

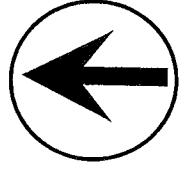
Date : 06/26/14

Count Number : TMC1412

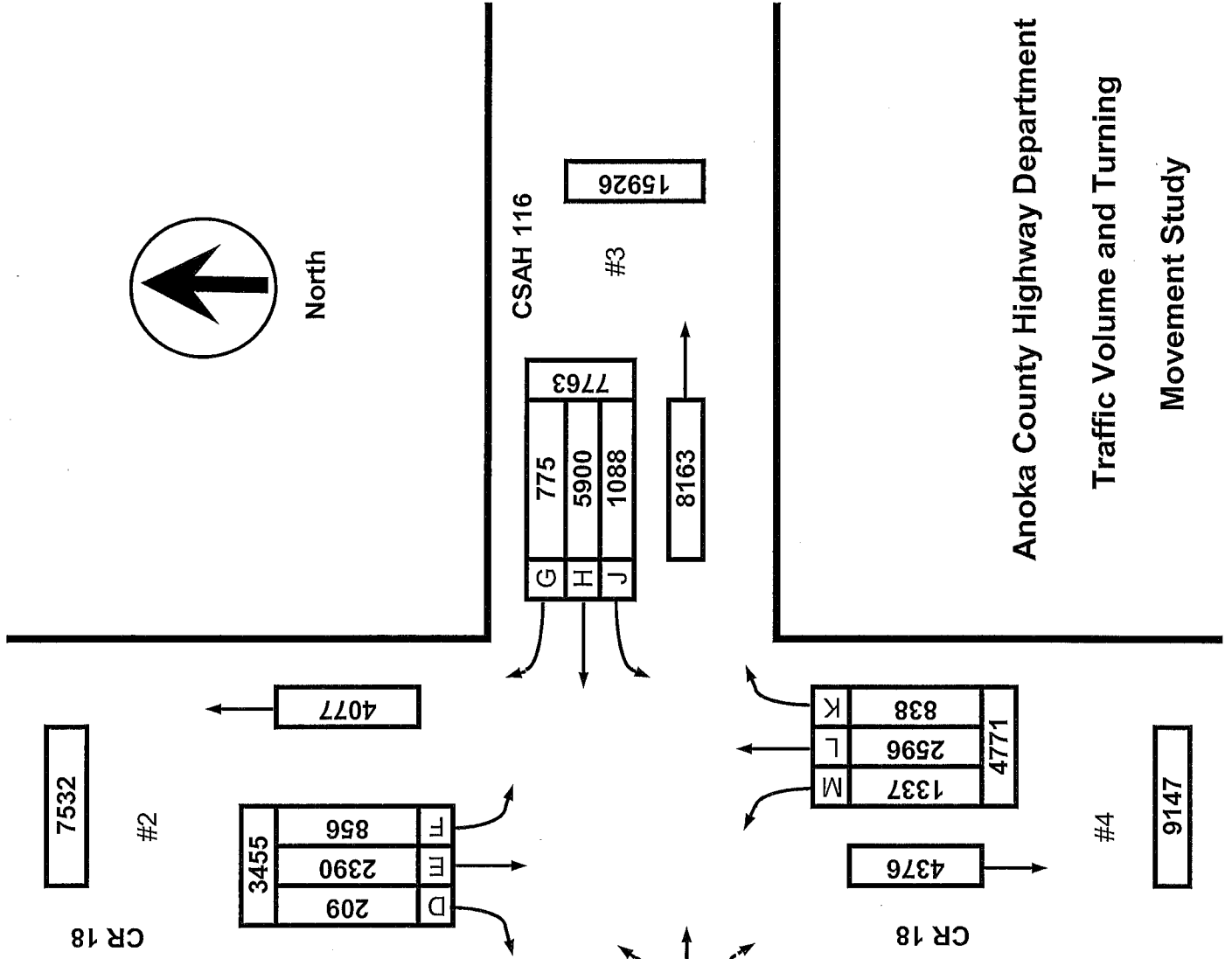
Location : CSAH 116 (Bunker Lake Blvd.)

@ CR 18 (Crosstown Blvd.)

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



North



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

Anoka County Highway Department  
 Traffic Volume and Turning  
 Movement Study

Date : 06/26/14

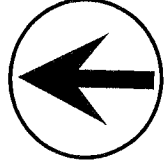
Count Number : TMC1412

Location : CSAH 116 (Bunker Lake Blvd.)

