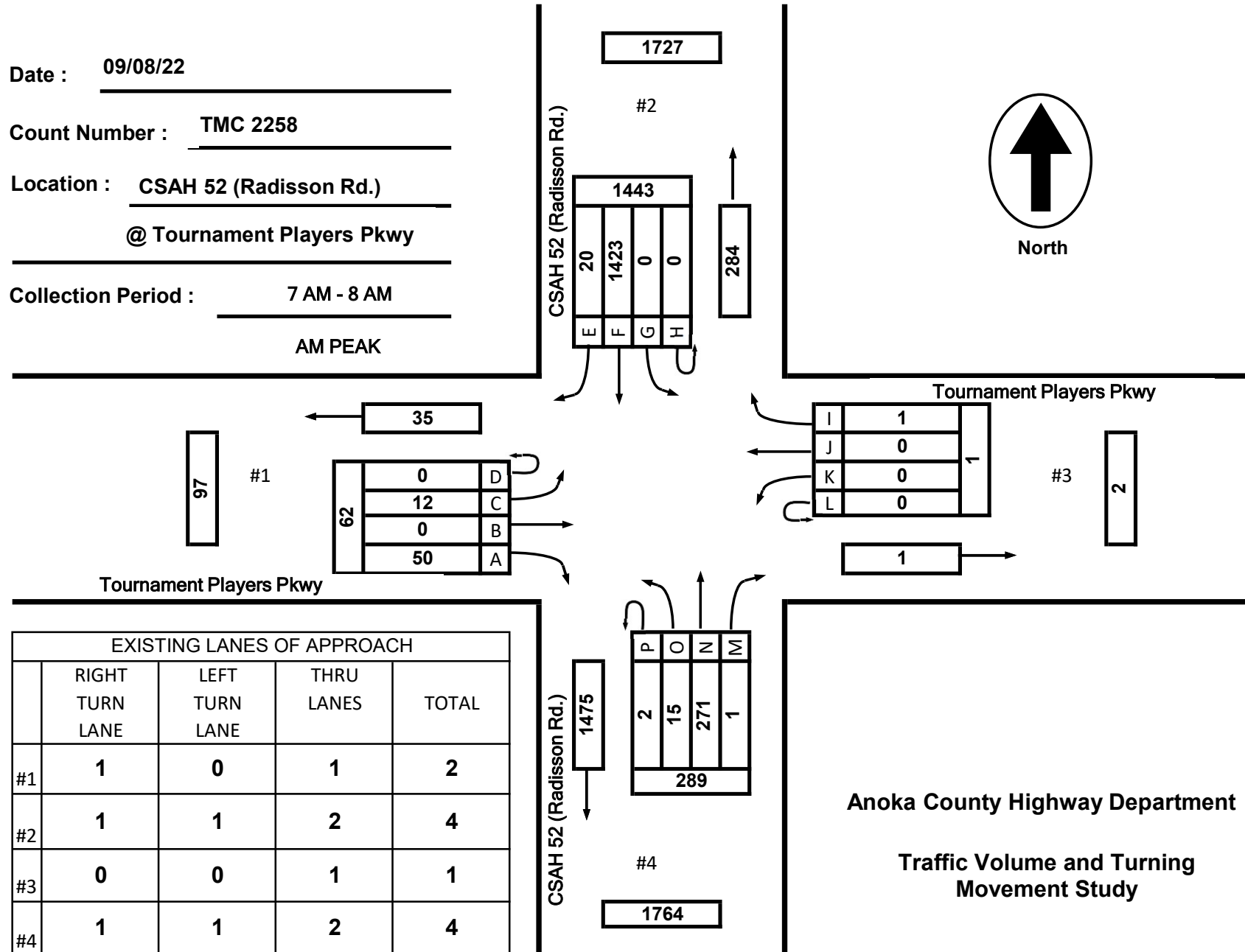
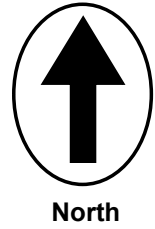
Anoka County Highway Department
 Traffic Volume and Turning Movement Study

