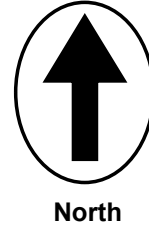


Date : 09/08/22

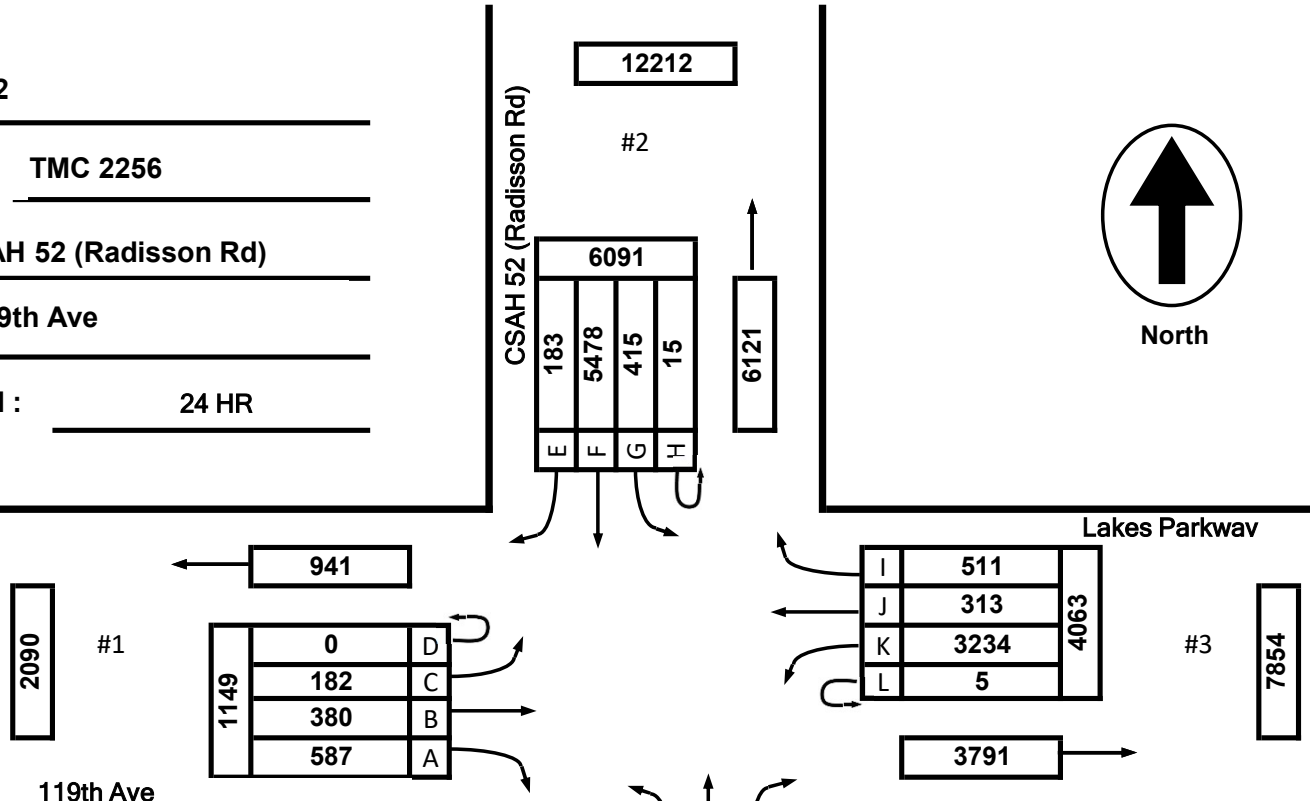
Count Number : TMC 2256

Location : CSAH 52 (Radisson Rd)  
@ 119th Ave

Collection Period : 24 HR



North



119th Ave

Lakes Parkway

CSAH 52 (Radisson Rd)

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

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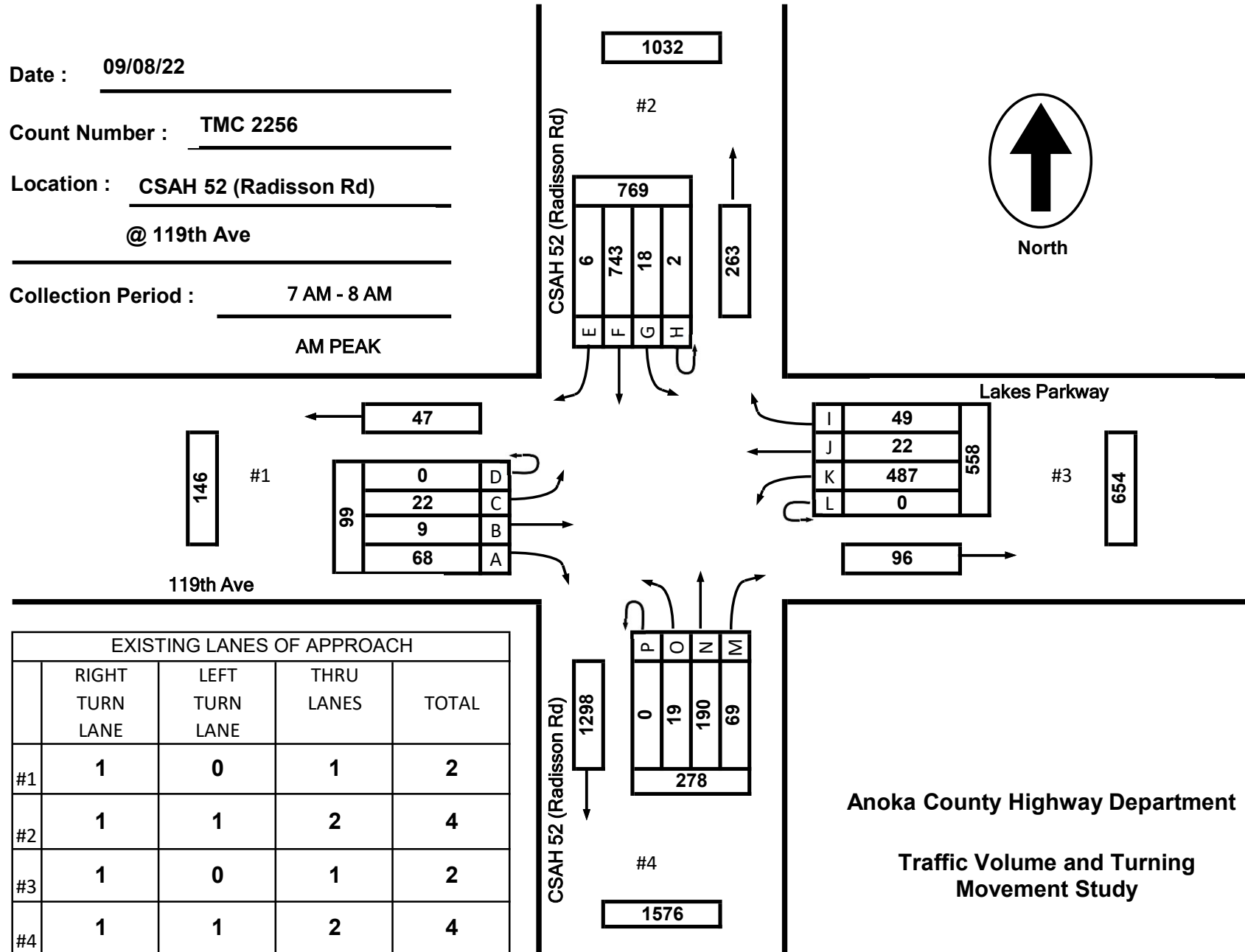
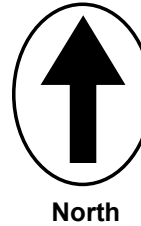
Traffic Volume and Turning Movement Study