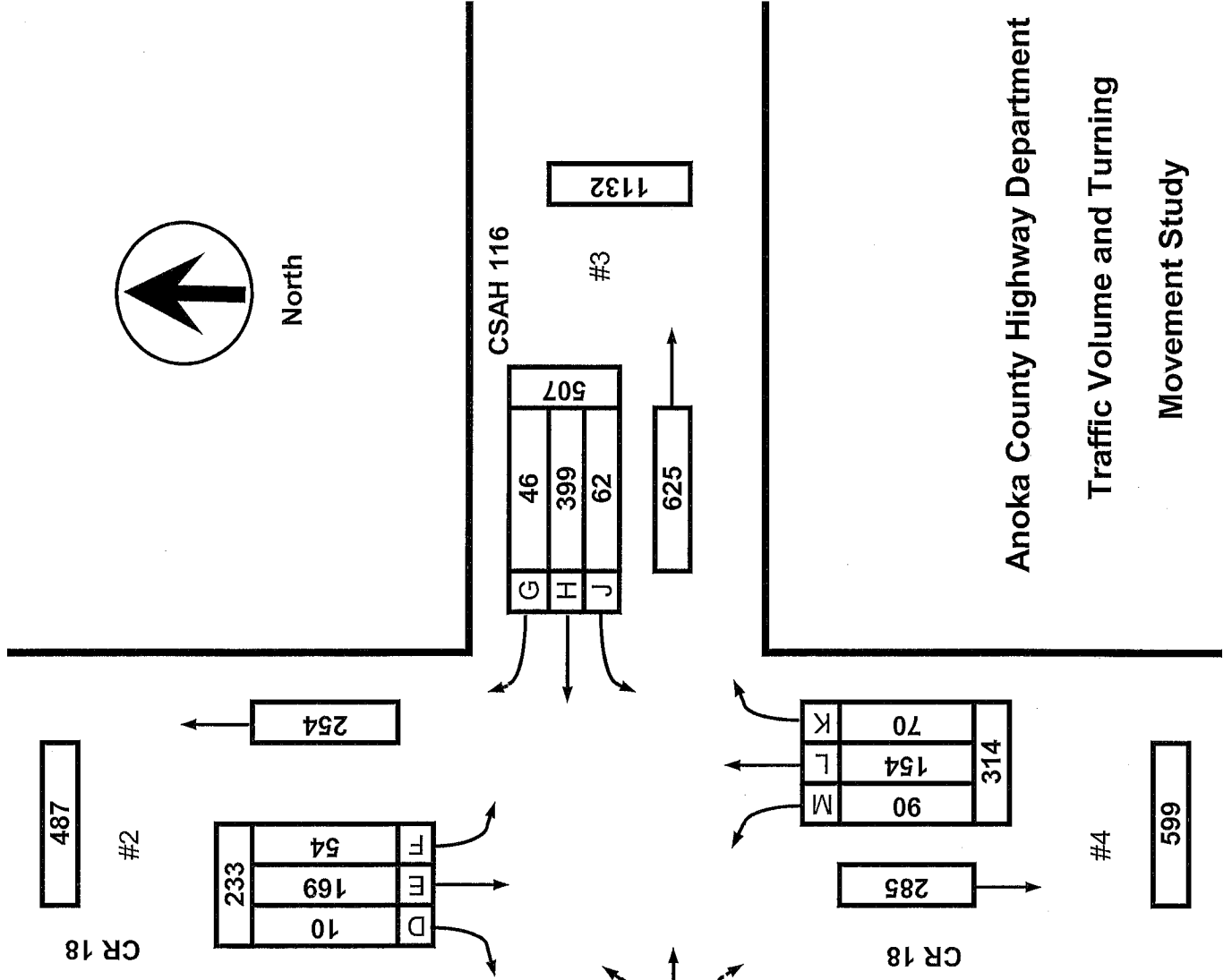
@ CR 18 (Crosstown Blvd.)

Collection Period : AM PEAK

Hour : 12:45 - 1:45 PM



North



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

Anoka County Highway Department  
 Traffic Volume and Turning  
 Movement Study

Date : 06/23/14

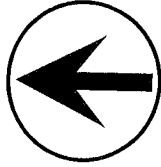
Count Number : TMC1412

Location : CSAH 116 (Bunker Lake Blvd.)