Date : 09/08/22

Count Number : TMC 2258

Location : CSAH 52 (Radisson Rd.)
@ Tournament Players Pkwy

Collection Period : 7 AM - 8 AM
AM PEAK



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

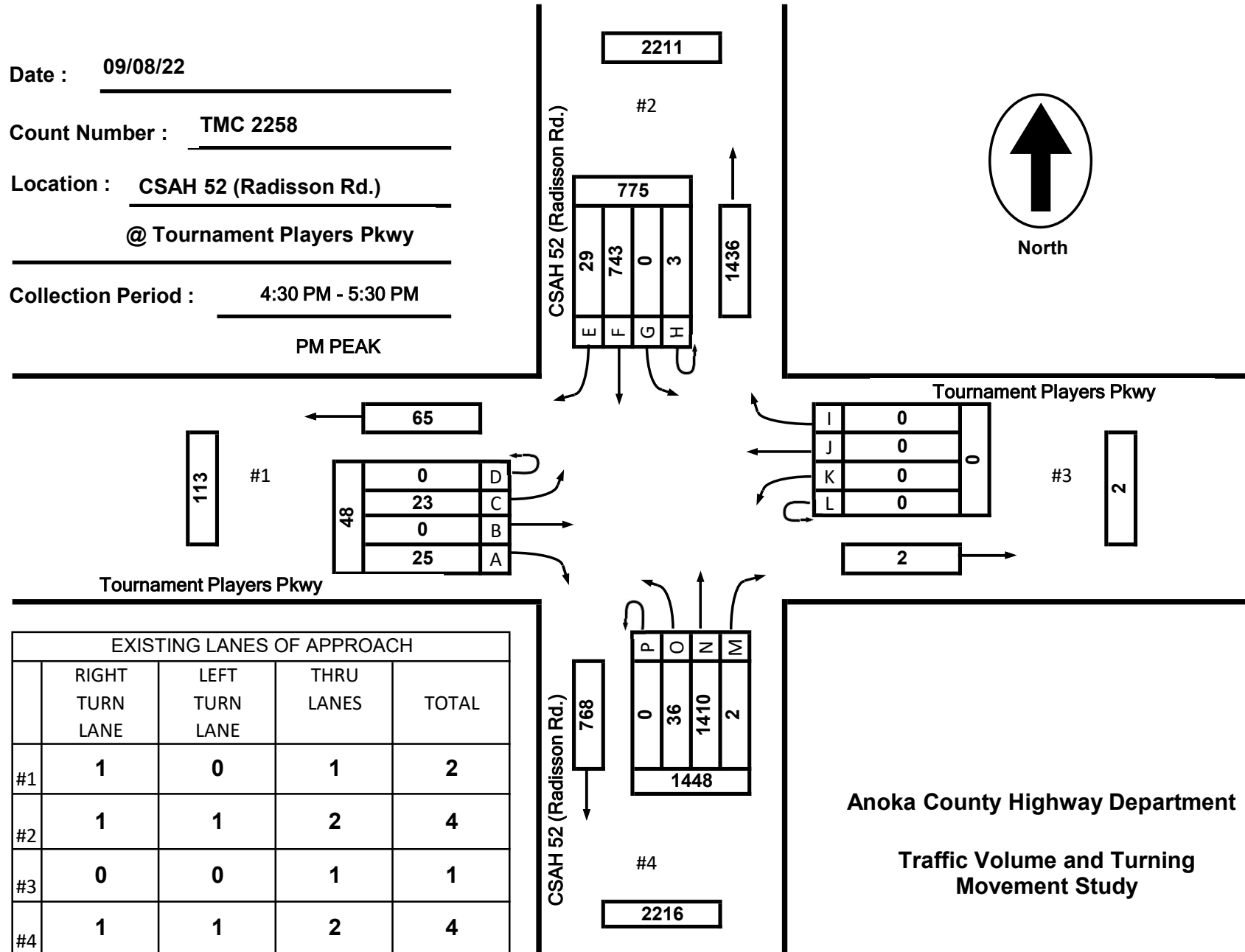
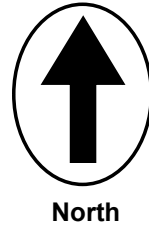
Anoka County Highway Department
 Traffic Volume and Turning Movement Study