Date : 09/08/22

Count Number : TMC 2256

Location : CSAH 52 (Radisson Rd)  
@ 119th Ave

Collection Period : 7 AM - 8 AM  
AM PEAK



Anoka County Highway Department

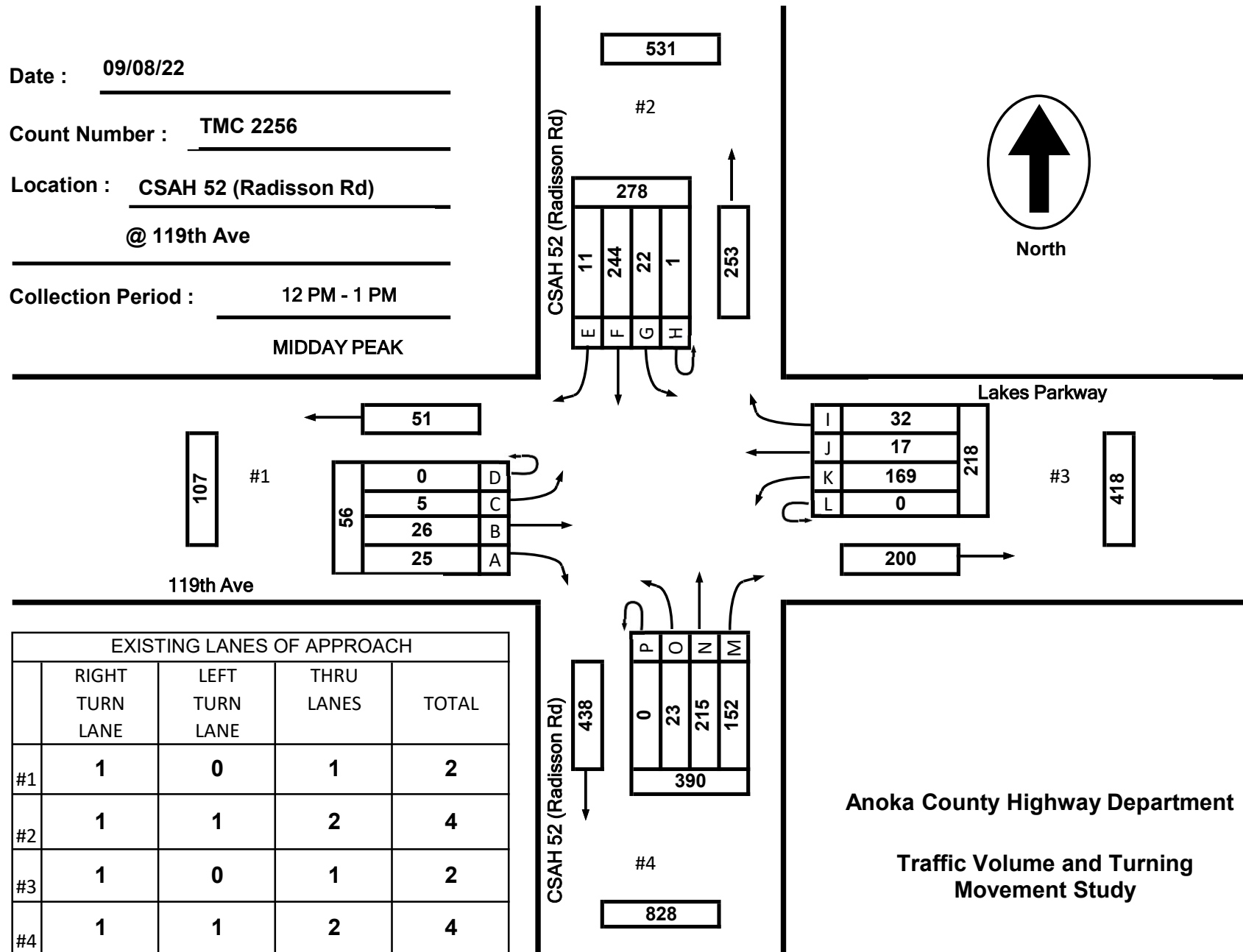
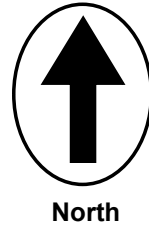
Traffic Volume and Turning Movement Study

Date : 09/08/22

Count Number : TMC 2256

Location : CSAH 52 (Radisson Rd)  
@ 119th Ave

Collection Period : 12 PM - 1 PM  
**MIDDAY PEAK**



Anoka County Highway Department  
**Traffic Volume and Turning Movement Study**

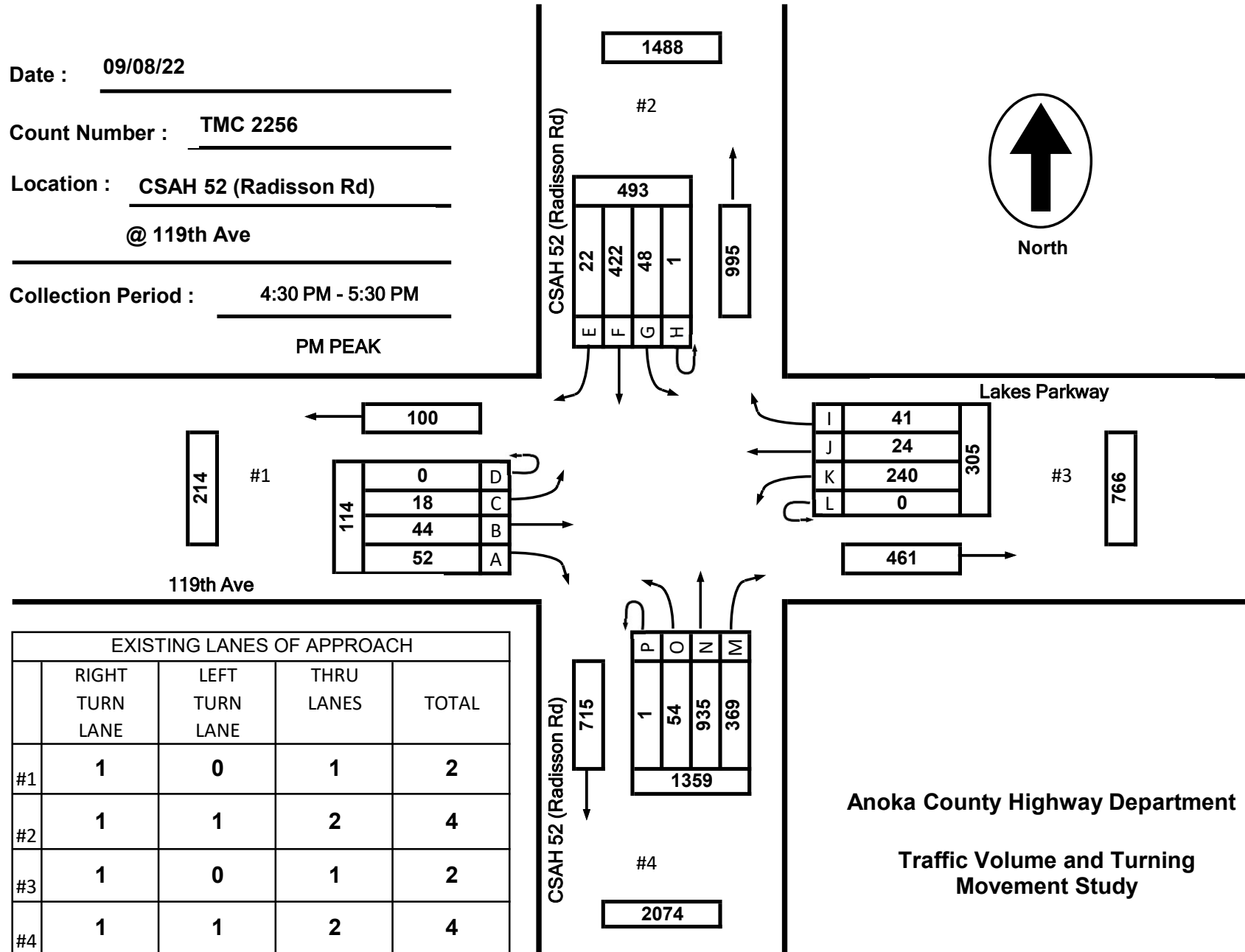
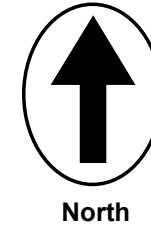
Date : 09/08/22