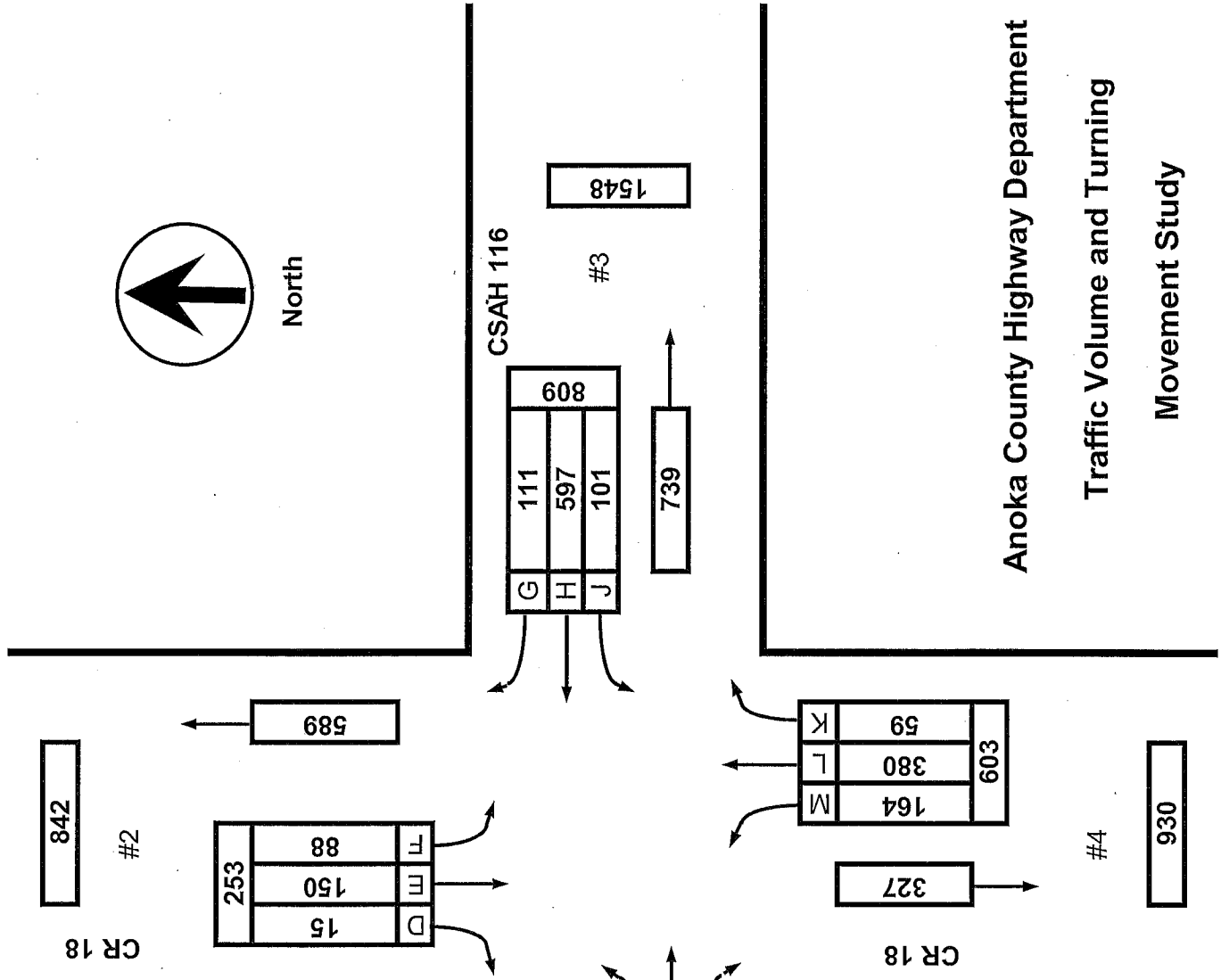
@ CR 18 (Crosstown Blvd.)