Date : 09/08/22

Count Number : TMC 2258

Location : CSAH 52 (Radisson Rd.)
@ Tournament Players Pkwy

Collection Period : 4:30 PM - 5:30 PM
PM PEAK



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

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

TMC 2258
Blaine Minnesota
Thursday, September 8, 2022

Time	Southbound CSAH 52 (Radisson Rd.)						Westbound Tournament Players Pkwy						Northbound CSAH 52 (Radisson Rd.)						Eastbound Tournament Players Pkwy						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	9	0	0	9	0	1	0	0	0	1	11
12:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	15
12:30 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	7
12:45 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	7	0	0	8	0	0	0	0	0	0	11
Hourly Total	0	0	11	0	0	11	0	0	0	0	0	0	0	1	31	0	0	32	0	1	0	0	0	1	44
1:00 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	7
1:15 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5
1:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	7
1:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4
Hourly Total	0	0	10	0	0	10	0	0	0	0	0	0	0	1	12	0	0	13	0	0	0	0	0	0	23
2:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	8
2:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4
2:30 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	7
2:45 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	6
Hourly Total	0	0	10	0	0	10	0	0	0	0	0	0	0	0	15	0	0	15	0	0	0	0	0	0	25
3:00 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	7
3:15 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	1	13
3:30 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	12
3:45 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	12
Hourly Total	0	0	30	0	0	30	0	0	0	0	0	0	0	0	13	0	0	13	0	1	0	0	0	1	44
4:00 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	18
4:15 AM	0	0	29	0	0	29	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	31
4:30 AM	0	0	50	0	0	50	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	1	0	1	55
4:45 AM	0	0	46	1	0	47	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0	0	0	1	52
Hourly Total	0	0	141	1	0	142	0	0	0	0	0	0	0	0	12	0	0	12	0	1	0	1	0	2	156
5:00 AM	0	0	66	0	0	66	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	73
5:15 AM	0	0	87	0	0	87	0	0	0	0	0	0	0	0	11	0	0	11	0	2	0	4	0	6	104
5:30 AM	0	0	123	0	0	123	0	0	0	1	0	1	0	1	11	0	0	12	0	4	0	3	0	7	143
5:45 AM	0	0	118	0	0	118	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	5	0	5	139
Hourly Total	0	0	394	0	0	394	0	0	0	1	0	1	0	1	45	0	0	46	0	6	0	12	0	18	459
6:00 AM	0	0	154	0	0	154	0	0	0	0	0	0	0	0	11	0	0	11	0	1	0	2	0	3	168
6:15 AM	0	0	201	2	0	203	0	1	0	0	0	1	0	0	20	0	0	20	0	1	0	1	0	2	226
6:30 AM	0	0	229	2	0	231	0	2	0	1	0	3	0	2	28	0	0	30	0	1	0	6	0	7	271
6:45 AM	0	0	282	2	0	284	0	0	0	0	0	0	1	1	39	0	0	41	0	0	0	2	0	2	327
Hourly Total	0	0	866	6	0	872	0	3	0	1	0	4	1	3	98	0	0	102	0	3	0	11	0	14	992
7:00 AM	0	0	286	4	0	290	0	0	0	0	0	0	0	0	68	0	0	68	0	1	0	8	1	9	367
7:15 AM	0	0	360	5	0	365	0	0	0	1	0	1	0	1	59	1	0	61	0	6	0	16	0	22	449
7:30 AM	0	0	412	4	0	416	0	0	0	0	0	0	2	8	68	0	0	78	0	0	0	13	0	13	507
7:45 AM	0	0	365	7	0	372	0	0	0	0	0	0	0	6	76	0	0	82	0	5	0	13	1	18	472
Hourly Total	0	0	1423	20	0	1443	0	0	0	1	0	1	2	15	271	1	0	289	0	12	0	50	2	62	1795