Count Number : TMC 2256

Location : CSAH 52 (Radisson Rd)  
@ 119th Ave

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

PM PEAK



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 : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 1

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound						Lakes Parkway Westbound						CSAH 52 (Radisson Rd) Northbound						119th Ave Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
00:00	0	0	0	0	0	0	1	0	1	0	0	2	2	6	0	0	0	8	0	0	0	0	0	0	0	10	10
00:15	2	4	1	0	0	7	0	0	0	0	0	0	4	5	2	0	0	11	0	0	0	0	0	0	0	18	18
00:30	0	1	0	0	0	1	0	0	2	0	0	2	0	5	0	0	0	5	0	0	0	0	0	0	0	8	8
00:45	0	3	0	0	0	3	1	0	1	0	0	2	5	2	0	0	0	7	0	0	0	0	0	0	0	12	12
<b>Total</b>	<b>2</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>11</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>48</b>
01:00	0	2	0	0	0	2	0	0	1	0	0	1	2	0	0	0	0	2	0	0	0	0	0	0	0	5	5
01:15	0	1	0	0	0	1	0	0	1	0	0	1	1	2	0	0	0	3	0	0	0	0	0	0	0	5	5
01:30	0	1	0	0	0	1	1	0	1	0	0	2	1	2	0	0	0	3	0	0	0	0	0	0	0	6	6
01:45	1	1	0	0	0	2	1	0	1	0	0	2	1	1	1	0	0	3	0	0	0	0	0	0	0	7	7
<b>Total</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>23</b>
02:00	0	1	0	0	0	1	0	0	0	0	0	0	3	1	0	0	0	4	1	0	0	0	0	1	0	6	6
02:15	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	0	0	1	0	0	1	0	4	4
02:30	0	3	0	0	0	3	0	0	0	0	0	0	0	3	1	0	0	4	0	0	0	0	0	0	0	7	7
02:45	0	2	0	0	0	2	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	4	4
<b>Total</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>21</b>	<b>21</b>
03:00	1	2	0	0	0	3	0	0	1	0	0	1	0	1	1	0	0	2	2	1	0	0	0	3	0	9	9
03:15	0	5	0	0	0	5	0	0	4	0	0	4	2	2	0	0	0	4	0	0	0	0	0	0	0	13	13
03:30	0	4	1	0	0	5	0	0	3	0	0	3	1	3	0	0	0	4	0	0	0	0	0	0	0	12	12
03:45	0	4	0	0	0	4	1	0	4	0	0	5	0	2	0	0	0	2	1	0	0	0	0	1	0	12	12
<b>Total</b>	<b>1</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>46</b>	<b>46</b>
04:00	0	11	0	0	0	11	0	3	3	0	0	6	0	2	0	0	0	2	3	0	0	0	0	3	0	22	22
04:15	0	16	0	0	0	16	0	0	10	0	0	10	0	1	0	0	0	1	1	0	0	0	0	1	0	28	28
04:30	1	32	0	0	0	33	0	0	12	0	0	12	1	4	0	0	0	5	2	1	0	0	0	3	0	53	53
04:45	0	32	0	0	0	32	0	1	11	0	0	12	0	2	0	0	0	2	3	1	0	0	0	4	0	50	50
<b>Total</b>	<b>1</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>4</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>153</b>	<b>153</b>
05:00	0	38	0	0	0	38	2	2	18	0	0	22	3	6	0	0	0	9	2	0	0	0	0	2	0	71	71
05:15	0	64	0	0	0	64	1	0	15	0	0	16	3	8	0	0	0	11	4	1	0	0	0	5	0	96	96
05:30	0	87	0	0	0	87	6	3	29	0	0	38	0	17	0	0	0	17	6	0	0	0	0	6	0	148	148
05:45	1	73	1	0	0	75	3	0	26	0	0	29	4	11	0	0	0	15	7	0	0	0	0	7	0	126	126
<b>Total</b>	<b>1</b>	<b>262</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>264</b>	<b>12</b>	<b>5</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>10</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>19</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>441</b>	<b>441</b>