Collection Period : PM PEAK

Hour : 4:45 - 5:45 PM



North



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

Anoka County Highway Department  
 Traffic Volume and Turning  
 Movement Study



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Default Comments  
 Weather: Hot and Humid  
 Counter: DB-400  
 Study Conducted By: Jack and Ann

File Name : TMC 1412  
 Site Code : 14120202  
 Start Date : 06/23/2014  
 Page No : 1

**Groups Printed- Unshifted**

Start Time	CSAH 18 Southbound					CSAH 116 Westbound					CSAH 18 Northbound					CSAH 116 Eastbound					Exclu. Total	Inclu. Total	Inl. 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	10	84	0	0	94	10	30	1	1	41	4	9	2	0	15	4	49	7	2	60	3	210	213
06:15	13	70	1	0	84	15	28	3	4	46	13	7	3	0	23	2	61	8	2	71	6	224	230
06:30	9	94	0	1	103	12	65	5	5	82	12	11	9	2	32	8	57	11	2	76	10	293	303
06:45	16	59	3	1	78	11	58	1	2	70	13	15	4	1	32	4	97	11	3	112	7	292	299
Total	48	307	4	2	359	48	181	10	12	239	42	42	18	3	102	18	264	37	9	319	26	1019	1045
07:00	18	76	2	0	96	12	73	2	7	87	12	10	7	0	29	2	109	13	7	124	14	336	350
07:15	7	80	1	1	88	21	78	3	2	102	11	17	9	1	37	7	92	11	3	110	7	337	344
07:30	14	71	6	0	91	17	86	5	6	108	17	23	7	1	47	14	89	15	2	118	9	364	373
07:45	17	46	3	2	66	15	91	7	9	113	11	35	6	1	52	18	90	12	8	120	20	351	371
Total	56	273	12	3	341	65	328	17	24	410	51	85	29	3	165	41	380	51	20	472	50	1388	1438
08:00	16	50	3	2	69	13	72	7	9	92	21	25	11	3	57	18	77	13	7	108	21	326	347
08:15	6	48	2	2	56	12	72	11	1	95	15	32	7	2	54	5	93	14	9	112	14	317	331
08:30	9	62	6	2	77	10	65	2	6	77	18	27	8	4	53	10	77	13	9	100	21	307	328
08:45	13	51	2	1	66	23	70	4	0	97	12	20	15	3	47	14	75	18	7	107	11	317	328
Total	44	211	13	7	268	58	279	24	16	361	66	104	41	12	211	47	322	58	32	427	67	1267	1334
09:00	10	36	0	3	46	9	74	11	4	94	7	15	8	1	30	6	69	7	9	82	17	252	269
09:15	11	32	7	1	50	18	78	11	12	107	28	21	10	3	59	7	91	17	10	115	26	331	357
09:30	22	37	0	1	59	15	76	5	7	96	14	20	16	4	50	3	77	8	4	88	16	293	309
09:45	14	39	1	1	54	19	98	7	1	124	22	20	10	1	52	8	89	9	7	106	10	336	346
Total	57	144	8	6	209	61	326	34	24	421	71	76	44	9	191	24	326	41	30	391	69	1212	1281
10:00	13	28	2	1	43	18	65	8	4	91	15	27	11	1	53	8	94	11	4	113	10	300	310
10:15	21	42	3	2	66	22	65	5	2	92	19	40	9	3	68	8	105	8	7	121	14	347	361
10:30	19	50	11	3	80	20	73	7	4	100	30	31	13	1	74	10	92	9	5	111	13	365	378
10:45	14	40	5	0	59	17	100	8	23	125	19	20	18	0	57	5	115	6	2	126	25	367	392
Total	67	160	21	6	248	77	303	28	33	408	83	118	51	5	252	31	406	34	18	471	62	1379	1441
11:00	14	31	3	1	48	17	106	8	6	131	16	12	23	0	51	12	116	16	17	144	24	374	398
11:15	14	41	5	1	60	22	93	10	4	125	17	25	13	0	55	9	116	21	11	146	16	386	402
11:30	10	30	6	0	46	13	111	7	9	131	12	28	20	2	60	11	113	16	5	140	16	377	393
11:45	12	23	2	2	37	20	93	12	6	125	19	42	18	2	79	14	104	14	8	132	18	373	391
Total	50	125	16	4	191	72	403	37	25	512	64	107	74	4	245	46	449	67	41	562	74	1510	1584
12:00	18	27	4	2	49	16	87	5	8	108	27	34	18	1	79	14	113	24	6	151	17	387	404