TMC 2258
Blaine Minnesota
Thursday, September 8, 2022

Time	Southbound CSAH 52 (Radisson Rd.)						Westbound Tournament Players Pkwy						Northbound CSAH 52 (Radisson Rd.)						Eastbound Tournament Players Pkwy						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
8:00 AM	0	0	234	9	0	243	0	1	0	0	0	1	0	3	77	0	0	80	1	3	0	4	0	8	332
8:15 AM	0	0	208	8	0	216	0	0	0	0	0	0	0	4	69	0	0	73	0	0	0	8	1	8	297
8:30 AM	0	0	214	9	0	223	0	0	0	0	0	0	0	4	73	0	0	77	0	2	0	10	0	12	312
8:45 AM	0	0	198	5	0	203	0	0	0	0	0	0	0	4	89	0	0	93	0	2	0	7	0	9	305
Hourly Total	0	0	854	31	0	885	0	1	0	0	0	1	0	15	308	0	0	323	1	7	0	29	1	37	1246
9:00 AM	0	0	184	4	0	188	0	0	0	0	0	0	0	2	63	0	0	65	0	3	0	9	2	12	265
9:15 AM	1	0	143	6	0	150	0	0	0	0	0	0	0	4	76	0	0	80	0	3	0	9	2	12	242
9:30 AM	1	0	124	7	0	132	0	0	0	0	0	0	0	9	75	0	0	84	0	2	0	7	1	9	225
9:45 AM	0	1	137	5	0	143	0	0	1	0	0	1	0	5	76	0	0	81	0	8	0	4	1	12	237
Hourly Total	2	1	588	22	0	613	0	0	1	0	0	1	0	20	290	0	0	310	0	16	0	29	6	45	969
10:00 AM	1	0	112	11	0	124	0	1	0	0	0	1	0	2	101	0	0	103	0	4	0	8	0	12	240
10:15 AM	0	0	117	8	0	125	0	0	0	0	0	0	0	6	65	0	0	71	0	6	0	5	0	11	207
10:30 AM	0	0	123	6	0	129	0	0	0	0	0	0	0	3	75	0	0	78	0	5	0	14	0	19	226
10:45 AM	0	0	118	9	0	127	0	0	0	0	0	0	1	3	73	0	0	77	0	5	0	1	0	6	210
Hourly Total	1	0	470	34	0	505	0	1	0	0	0	1	1	14	314	0	0	329	0	20	0	28	0	48	883
11:00 AM	0	0	111	3	0	114	0	0	0	0	0	0	0	1	70	1	0	72	0	4	0	3	3	7	193
11:15 AM	0	0	114	4	0	118	0	0	0	0	0	0	0	4	82	0	0	86	0	2	0	4	0	6	210
11:30 AM	0	1	105	7	0	113	0	0	0	1	0	1	0	6	111	1	0	118	0	3	0	8	0	11	243
11:45 AM	0	0	109	1	0	110	0	0	0	1	0	1	0	4	94	0	0	98	0	2	0	6	1	8	217
Hourly Total	0	1	439	15	0	455	0	0	0	2	0	2	0	15	357	2	0	374	0	11	0	21	4	32	863
12:00 PM	0	0	120	3	0	123	0	0	0	0	0	0	0	2	100	0	0	102	0	4	0	3	0	7	232
12:15 PM	0	1	114	3	0	118	0	0	0	0	0	0	0	4	108	0	0	112	0	2	0	5	2	7	237
12:30 PM	0	0	120	6	0	126	0	0	0	0	0	0	2	3	107	0	0	112	0	8	0	3	0	11	249
12:45 PM	0	0	117	2	0	119	0	0	0	0	0	0	0	5	114	0	0	119	0	5	0	5	0	10	248
Hourly Total	0	1	471	14	0	486	0	0	0	0	0	0	2	14	429	0	0	445	0	19	0	16	2	35	966
1:00 PM	0	0	119	7	0	126	0	0	0	0	0	0	3	4	98	0	0	105	0	2	0	4	0	6	237
1:15 PM	0	0	103	5	0	108	0	2	0	1	0	3	0	3	110	1	0	114	0	5	0	6	0	11	236
1:30 PM	0	0	108	1	0	109	0	0	0	0	0	0	0	4	105	0	0	109	0	3	0	8	0	11	229
1:45 PM	0	0	98	1	0	99	0	0	0	0	0	0	0	8	121	0	0	129	0	2	0	3	0	5	233
Hourly Total	0	0	428	14	0	442	0	2	0	1	0	3	3	19	434	1	0	457	0	12	0	21	0	33	935
2:00 PM	0	0	101	4	0	105	0	0	0	1	0	1	1	4	144	2	0	151	0	5	0	8	3	13	270
2:15 PM	0	0	127	5	0	132	0	0	0	0	0	0	0	4	149	0	0	153	0	2	0	3	0	5	290
2:30 PM	0	1	122	4	0	127	0	0	0	0	0	0	1	5	172	1	0	179	0	7	0	6	0	13	319
2:45 PM	0	0	133	4	0	137	0	1	0	0	0	1	0	5	200	0	0	205	0	6	0	7	1	13	356
Hourly Total	0	1	483	17	0	501	0	1	0	1	0	2	2	18	665	3	0	688	0	20	0	24	4	44	1235
3:00 PM	0	0	122	2	0	124	0	0	0	0	0	0	0	6	262	1	0	269	0	7	0	2	0	9	402
3:15 PM	0	0	151	1	0	152	0	1	0	0	0	1	1	9	252	0	0	262	0	11	0	11	0	22	437
3:30 PM	0	0	153	4	0	157	0	0	0	0	0	0	0	7	295	0	0	302	0	5	0	7	0	12	471
3:45 PM	0	0	134	7	0	141	0	0	0	0	0	0	0	9	316	0	0	325	0	1	0	1	0	2	468
Hourly Total	0	0	560	14	0	574	0	1	0	0	0	1	1	31	1125	1	0	1158	0	24	0	21	0	45	1778