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 2

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound						Lakes Parkway Westbound						CSAH 52 (Radisson Rd) Northbound						119th Ave Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
06:00	0	90	1	0	0	91	2	0	42	0	0	44	1	10	0	0	0	11	8	0	0	0	0	8	0	154	154
06:15	0	117	6	0	0	123	4	0	56	0	0	60	3	14	0	0	0	17	10	0	1	0	0	11	0	211	211
06:30	0	130	1	0	0	131	8	2	69	0	0	79	5	22	1	0	1	28	12	2	1	0	0	15	1	253	254
06:45	0	178	3	0	0	181	12	4	65	0	0	81	12	28	0	0	0	40	18	3	4	0	0	25	0	327	327
<b>Total</b>	<b>0</b>	<b>515</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>526</b>	<b>26</b>	<b>6</b>	<b>232</b>	<b>0</b>	<b>0</b>	<b>264</b>	<b>21</b>	<b>74</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>96</b>	<b>48</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>1</b>	<b>945</b>	<b>946</b>
07:00	1	140	4	0	0	145	11	3	101	0	0	115	12	46	2	0	0	60	17	1	7	0	0	25	0	345	345
07:15	3	188	4	1	0	196	17	3	121	0	0	141	13	57	6	0	0	76	25	4	4	0	0	33	0	446	446
07:30	1	208	6	0	1	215	13	6	157	0	0	176	24	43	4	0	0	71	13	4	6	0	0	23	1	485	486
07:45	1	207	4	1	2	213	8	10	108	0	0	126	20	44	7	0	0	71	13	0	5	0	0	18	2	428	430
<b>Total</b>	<b>6</b>	<b>743</b>	<b>18</b>	<b>2</b>	<b>3</b>	<b>769</b>	<b>49</b>	<b>22</b>	<b>487</b>	<b>0</b>	<b>0</b>	<b>558</b>	<b>69</b>	<b>190</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>278</b>	<b>68</b>	<b>9</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>99</b>	<b>3</b>	<b>1704</b>	<b>1707</b>
08:00	2	127	2	0	0	131	4	4	79	0	0	87	22	42	6	0	0	70	13	6	0	0	0	19	0	307	307
08:15	2	110	7	0	0	119	6	1	58	1	1	66	21	32	2	1	0	56	19	3	2	0	0	24	1	265	266
08:30	2	104	4	0	1	110	10	5	78	0	0	93	20	46	3	0	1	69	10	5	1	0	0	16	2	288	290
08:45	1	106	6	1	0	114	9	5	63	0	0	77	24	41	3	0	0	68	9	4	3	0	0	16	0	275	275
<b>Total</b>	<b>7</b>	<b>447</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>474</b>	<b>29</b>	<b>15</b>	<b>278</b>	<b>1</b>	<b>1</b>	<b>323</b>	<b>87</b>	<b>161</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>263</b>	<b>51</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>3</b>	<b>1135</b>	<b>1138</b>
09:00	2	94	7	0	0	103	4	7	63	0	0	74	20	41	4	0	0	65	11	7	8	0	0	26	0	268	268
09:15	2	83	4	0	1	89	9	6	43	0	0	58	34	32	0	0	2	66	7	6	4	0	0	17	3	230	233
09:30	2	68	5	0	1	75	6	10	34	0	0	50	16	50	5	0	1	71	10	2	2	0	0	14	2	210	212
09:45	1	71	8	0	1	80	7	1	46	0	1	54	35	38	6	0	0	79	7	4	2	0	0	13	2	226	228
<b>Total</b>	<b>7</b>	<b>316</b>	<b>24</b>	<b>0</b>	<b>3</b>	<b>347</b>	<b>26</b>	<b>24</b>	<b>186</b>	<b>0</b>	<b>1</b>	<b>236</b>	<b>105</b>	<b>161</b>	<b>15</b>	<b>0</b>	<b>3</b>	<b>281</b>	<b>35</b>	<b>19</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>7</b>	<b>934</b>	<b>941</b>
10:00	2	67	6	1	0	76	3	4	32	1	0	40	37	46	5	0	2	88	7	6	0	0	0	13	2	217	219
10:15	0	59	3	1	0	63	7	7	41	0	0	55	24	41	5	0	0	70	3	2	2	0	0	7	0	195	195
10:30	2	64	3	1	0	70	17	11	28	0	1	56	19	48	3	1	0	71	9	4	2	0	0	15	1	212	213
10:45	6	59	2	0	0	67	10	13	53	0	0	76	22	42	4	0	0	68	8	3	0	0	0	11	0	222	222
<b>Total</b>	<b>10</b>	<b>249</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>276</b>	<b>37</b>	<b>35</b>	<b>154</b>	<b>1</b>	<b>1</b>	<b>227</b>	<b>102</b>	<b>177</b>	<b>17</b>	<b>1</b>	<b>2</b>	<b>297</b>	<b>27</b>	<b>15</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>3</b>	<b>846</b>	<b>849</b>
11:00	5	58	4	0	1	67	6	5	32	1	0	44	27	44	1	1	0	73	9	8	0	0	0	17	1	201	202
11:15	1	62	3	0	1	66	8	6	43	0	1	57	20	50	3	0	0	73	7	2	7	0	0	16	2	212	214
11:30	4	64	9	0	0	77	7	5	28	0	0	40	29	63	7	0	0	99	7	2	3	0	0	12	0	228	228
11:45	1	51	4	2	0	58	4	6	44	0	0	54	28	55	4	0	1	87	3	9	3	0	0	15	1	214	215
<b>Total</b>	<b>11</b>	<b>235</b>	<b>20</b>	<b>2</b>	<b>2</b>	<b>268</b>	<b>25</b>	<b>22</b>	<b>147</b>	<b>1</b>	<b>1</b>	<b>195</b>	<b>104</b>	<b>212</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>332</b>	<b>26</b>	<b>21</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>4</b>	<b>855</b>	<b>859</b>
12:00	0	61	4	0	1	65	10	2	46	0	0	58	37	47	8	0	0	92	4	6	2	0	0	12	1	227	228
12:15	2	59	6	0	1	67	10	4	48	0	0	62	44	54	1	0	0	99	4	10	3	0	0	17	1	245	246
12:30	6	68	9	0	1	83	9	3	40	0	0	52	38	59	6	0	0	103	7	9	0	0	0	16	1	254	255



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 3

Groups Printed- Cars + - Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound						Lakes Parkway Westbound						CSAH 52 (Radisson Rd) Northbound						119th Ave Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
12:45	3	56	3	1	1	63	3	8	35	0	0	46	33	55	8	0	0	96	10	1	0	0	0	11	1	216	217
Total	11	244	22	1	4	278	32	17	169	0	0	218	152	215	23	0	0	390	25	26	5	0	0	56	4	942	946
13:00	0	59	7	0	2	66	4	3	40	0	0	47	32	54	6	0	0	92	5	6	2	0	0	13	2	218	220
13:15	1	57	6	0	0	64	10	8	39	0	0	57	39	60	5	0	1	104	12	10	1	0	0	23	1	248	249
13:30	3	56	5	0	1	64	9	5	38	0	0	52	35	55	5	0	0	95	3	0	3	0	0	6	1	217	218
13:45	2	54	2	0	0	58	8	5	27	0	0	40	40	71	4	0	0	115	8	4	1	0	0	13	0	226	226
Total	6	226	20	0	3	252	31	21	144	0	0	196	146	240	20	0	1	406	28	20	7	0	0	55	4	909	913
14:00	2	56	8	0	1	66	9	6	25	0	0	40	35	90	3	0	0	128	9	8	1	0	1	18	2	252	254
14:15	4	78	6	0	0	88	3	5	30	0	0	38	40	90	5	0	0	135	7	3	4	0	0	14	0	275	275
14:30	3	68	3	0	0	74	9	4	41	0	0	54	50	100	10	0	0	160	9	3	3	0	0	15	0	303	303
14:45	3	78	12	0	0	93	9	0	35	0	0	44	54	111	7	0	0	172	11	7	6	0	0	24	0	333	333
Total	12	280	29	0	1	321	30	15	131	0	0	176	179	391	25	0	0	595	36	21	14	0	1	71	2	1163	1165
15:00	2	70	10	0	0	82	9	4	37	1	0	51	65	145	12	0	1	222	9	13	3	0	0	25	1	380	381
15:15	3	78	10	0	0	91	12	7	51	0	0	70	76	145	9	1	0	231	12	7	0	0	0	19	0	411	411
15:30	2	91	12	0	1	105	10	7	44	0	0	61	61	198	9	0	0	268	6	12	5	0	0	23	1	457	458
15:45	5	77	11	0	0	93	7	3	43	0	0	53	106	179	13	0	1	298	11	7	3	0	0	21	1	465	466
Total	12	316	43	0	1	371	38	21	175	1	0	235	308	667	43	1	2	1019	38	39	11	0	0	88	3	1713	1716
16:00	4	82	4	0	0	90	11	8	64	0	0	83	89	201	13	0	0	303	9	5	4	0	0	18	0	494	494
16:15	5	92	9	0	0	106	10	12	53	0	0	75	97	204	24	0	0	325	7	12	5	0	1	24	1	530	531
16:30	5	110	11	0	0	126	12	6	39	0	0	57	71	263	16	0	0	350	10	9	5	0	0	24	0	557	557
16:45	7	100	9	0	0	116	10	4	51	0	0	65	115	246	12	0	0	373	10	12	5	0	0	27	0	581	581
Total	21	384	33	0	0	438	43	30	207	0	0	280	372	914	65	0	0	1351	36	38	19	0	1	93	1	2162	2163
17:00	8	99	15	0	0	122	6	10	72	0	0	88	92	220	12	1	0	325	15	9	2	0	0	26	0	561	561
17:15	2	113	13	1	0	129	13	4	78	0	0	95	91	206	14	0	0	311	17	14	6	0	1	37	1	572	573
17:30	1	100	14	0	0	115	10	5	89	0	0	104	75	181	12	0	2	268	7	5	4	0	0	16	2	503	505
17:45	1	97	5	0	0	103	13	6	53	0	0	72	75	159	9	0	0	243	6	9	6	0	0	21	0	439	439
Total	12	409	47	1	0	469	42	25	292	0	0	359	333	766	47	1	2	1147	45	37	18	0	1	100	3	2075	2078
18:00	5	77	8	1	0	91	9	2	47	0	0	58	91	136	7	0	0	234	7	15	8	0	0	30	0	413	413
18:15	4	83	10	0	0	97	2	5	58	0	0	65	59	112	9	0	0	180	8	6	2	0	0	16	0	358	358
18:30	6	52	10	0	0	68	5	5	51	0	0	61	61	100	8	0	0	169	7	7	0	0	0	14	0	312	312
18:45	2	71	6	1	0	80	5	6	46	0	0	57	60	95	9	1	3	165	3	6	7	0	0	16	3	318	321
Total	17	283	34	2	0	336	21	18	202	0	0	241	271	443	33	1	3	748	25	34	17	0	0	76	3	1401	1404