TMC 2258
Blaine Minnesota
Thursday, September 8, 2022

Time	Southbound CSAH 52 (Radisson Rd.)						Westbound Tournament Players Pkwy						Northbound CSAH 52 (Radisson Rd.)						Eastbound Tournament Players Pkwy						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	2	156	9	0	167	0	0	0	0	0	0	0	7	322	0	0	329	0	6	0	6	0	12	508
4:15 PM	0	0	152	7	0	159	0	0	0	0	0	0	0	11	338	1	0	350	0	6	0	7	0	13	522
4:30 PM	1	0	157	9	0	167	0	0	0	0	0	0	0	12	355	0	0	367	0	4	0	6	0	10	544
4:45 PM	0	0	159	7	0	166	0	0	0	0	0	0	0	8	396	2	0	406	0	5	0	7	1	12	584
Hourly Total	1	2	624	32	0	659	0	0	0	0	0	0	0	38	1411	3	0	1452	0	21	0	26	1	47	2158
5:00 PM	0	0	214	11	0	225	0	0	0	0	0	0	0	6	323	0	0	329	0	7	0	7	0	14	568
5:15 PM	2	0	213	2	0	217	0	0	0	0	0	0	0	10	336	0	0	346	0	7	0	5	0	12	575
5:30 PM	0	0	199	7	0	206	0	0	0	0	0	0	0	4	284	0	0	288	0	3	0	8	0	11	505
5:45 PM	0	0	169	1	0	170	0	0	0	0	0	0	0	2	260	0	0	262	0	8	0	6	0	14	446
Hourly Total	2	0	795	21	0	818	0	0	0	0	0	0	0	22	1203	0	0	1225	0	25	0	26	0	51	2094
6:00 PM	0	0	137	7	0	144	0	0	0	0	0	0	0	8	245	0	0	253	0	9	0	7	1	16	413
6:15 PM	0	0	157	7	0	164	0	0	0	0	0	0	0	5	191	0	0	196	0	7	0	5	0	12	372
6:30 PM	0	0	122	3	0	125	0	0	0	0	0	0	1	3	182	0	0	186	0	4	0	8	0	12	323
6:45 PM	0	0	141	4	0	145	0	0	0	0	0	0	0	4	188	0	0	192	0	5	0	4	1	9	346
Hourly Total	0	0	557	21	0	578	0	0	0	0	0	0	1	20	806	0	0	827	0	25	0	24	2	49	1454
7:00 PM	0	0	120	7	0	127	0	0	0	0	0	0	0	2	202	0	0	204	0	2	0	2	0	4	335
7:15 PM	0	0	96	4	0	100	0	1	0	0	0	1	0	4	172	0	0	176	0	2	0	6	2	8	285
7:30 PM	0	0	106	9	0	115	0	0	1	0	0	1	1	2	150	1	0	154	0	5	0	4	0	9	279
7:45 PM	0	0	57	3	0	60	0	0	0	0	0	0	0	7	150	0	0	157	0	5	0	2	0	7	224
Hourly Total	0	0	379	23	0	402	0	1	1	0	0	2	1	15	674	1	0	691	0	14	0	14	2	28	1123
8:00 PM	1	0	78	4	0	83	0	0	0	0	0	0	0	4	150	0	0	154	0	6	0	3	0	9	246
8:15 PM	1	0	54	6	0	61	0	0	0	0	0	0	0	5	129	0	0	134	0	6	0	3	0	9	204
8:30 PM	0	0	54	3	0	57	0	0	0	0	0	0	0	2	102	0	0	104	0	3	0	2	0	5	166
8:45 PM	0	0	44	2	0	46	0	0	0	0	0	0	0	4	95	0	0	99	0	5	0	6	0	11	156
Hourly Total	2	0	230	15	0	247	0	0	0	0	0	0	0	15	476	0	0	491	0	20	0	14	0	34	772
9:00 PM	0	0	45	3	0	48	0	0	0	0	0	0	0	1	77	0	0	78	0	3	0	1	0	4	130
9:15 PM	0	0	32	1	0	33	0	0	0	0	0	0	0	0	83	0	0	83	0	1	0	0	0	1	117
9:30 PM	0	1	24	7	0	32	0	0	0	0	0	0	0	2	109	0	0	111	0	3	0	1	0	4	147
9:45 PM	0	0	17	3	0	20	0	0	0	0	0	0	0	4	94	0	0	98	0	2	0	1	0	3	121
Hourly Total	0	1	118	14	0	133	0	0	0	0	0	0	0	7	363	0	0	370	0	9	0	3	0	12	515
10:00 PM	0	0	27	0	0	27	0	0	0	0	0	0	0	2	54	0	0	56	0	3	0	0	0	3	86
10:15 PM	0	0	15	2	0	17	0	0	0	0	0	0	0	2	64	0	0	66	0	4	0	2	0	6	89
10:30 PM	0	0	15	2	0	17	0	0	0	0	0	0	0	2	44	0	0	46	0	1	0	0	0	1	64
10:45 PM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	23	0	0	23	0	0	0	1	0	1	35
Hourly Total	0	0	68	4	0	72	0	0	0	0	0	0	0	6	185	0	0	191	0	8	0	3	0	11	274
11:00 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	3	31	0	0	34	0	1	0	0	0	1	38
11:15 PM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	22	0	0	22	0	0	0	0	0	0	30
11:30 PM	0	0	9	1	0	10	0	0	0	0	0	0	0	0	26	0	0	26	0	0	0	0	0	0	36
11:45 PM	0	0	3	1	0	4	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	0	0	0	23
Hourly Total	0	0	23	2	0	25	0	0	0	0	0	0	0	3	98	0	0	101	0	1	0	0	0	1	127
DAILY TOTAL	8	7	9972	320	0	10307	0	10	2	7	0	19	14	293	9635	12	0	9954	1	276	0	373	24	650	20930
Cars	8	7	9726	310	0	10051	0	10	2	6	0	18	14	284	9463	11	0	9772	1	271	0	360	15	632	20473
Heavy Vehicles	0	0	246	10	0	256	0	0	0	1	0	1	0	9	172	1	0	182	0	5	0	13	9	18	457
Heavy Vehicle %	0.00%	0.00%	2.47%	3.13%	0.00%	2.46%	0.00%	0.00%	0.00%	14.29%	0.00%	5.26%	0.00%	3.07%	1.79%	8.33%	0.00%	1.83%	0.00%	1.81%	0.00%	3.49%	37.50%	2.77%	2.18%

TMC 2258
Blaine Minnesota
Thursday, September 8, 2022
AM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:00 AM	0	0	286	4	0	290	0	0	0	0	0	0	0	0	68	0	0	68	0	1	0	8	1	9	367
7:15 AM	0	0	360	5	0	365	0	0	0	1	0	1	0	1	59	1	0	61	0	6	0	16	0	22	449
7:30 AM	0	0	412	4	0	416	0	0	0	0	0	0	2	8	68	0	0	78	0	0	0	13	0	13	507
7:45 AM	0	0	365	7	0	372	0	0	0	0	0	0	0	6	76	0	0	82	0	5	0	13	1	18	472
Peak Hour Total	0	0	1423	20	0	1443	0	0	0	1	0	1	2	15	271	1	0	289	0	12	0	50	2	62	1795
PHF	0.000	0.000	0.863	0.714	0.000	0.867	0.000	0.000	0.000	0.250	0.000	0.250	0.250	0.469	0.891	0.250	0.000	0.881	0.000	0.500	0.000	0.781	0.500	0.705	0.885

PM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:30 PM	1	0	157	9	0	167	0	0	0	0	0	0	0	12	355	0	0	367	0	4	0	6	0	10	544
4:45 PM	0	0	159	7	0	166	0	0	0	0	0	0	0	8	396	2	0	406	0	5	0	7	1	12	584
5:00 PM	0	0	214	11	0	225	0	0	0	0	0	0	0	6	323	0	0	329	0	7	0	7	0	14	568
5:15 PM	2	0	213	2	0	217	0	0	0	0	0	0	0	10	336	0	0	346	0	7	0	5	0	12	575
Peak Hour Total	3	0	743	29	0	775	0	0	0	0	0	0	0	36	1410	2	0	1448	0	23	0	25	1	48	2271
PHF	0.375	0.000	0.868	0.659	0.000	0.861	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.890	0.250	0.000	0.892	0.000	0.821	0.000	0.893	0.250	0.857	0.972

Total Vehicles On Leg		20233	
Vehicles Entering Intersection	10307	Vehicles Exiting Intersection	9926
Southbound			
Cars	310	9726	7
Heavy	10	246	0
Total	320	9972	7



Total Vehicles on Leg 1266	Vehicles Entering Intersection 650	Eastbound	Cars	Heavy	Total
			15	9	24
	1		0	1	
	271		5	276	
Vehicles Exiting Intersection 616			0	0	0
			360	13	373



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 19	Total Vehicles on Leg 38
6	1	7			
2	0	2			
10	0	10			
0	0	0	Vehicles Exiting Intersection 19		
0	0	0			



Cars	0	14	284	9463	11
Heavy	0	0	9	172	1
Total	0	14	293	9635	12
Northbound					
Vehicles Entering Intersection	9954	Vehicles Exiting Intersection	10369		
Total Vehicles On Leg	20323				



Heavy Vehicles

Date	Time	Southbound					Westbound					Northbound					Eastbound				
		U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	Bicycles in Crosswalk
09/8/2022	0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:15	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	6:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:15	0	0	5	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	6:30	0	0	4	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0
	6:45	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	7:00	0	0	8	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	1
	7:15	0	0	4	2	0	0	0	1	0	0	1	2	1	0	0	0	0	2	0	0
	7:30	0	0	7	0	0	0	0	0	0	0	1	4	0	0	0	0	0	1	0	0
	7:45	0	0	6	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1	1	0
	8:00	0	0	7	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	8:15	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	8:30	0	0	6	1	0	0	0	0	0	0	0	8	0	0	0	0	0	1	0	0
	8:45	0	0	8	0	0	0	0	0	0	0	0	9	0	0	0	1	0	1	0	0
	9:00	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	9:15	0	0	11	0	0	0	0	0	0	0	1	5	0	0	0	0	0	1	0	0
	9:30	0	0	2	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	9:45	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0
	10:00	0	0	3	0	0	0	0	0	0	0	0	4	0	0	0	0	0	1	0	0
	10:15	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	10:30	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	10:45	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	11:00	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	11:15	0	0	5	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	11:30	0	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	11:45	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2258

Study Date : 11/18/2022

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 52

Number of Lanes : 2+

Total Approach Volume: 9,954

Southbound: CSAH 52

Number of Lanes :2+

Total Approach Volume: 10,307

Minor Street Approaches

Eastbound: Tournament Players Parkway

Number of Lanes :1

Total Approach Volume: 650

Westbound: Tournament Players Parkway

Number of Lanes :1

Total Approach Volume: 19

Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Not Satisfied

Warrant 1A - Minimum Vehicular Volume.....Not Satisfied

Required volumes reached for 0 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied

Required volumes reached for 4 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Not Satisfied

Required 1A volumes reached for 0 hours, 8 are needed

Required 1B volumes reached for 9 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Not Satisfied

Number of hours (1) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour.....Not Satisfied

Warrant 3A - Peak Hour Delay.....Not Satisfied

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Not Satisfied

Volumes do not exceed minimums for any one hour period.