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 4

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound						Lakes Parkway Westbound						CSAH 52 (Radisson Rd) Northbound						119th Ave Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
19:00	7	62	8	0	0	77	7	1	45	0	0	53	71	91	10	1	1	173	9	6	2	0	0	17	1	320	321
19:15	1	55	11	0	0	67	10	4	29	0	1	43	67	82	7	0	0	156	5	8	2	0	0	15	1	281	282
19:30	6	51	9	0	0	66	5	2	41	0	0	48	61	64	4	0	0	129	8	9	1	0	0	18	0	261	261
19:45	3	36	8	0	0	47	5	3	15	0	0	23	73	62	5	0	0	140	4	3	3	0	0	10	0	220	220
<b>Total</b>	<b>17</b>	<b>204</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>257</b>	<b>27</b>	<b>10</b>	<b>130</b>	<b>0</b>	<b>1</b>	<b>167</b>	<b>272</b>	<b>299</b>	<b>26</b>	<b>1</b>	<b>1</b>	<b>598</b>	<b>26</b>	<b>26</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>2</b>	<b>1082</b>	<b>1084</b>
20:00	2	42	6	1	0	51	3	1	28	0	0	32	50	66	8	0	0	124	4	8	3	0	0	15	0	222	222
20:15	1	26	5	0	0	32	9	5	18	0	0	32	57	57	8	1	0	123	5	3	1	0	0	9	0	196	196
20:30	4	31	3	1	0	39	5	0	23	0	0	28	33	49	5	1	0	88	2	4	2	0	0	8	0	163	163
20:45	2	16	3	0	0	21	5	3	19	0	0	27	34	36	8	0	0	78	2	4	1	0	0	7	0	133	133
<b>Total</b>	<b>9</b>	<b>115</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>143</b>	<b>22</b>	<b>9</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>174</b>	<b>208</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>413</b>	<b>13</b>	<b>19</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>714</b>	<b>714</b>
21:00	3	21	1	0	0	25	5	2	12	0	0	19	26	28	6	0	0	60	7	3	3	0	0	13	0	117	117
21:15	2	20	5	1	0	28	2	3	10	0	0	15	37	25	6	0	0	68	2	6	0	0	0	8	0	119	119
21:30	4	17	6	0	0	27	1	2	13	0	0	16	48	27	8	0	0	83	4	5	0	0	0	9	0	135	135
21:45	2	13	3	0	0	18	1	2	5	0	0	8	38	32	3	0	0	73	2	5	2	0	0	9	0	108	108
<b>Total</b>	<b>11</b>	<b>71</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>98</b>	<b>9</b>	<b>9</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>149</b>	<b>112</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>15</b>	<b>19</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>0</b>	<b>479</b>	<b>479</b>
22:00	3	18	2	0	0	23	2	1	6	0	0	9	26	15	5	0	0	46	1	1	1	0	0	3	0	81	81
22:15	1	12	1	0	0	14	0	1	5	0	0	6	26	18	6	0	0	50	2	4	0	0	0	6	0	76	76
22:30	1	4	1	0	0	6	0	0	6	0	0	6	17	14	1	0	0	32	4	1	0	0	0	5	0	49	49
22:45	1	4	2	0	0	7	1	1	3	0	0	5	9	10	2	0	0	21	1	1	1	0	0	3	0	36	36
<b>Total</b>	<b>6</b>	<b>38</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>3</b>	<b>3</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>78</b>	<b>57</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>149</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>242</b>	<b>242</b>
23:00	0	4	2	0	0	6	1	0	1	1	0	3	12	12	1	0	0	25	0	0	0	0	0	0	0	34	34
23:15	1	3	0	0	0	4	3	0	4	0	0	7	13	6	1	0	0	20	2	2	1	0	0	5	0	36	36
23:30	0	7	1	0	0	8	0	2	1	0	0	3	6	11	5	0	0	22	2	1	0	0	0	3	0	36	36
23:45	1	2	0	0	0	3	0	0	1	0	0	1	5	9	3	0	0	17	1	0	0	0	0	1	0	22	22
<b>Total</b>	<b>2</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>4</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>14</b>	<b>36</b>	<b>38</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>128</b>	<b>128</b>
<b>Grand Total</b>	<b>183</b>	<b>5478</b>	<b>415</b>	<b>15</b>	<b>18</b>	<b>6091</b>	<b>511</b>	<b>313</b>	<b>3234</b>	<b>5</b>	<b>5</b>	<b>4063</b>	<b>2991</b>	<b>5413</b>	<b>445</b>	<b>9</b>	<b>17</b>	<b>8858</b>	<b>587</b>	<b>380</b>	<b>182</b>	<b>0</b>	<b>3</b>	<b>1149</b>	<b>43</b>	<b>20161</b>	<b>20204</b>
<b>Apprch %</b>	<b>3</b>	<b>89.9</b>	<b>6.8</b>	<b>0.2</b>			<b>12.6</b>	<b>7.7</b>	<b>79.6</b>	<b>0.1</b>			<b>33.8</b>	<b>61.1</b>	<b>5</b>	<b>0.1</b>			<b>51.1</b>	<b>33.1</b>	<b>15.8</b>	<b>0</b>					
<b>Total %</b>	<b>0.9</b>	<b>27.2</b>	<b>2.1</b>	<b>0.1</b>		<b>30.2</b>	<b>2.5</b>	<b>1.6</b>	<b>16</b>	<b>0</b>		<b>20.2</b>	<b>14.8</b>	<b>26.8</b>	<b>2.2</b>	<b>0</b>		<b>43.9</b>	<b>2.9</b>	<b>1.9</b>	<b>0.9</b>	<b>0</b>		<b>5.7</b>	<b>0.2</b>	<b>99.8</b>	
<b>Cars +</b>	<b>182</b>	<b>5236</b>	<b>409</b>	<b>15</b>		<b>5860</b>	<b>499</b>	<b>303</b>	<b>3196</b>	<b>5</b>		<b>4008</b>	<b>2961</b>	<b>5240</b>	<b>440</b>	<b>9</b>		<b>8667</b>	<b>574</b>	<b>373</b>	<b>178</b>	<b>0</b>		<b>1128</b>	<b>0</b>	<b>0</b>	<b>19663</b>
<b>% Cars +</b>	<b>99.5</b>	<b>95.6</b>	<b>98.6</b>	<b>100</b>	<b>100</b>	<b>95.9</b>	<b>97.7</b>	<b>96.8</b>	<b>98.8</b>	<b>100</b>	<b>100</b>	<b>98.5</b>	<b>99</b>	<b>96.8</b>	<b>98.9</b>	<b>100</b>	<b>100</b>	<b>97.7</b>	<b>97.8</b>	<b>98.2</b>	<b>97.8</b>	<b>0</b>	<b>100</b>	<b>97.9</b>	<b>0</b>	<b>0</b>	<b>97.3</b>
<b>Trucks</b>	<b>1</b>	<b>242</b>	<b>6</b>	<b>0</b>		<b>249</b>	<b>12</b>	<b>10</b>	<b>38</b>	<b>0</b>		<b>60</b>	<b>30</b>	<b>173</b>	<b>5</b>	<b>0</b>		<b>208</b>	<b>13</b>	<b>7</b>	<b>4</b>	<b>0</b>		<b>24</b>	<b>0</b>	<b>0</b>	<b>541</b>
<b>% Trucks</b>	<b>0.5</b>	<b>4.4</b>	<b>1.4</b>	<b>0</b>	<b>0</b>	<b>4.1</b>	<b>2.3</b>	<b>3.2</b>	<b>1.2</b>	<b>0</b>	<b>0</b>	<b>1.5</b>	<b>1</b>	<b>3.2</b>	<b>1.1</b>	<b>0</b>	<b>0</b>	<b>2.3</b>	<b>2.2</b>	<b>1.8</b>	<b>2.2</b>	<b>0</b>	<b>0</b>	<b>2.1</b>	<b>0</b>	<b>0</b>	<b>2.7</b>





# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 5

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Start Time	CSAH 52 (Radisson Rd) Southbound					Lakes Parkway Westbound					CSAH 52 (Radisson Rd) Northbound					119th Ave Eastbound					Int. Total
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	
Peak Hour Analysis From 00:00 to 09:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	1	140	4	0	145	11	3	101	0	115	12	46	2	0	60	17	1	7	0	25	345
07:15	3	188	4	1	196	17	3	121	0	141	13	57	6	0	76	25	4	4	0	33	446
07:30	1	<b>208</b>	6	0	<b>215</b>	13	6	<b>157</b>	0	<b>176</b>	24	43	4	0	71	13	4	6	0	23	<b>485</b>
07:45	1	207	4	1	213	8	10	108	0	126	20	44	7	0	71	13	0	5	0	18	428
Total Volume	6	743	18	2	769	49	22	487	0	558	69	190	19	0	278	68	9	22	0	99	1704
% App. Total	0.8	96.6	2.3	0.3		8.8	3.9	87.3	0		24.8	68.3	6.8	0		68.7	9.1	22.2	0		
PHF	.500	.893	.750	.500	.894	.721	.550	.775	.000	.793	.719	.833	.679	.000	.914	.680	.563	.786	.000	.750	.878

Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00																					
12:00	0	61	4	0	65	10	2	46	0	58	37	47	8	0	92	4	6	2	0	12	227
12:15	2	59	6	0	67	10	4	48	0	62	44	54	1	0	99	4	10	3	0	17	245
12:30	6	<b>68</b>	9	0	<b>83</b>	9	3	40	0	52	38	<b>59</b>	6	0	<b>103</b>	7	9	0	0	16	<b>254</b>
12:45	3	56	3	1	63	3	8	35	0	46	33	55	8	0	96	10	1	0	0	11	216
Total Volume	11	244	22	1	278	32	17	169	0	218	152	215	23	0	390	25	26	5	0	56	942
% App. Total	4	87.8	7.9	0.4		14.7	7.8	77.5	0		39	55.1	5.9	0		44.6	46.4	8.9	0		
PHF	.458	.897	.611	.250	.837	.800	.531	.880	.000	.879	.864	.911	.719	.000	.947	.625	.650	.417	.000	.824	.927

Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	5	110	11	0	126	12	6	39	0	57	71	<b>263</b>	16	0	350	10	9	5	0	24	557
16:45	7	100	9	0	116	10	4	51	0	65	115	246	12	0	<b>373</b>	10	12	5	0	27	<b>581</b>
17:00	8	99	15	0	122	6	10	72	0	88	92	220	12	1	325	15	9	2	0	26	561
17:15	2	<b>113</b>	13	1	<b>129</b>	13	4	<b>78</b>	0	<b>95</b>	91	206	14	0	311	17	14	6	0	37	572
Total Volume	22	422	48	1	493	41	24	240	0	305	369	935	54	1	1359	52	44	18	0	114	2271
% App. Total	4.5	85.6	9.7	0.2		13.4	7.9	78.7	0		27.2	68.8	4	0.1		45.6	38.6	15.8	0		
PHF	.688	.934	.800	.250	.955	.788	.600	.769	.000	.803	.802	.889	.844	.250	.911	.765	.786	.750	.000	.770	.977



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 1

Groups Printed- Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound					Lakes Parkway Westbound					CSAH 52 (Radisson Rd) Northbound					119th Ave Eastbound					Int. Total	
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
04:45	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
05:45	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
Total	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4
06:00	0	4	1	0	5	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	6
06:15	0	6	1	0	7	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	9
06:30	0	6	0	0	6	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	8
06:45	0	3	0	0	3	0	0	0	0	0	2	1	0	0	3	1	1	0	0	0	2	8
Total	0	19	2	0	21	0	0	1	0	1	4	3	0	0	7	1	1	0	0	2	0	31
07:00	0	6	0	0	6	0	0	3	0	3	2	4	0	0	6	0	0	0	0	0	0	15
07:15	0	5	1	0	6	0	2	0	0	2	1	2	0	0	3	0	0	0	0	0	0	11
07:30	0	7	1	0	8	0	1	1	0	2	0	2	0	0	2	0	0	0	0	0	0	12
07:45	0	6	0	0	6	0	1	0	0	1	1	3	3	0	7	0	0	0	0	0	0	14
Total	0	24	2	0	26	0	4	4	0	8	4	11	3	0	18	0	0	0	0	0	0	52
08:00	0	9	0	0	9	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	1	13
08:15	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	8
08:30	0	8	0	0	8	1	0	0	0	1	1	7	0	0	8	1	0	0	0	0	1	18
08:45	0	7	0	0	7	1	1	1	0	3	4	4	0	0	8	0	0	0	0	0	0	18
Total	0	29	0	0	29	2	1	1	0	4	5	17	0	0	22	1	1	0	0	2	0	57
09:00	0	5	0	0	5	1	0	0	0	1	0	5	0	0	5	0	0	2	0	2	0	13