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: TMC 2258

Study Date : 11/18/2022

Warrant 1A - Minimum Volumes

Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

Summary

Only 0 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **420**
 Veh/Hr Minor = **105**

Time	Major Road CSAH 52				Total	Minor Road Tournament Players Parkway		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:30 - 17:30	1448	+	775	=	2223	48	0	No
16:45 - 17:45	1369	+	814	=	2183	49	0	No
16:15 - 17:15	1452	+	717	=	2169	49	0	No
16:00 - 17:00	1452	+	659	=	2111	47	0	No
17:00 - 18:00	1225	+	818	=	2043	51	0	No
15:45 - 16:45	1371	+	634	=	2005	37	0	No
15:30 - 16:30	1306	+	624	=	1930	39	0	No
17:15 - 18:15	1149	+	737	=	1886	53	0	No
15:15 - 16:15	1218	+	617	=	1835	48	1	No
15:00 - 16:00	1158	+	574	=	1732	45	1	No
07:00 - 08:00	289	+	1443	=	1732	62	1	No
07:15 - 08:15	301	+	1396	=	1697	61	2	No
17:30 - 18:30	999	+	684	=	1683	53	0	No
14:45 - 15:45	1038	+	570	=	1608	56	2	No
06:45 - 07:45	248	+	1355	=	1603	46	1	No
07:30 - 08:30	313	+	1247	=	1560	47	1	No
17:45 - 18:45	897	+	603	=	1500	54	0	No
14:30 - 15:30	915	+	540	=	1455	57	2	No
18:00 - 19:00	827	+	578	=	1405	49	0	No
06:30 - 07:30	200	+	1170	=	1370	40	4	No
07:45 - 08:45	312	+	1054	=	1366	46	1	No
18:15 - 19:15	778	+	561	=	1339	37	0	No
14:15 - 15:15	806	+	520	=	1326	40	1	No
18:30 - 19:30	758	+	497	=	1255	33	1	No
18:45 - 19:45	726		487		1213	30	2	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2258

Study Date : 11/18/2022

Warrant 1B - Interruption of Continuous Traffic

Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

Summary

Only 4 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **630**
 Veh/Hr Minor = **53**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
17:15 - 18:15	1149	+	737	=	1886	53	0	Yes
07:00 - 08:00	289	+	1443	=	1732	62	1	Yes
14:30 - 15:30	915	+	540	=	1455	57	2	Yes
09:45 - 10:45	333	+	521	=	854	54	2	Yes
16:30 - 17:30	1448	+	775	=	2223	48	0	No
16:45 - 17:45	1369	+	814	=	2183	49	0	No
16:15 - 17:15	1452	+	717	=	2169	49	0	No
16:00 - 17:00	1452	+	659	=	2111	47	0	No
17:00 - 18:00	1225	+	818	=	2043	51	0	No
15:45 - 16:45	1371	+	634	=	2005	37	0	No
15:30 - 16:30	1306	+	624	=	1930	39	0	No
06:45 - 07:45	248	+	1355	=	1603	46	1	No
06:30 - 07:30	200	+	1170	=	1370	40	4	No
18:15 - 19:15	778	+	561	=	1339	37	0	No
14:15 - 15:15	806	+	520	=	1326	40	1	No
18:30 - 19:30	758	+	497	=	1255	33	1	No
18:45 - 19:45	726	+	487	=	1213	30	2	No
08:00 - 09:00	323	+	885	=	1208	37	1	No
14:00 - 15:00	688	+	501	=	1189	44	2	No
06:15 - 07:15	159	+	1008	=	1167	20	4	No
08:15 - 09:15	308	+	830	=	1138	41	0	No
19:00 - 20:00	691	+	402	=	1093	28	2	No
08:30 - 09:30	315	+	764	=	1079	45	0	No
13:45 - 14:45	612	+	463	=	1075	36	1	No
19:15 - 20:15	641		358		999	33	2	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2258

Study Date : 11/18/2022

Warrant 1C Combination of Warrants

Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

Summary

Only 0 hours meet 1A minimums.
9 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
Number of Major Lanes = **2 or more**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **336 504**