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 2

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Groups Printed- Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound					Lakes Parkway Westbound					CSAH 52 (Radisson Rd) Northbound					119th Ave Eastbound					Int. Total
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	
09:15	0	9	0	0	9	0	0	2	0	2	0	5	0	0	5	0	0	0	0	0	16
09:30	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	1	0	0	0	1	7
09:45	0	3	0	0	3	1	0	0	0	1	0	2	0	0	2	0	0	1	0	1	7
<b>Total</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>43</b>
10:00	0	2	0	0	2	0	0	1	0	1	0	3	1	0	4	1	0	0	0	1	8
10:15	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	8
10:30	0	0	0	0	0	1	0	0	0	1	0	3	0	0	3	0	0	0	0	0	4
10:45	0	2	0	0	2	0	1	1	0	2	0	1	0	0	1	0	0	0	0	0	5
<b>Total</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>25</b>
11:00	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	6
11:15	0	5	0	0	5	0	0	1	0	1	0	5	0	0	5	0	0	0	0	0	11
11:30	0	4	0	0	4	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	6
11:45	0	4	0	0	4	0	0	1	0	1	1	4	0	0	5	0	0	0	0	0	10
<b>Total</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>
12:00	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
12:15	0	4	0	0	4	1	1	0	0	2	1	1	0	0	2	1	0	0	0	1	9
12:30	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	5
12:45	1	6	0	0	7	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	12
<b>Total</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>29</b>
13:00	0	7	0	0	7	0	0	1	0	1	0	3	0	0	3	1	0	0	0	1	12
13:15	0	0	0	0	0	0	0	0	0	0	2	6	0	0	8	1	2	0	0	3	11
13:30	0	3	0	0	3	0	0	2	0	2	0	3	0	0	3	0	0	0	0	0	8
13:45	0	2	0	0	2	2	0	0	0	2	0	3	0	0	3	0	0	0	0	0	7
<b>Total</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>38</b>
14:00	0	5	0	0	5	0	0	0	0	0	0	5	0	0	5	1	0	0	0	1	11
14:15	0	9	0	0	9	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	11
14:30	0	5	0	0	5	0	0	1	0	1	1	7	0	0	8	0	0	0	0	0	14
14:45	0	10	2	0	12	2	0	1	0	3	2	5	1	0	8	0	0	0	0	0	23
<b>Total</b>	<b>0</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>31</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>22</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>59</b>
15:00	0	8	0	0	8	0	0	1	0	1	3	3	0	0	6	2	0	0	0	2	17
15:15	0	5	0	0	5	0	0	1	0	1	0	5	0	0	5	1	0	0	0	1	12
15:30	0	6	0	0	6	0	1	1	0	2	1	9	0	0	10	0	3	0	0	3	21
15:45	0	9	0	0	9	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	13
<b>Total</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>63</b>
16:00	0	11	0	0	11	0	1	5	0	6	2	3	0	0	5	1	0	0	0	1	23
16:15	0	5	0	0	5	0	0	3	0	3	1	4	0	0	5	1	0	1	0	2	15
16:30	0	5	0	0	5	2	1	2	0	5	0	8	0	0	8	0	0	0	0	0	18
16:45	0	1	0	0	1	0	0	1	0	1	2	6	0	0	8	0	0	0	0	0	10
<b>Total</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>2</b>	<b>2</b>	<b>11</b>	<b>0</b>	<b>15</b>	<b>5</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>66</b>
17:00	0	3	0	0	3	0	0	3	0	3	1	5	0	0	6	0	0	0	0	0	12
17:15	0	0	0	0	0	0	0	1	0	1	0	3	0	0	3	0	0	0	0	0	4
17:30	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
17:45	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	3
<b>Total</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
18:30	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

File Name : TMC 2256-t  
 Site Code :  
 Start Date : 09/08/2022  
 Page No : 3

Weather: Warm & Sunny  
 CountCAM 3  
 Study Conducted by: Kevin

Groups Printed- Trucks

Start Time	CSAH 52 (Radisson Rd) Southbound					Lakes Parkway Westbound					CSAH 52 (Radisson Rd) Northbound					119th Ave Eastbound					Int. Total	
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total		
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:45	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Total	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Total	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0
21:00	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
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	1	0	0	1	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	1	242	6	0	249	12	10	38	0	60	30	173	5	0	208	13	7	4	0	24	541	
Apprch %	0.4	97.2	2.4	0		20	16.7	63.3	0		14.4	83.2	2.4	0		54.2	29.2	16.7	0			
Total %	0.2	44.7	1.1	0	46	2.2	1.8	7	0	11.1	5.5	32	0.9	0	38.4	2.4	1.3	0.7	0	4.4		

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/08/2022

## Signal Warrants - Summary

---

### Major Street Approaches

Northbound: CSAH 52 (Radisson Rd)

Number of Lanes : 2+

Total Approach Volume: 8,858

Southbound: CSAH 52 (Radisson Rd)

Number of Lanes :2+

Total Approach Volume: 6,091

### Minor Street Approaches

Eastbound: 119th Ave

Number of Lanes :1

Total Approach Volume: 1,149

Westbound: Lakes Parkway

Number of Lanes :1

Total Approach Volume: 4,063

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### Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Satisfied

Warrant 1A - Minimum Vehicular Volume.....Satisfied

Required volumes reached for 15 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Satisfied

Required volumes reached for 12 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Satisfied

Required 1A volumes reached for 16 hours, 8 are needed

Required 1B volumes reached for 15 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Satisfied

Number of hours (15) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

Warrant 3A - Peak Hour Delay.....Satisfied

Number of one hour periods (56) volumes exceed minimum >= required (1). Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Satisfied

Volumes exceed minimums for at least 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:

Study Date : 09/08/2022

## 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

15 one hour periods meet minimums.  
Warrant IS 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				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 52 (Radisson Rd)</b>					<b>119th Ave</b>		
16:30 - 17:30	1359	+	493	=	1852	114	305	Yes
15:30 - 16:30	1194	+	394	=	1588	86	272	Yes
17:30 - 18:30	925	+	406	=	1331	83	299	Yes
14:30 - 15:30	785	+	340	=	1125	83	219	Yes
18:30 - 19:30	663	+	292	=	955	62	214	Yes
07:30 - 08:30	268	+	678	=	946	84	455	Yes
06:30 - 07:30	204	+	653	=	857	98	416	Yes
13:30 - 14:30	473	+	276	=	749	51	170	Yes
19:30 - 20:30	516	+	196	=	712	52	135	Yes
08:30 - 09:30	268	+	416	=	684	75	302	Yes
12:30 - 13:30	395	+	276	=	671	63	202	Yes
11:30 - 12:30	377	+	267	=	644	56	214	Yes
09:30 - 10:30	308	+	294	=	602	47	199	Yes
10:30 - 11:30	285	+	270	=	555	59	233	Yes
05:30 - 06:30	60	+	376	=	436	32	171	Yes
20:30 - 21:30	294	+	113	=	407	36	89	No
20:45 - 21:45	289	+	101	=	390	37	77	No
21:00 - 22:00	284	+	98	=	382	39	58	No
05:15 - 06:15	54	+	317	=	371	26	127	No
21:15 - 22:15	270	+	96	=	366	29	48	No
21:30 - 22:30	252	+	82	=	334	27	39	No
05:00 - 06:00	52	+	264	=	316	20	105	No
21:45 - 22:45	201	+	61	=	262	23	29	No
04:45 - 05:45	39	+	221	=	260	17	88	No
22:00 - 23:00	149		50		199	17	26	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/08/2022