Veh/Hr Minor = **84 42**

Time	Major Road				Total	Minor Road		Met1A?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 52					Tournament Players Parkway		
16:30 - 17:30	1448	+	775	=	2223	48	0	No
16:45 - 17:45	1369	+	814	=	2183	49	0	No
16:15 - 17:15	1452	+	717	=	2169	49	0	No
16:00 - 17:00	1452	+	659	=	2111	47	0	No
17:00 - 18:00	1225	+	818	=	2043	51	0	No
15:45 - 16:45	1371	+	634	=	2005	37	0	No
15:30 - 16:30	1306	+	624	=	1930	39	0	No
17:15 - 18:15	1149	+	737	=	1886	53	0	No
15:15 - 16:15	1218	+	617	=	1835	48	1	No
07:00 - 08:00	289	+	1443	=	1732	62	1	No
15:00 - 16:00	1158	+	574	=	1732	45	1	No
07:15 - 08:15	301		1396		1697	61	2	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	1452	+	659	=	2111	47	0	Yes
17:00 - 18:00	1225	+	818	=	2043	51	0	Yes
15:00 - 16:00	1158	+	574	=	1732	45	1	Yes
06:45 - 07:45	248	+	1355	=	1603	46	1	Yes
18:00 - 19:00	827	+	578	=	1405	49	0	Yes
07:45 - 08:45	312	+	1054	=	1366	46	1	Yes
14:00 - 15:00	688	+	501	=	1189	44	2	Yes
08:45 - 09:45	322	+	673	=	995	42	0	Yes
09:45 - 10:45	333	+	521	=	854	54	2	Yes
06:30 - 07:30	200	+	1170	=	1370	40	4	No
06:15 - 07:15	159	+	1008	=	1167	20	4	No
19:00 - 20:00	691		402		1093	28	2	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2258

Study Date : 11/18/2022

Warrant 2 - Four Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

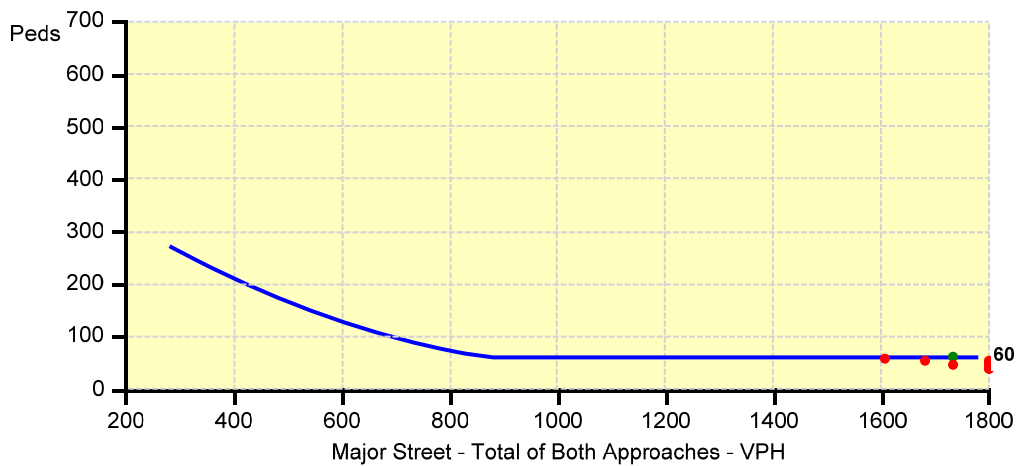
Summary

Only 1 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Time	Major Road CSAH 52				Total	Minor Road Tournament Players Parkway		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
07:00 - 08:00	289	+	1443	=	1732	62	1	Yes
16:30 - 17:30	1448	+	775	=	2223	48	0	No
16:45 - 17:45	1369	+	814	=	2183	49	0	No
16:15 - 17:15	1452	+	717	=	2169	49	0	No
16:00 - 17:00	1452	+	659	=	2111	47	0	No
17:00 - 18:00	1225	+	818	=	2043	51	0	No
15:45 - 16:45	1371	+	634	=	2005	37	0	No
15:30 - 16:30	1306	+	624	=	1930	39	0	No
17:15 - 18:15	1149	+	737	=	1886	53	0	No
15:15 - 16:15	1218	+	617	=	1835	48	1	No
15:00 - 16:00	1158	+	574	=	1732	45	1	No
							0	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2258

Study Date : 11/18/2022

Warrant 3B - Peak Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

Summary

Only 0 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

Rural Settings Apply = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Time	Major Road CSAH 52				Total	Minor Road Tournament Players Parkway		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:30 - 17:30	1448	+	775	=	2223	48	0	No
16:45 - 17:45	1369	+	814	=	2183	49	0	No
16:15 - 17:15	1452	+	717	=	2169	49	0	No
16:00 - 17:00	1452	+	659	=	2111	47	0	No
17:00 - 18:00	1225	+	818	=	2043	51	0	No
15:45 - 16:45	1371	+	634	=	2005	37	0	No
15:30 - 16:30	1306	+	624	=	1930	39	0	No
17:15 - 18:15	1149	+	737	=	1886	53	0	No
15:15 - 16:15	1218	+	617	=	1835	48	1	No
15:00 - 16:00	1158	+	574	=	1732	45	1	No
07:00 - 08:00	289	+	1443	=	1732	62	1	No
							2	No