## 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

12 one hour periods meet minimums.  
Warrant IS 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	
	CSAH 52 (Radisson Rd)					119th Ave		
16:30 - 17:30	1359	+	493	=	1852	114	305	Yes
15:30 - 16:30	1194	+	394	=	1588	86	272	Yes
17:30 - 18:30	925	+	406	=	1331	83	299	Yes
14:30 - 15:30	785	+	340	=	1125	83	219	Yes
07:15 - 08:15	288	+	755	=	1043	93	530	Yes
18:30 - 19:30	663	+	292	=	955	62	214	Yes
13:30 - 14:30	473	+	276	=	749	51	170	Yes
06:15 - 07:15	145	+	580	=	725	76	335	Yes
19:30 - 20:30	516	+	196	=	712	52	135	Yes
08:15 - 09:15	258	+	446	=	704	82	310	Yes
12:30 - 13:30	395	+	276	=	671	63	202	Yes
11:30 - 12:30	377	+	267	=	644	56	214	Yes
09:15 - 10:15	304	+	320	=	624	57	202	No
06:00 - 07:00	96	+	526	=	622	59	264	No
11:15 - 12:15	351	+	266	=	617	55	209	No
09:30 - 10:30	308	+	294	=	602	47	199	No
11:00 - 12:00	332	+	268	=	600	60	195	No
09:45 - 10:45	308	+	289	=	597	48	205	No
10:45 - 11:45	313	+	277	=	590	56	217	No
10:00 - 11:00	297	+	276	=	573	46	227	No
10:30 - 11:30	285	+	270	=	555	59	233	No
10:15 - 11:15	282	+	267	=	549	50	231	No
05:45 - 06:45	71	+	420	=	491	41	212	No
05:30 - 06:30	60	+	376	=	436	32	171	No
20:30 - 21:30	294		113		407	36	89	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/08/2022

## 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

16 hours meet 1A minimums.  
15 hours meet 1B minimums.  
Warrant IS 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**

#### Major Road CSAH 52 (Radisson Rd)

#### Minor Road 119th Ave

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:15 - 17:15	1373	+	470	=	1843	101	285	Yes
17:15 - 18:15	1056	+	438	=	1494	104	329	Yes
15:15 - 16:15	1100	+	379	=	1479	81	267	Yes
07:15 - 08:15	288	+	755	=	1043	93	530	Yes
14:15 - 15:15	689	+	337	=	1026	78	187	Yes
18:15 - 19:15	687	+	322	=	1009	63	236	Yes
19:15 - 20:15	549	+	231	=	780	58	146	Yes
06:15 - 07:15	145	+	580	=	725	76	335	Yes
08:15 - 09:15	258	+	446	=	704	82	310	Yes
13:15 - 14:15	442	+	252	=	694	60	189	Yes
12:15 - 13:15	390	+	279	=	669	57	207	Yes
09:15 - 10:15	304	+	320	=	624	57	202	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	1351	+	438	=	1789	93	280	Yes
17:00 - 18:00	1147	+	469	=	1616	100	359	Yes
15:00 - 16:00	1019	+	371	=	1390	88	235	Yes
18:00 - 19:00	748	+	336	=	1084	76	241	Yes
07:00 - 08:00	278	+	769	=	1047	99	558	Yes
14:00 - 15:00	595	+	321	=	916	71	176	Yes
19:00 - 20:00	598	+	257	=	855	60	167	Yes
08:00 - 09:00	263	+	474	=	737	75	323	Yes
12:00 - 13:00	390	+	278	=	668	56	218	Yes
13:00 - 14:00	406	+	252	=	658	55	196	Yes
09:00 - 10:00	281	+	347	=	628	70	236	Yes
06:00 - 07:00	96	+	526	=	622	59	264	Yes



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/08/2022

## 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.

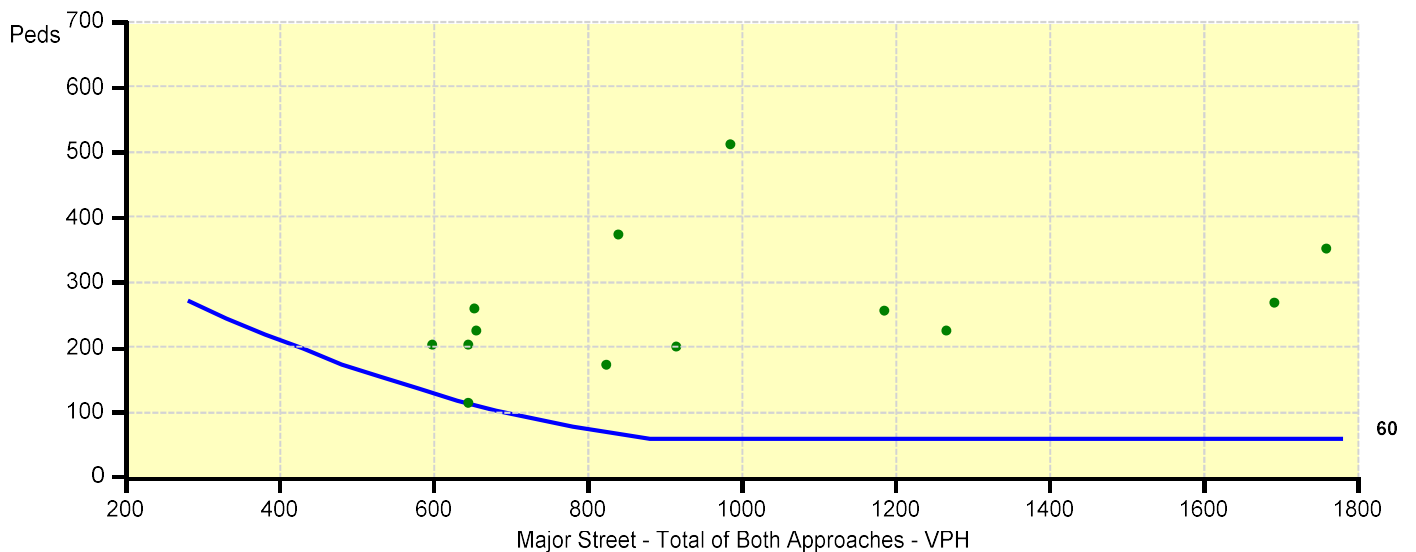
#### Summary

15 one hour periods meet minimums.  
Warrant IS met.

#### Site Data Required

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

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 52 (Radisson Rd)</b>					<b>119th Ave</b>		
16:45 - 17:45	1277	+	482	=	1759	106	352	Yes
15:45 - 16:45	1276	+	415	=	1691	87	268	Yes
14:45 - 15:45	893	+	371	=	1264	91	226	Yes
17:45 - 18:45	826	+	359	=	1185	81	256	Yes
06:45 - 07:45	247	+	737	=	984	106	513	Yes
18:45 - 19:45	623	+	290	=	913	66	201	Yes
07:45 - 08:45	266	+	573	=	839	77	372	Yes
13:45 - 14:45	538	+	286	=	824	60	172	Yes
11:45 - 12:45	381	+	273	=	654	60	226	Yes
08:45 - 09:45	270	+	381	=	651	73	259	Yes
19:45 - 20:45	475	+	169	=	644	42	115	Yes
12:45 - 13:45	387		257		644	53	202	Yes



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/08/2022

## 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

37 one hour periods meet minimums.  
Warrant IS 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 (Radisson Rd)					Minor Road 119th Ave		Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
16:30 - 17:30	1359	+	493	=	1852	114	305	Yes
16:15 - 17:15	1373	+	470	=	1843	101	285	Yes
16:00 - 17:00	1351	+	438	=	1789	93	280	Yes
16:45 - 17:45	1277	+	482	=	1759	106	352	Yes
15:45 - 16:45	1276	+	415	=	1691	87	268	Yes
17:00 - 18:00	1147	+	469	=	1616	100	359	Yes
15:30 - 16:30	1194	+	394	=	1588	86	272	Yes
17:15 - 18:15	1056	+	438	=	1494	104	329	Yes
15:15 - 16:15	1100	+	379	=	1479	81	267	Yes
15:00 - 16:00	1019	+	371	=	1390	88	235	Yes
17:30 - 18:30	925	+	406	=	1331	83	299	Yes
14:45 - 15:45	893	+	371	=	1264	91	226	Yes