12:15	7	23	5	1	35	12	87	15	3	114	16	37	16	1	69	8	131	17	10	156	15	374	389
12:30	15	36	3	3	54	15	73	13	3	101	21	42	16	1	79	15	112	14	8	141	15	375	390
12:45	11	25	3	0	39	14	105	14	5	133	23	29	15	1	67	10	148	16	8	174	14	413	427
Total	51	111	15	6	177	57	352	47	19	456	87	142	65	4	294	47	504	71	32	622	61	1549	1610
13:00	18	61	5	2	84	12	93	13	6	118	23	36	23	2	82	11	114	20	4	145	14	429	443
13:15	9	32	2	7	43	23	116	9	3	148	21	32	17	3	70	14	110	11	7	135	20	396	416
13:30	16	51	0	1	67	13	85	10	3	108	23	57	15	2	95	19	129	7	7	155	13	425	438
13:45	9	35	1	1	45	15	83	10	1	108	29	34	25	3	88	9	122	17	3	148	8	389	397
Total	52	179	8	11	239	63	377	42	13	482	96	159	80	10	335	53	475	55	21	583	55	1639	1694
14:00	9	30	3	0	42	21	102	9	3	132	20	36	14	1	70	4	119	18	2	141	6	385	391
14:15	14	36	1	2	51	25	108	15	8	148	22	31	18	2	71	10	102	16	5	128	17	398	415
14:30	11	20	3	1	34	22	101	12	0	135	24	32	8	4	64	7	93	12	1	112	6	345	351
14:45	16	21	5	1	42	22	119	12	2	153	15	41	20	0	76	11	109	11	0	131	3	402	405
Total	50	107	12	4	169	90	430	48	13	568	81	140	60	7	281	32	423	57	8	512	32	1530	1562
15:00	10	23	4	1	37	11	115	19	5	145	28	44	23	5	95	5	110	14	1	129	12	406	418
15:15	8	28	0	2	36	20	111	13	0	144	29	48	15	0	92	8	119	15	4	142	6	414	420
15:30	16	21	3	0	40	10	108	19	0	137	14	25	4	0	43	6	47	5	1	58	1	278	279
15:45	11	20	4	0	35	17	104	12	1	133	25	66	11	0	102	14	144	16	4	174	5	444	449
Total	45	92	11	3	148	58	438	63	6	559	96	183	53	5	332	33	420	50	10	503	24	1542	1566
16:00	8	28	4	1	40	9	121	13	2	143	26	72	19	1	117	14	136	15	2	165	6	465	471
16:15	26	41	3	0	70	16	138	29	4	183	34	77	10	0	121	16	150	13	2	179	6	553	559
16:30	24	47	4	0	75	14	150	28	0	192	42	86	11	1	139	22	117	24	5	163	6	569	575
16:45	22	37	3	0	62	32	159	27	1	218	45	99	10	1	154	24	157	24	0	205	2	639	641
Total	80	153	14	1	247	71	568	97	7	736	147	334	50	3	531	76	560	76	9	712	20	2226	2246
17:00	19	31	4	0	54	23	137	31	3	191	33	90	21	0	144	13	139	17	3	169	6	558	564
17:15	24	44	4	0	72	23	165	21	0	209	37	99	20	0	156	20	137	17	3	174	3	611	614
17:30	23	38	4	1	65	23	136	32	1	191	49	92	8	1	149	41	159	18	0	218	3	623	626



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Default Comments  
 Weather: Hot and Humid  
 Counter: DB-400  
 Study Conducted By: Jack and Ann

File Name : TMC 1412  
 Site Code : 14120202  
 Start Date : 06/23/2014  
 Page No : 2

#### Groups Printed- Unshifted

Start Time	CSAH 18 Southbound					CSAH 116 Westbound					CSAH 18 Northbound					CSAH 116 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			
17:45	27	32	9	1	68	19	148	32	2	199	26	110	21	0	157	29	125	28	2	182	5	606	611
Total	93	145	21	2	259	88	586	116	6	790	145	391	70	1	606	103	560	80	8	743	17	2398	2415
18:00	11	43	6	0	60	31	142	26	0	199	29	71	28	1	128	22	119	19	0	160	1	547	548
18:15	25	28	4	0	57	26	100	22	0	148	34	68	17	0	119	13	112	11	0	136	0	460	460
18:30	11	30	3	0	44	25	146	19	0	190	27	60	15	1	102	11	125	18	1	154	2	490	492
18:45	16	32	3	0	51	19	73	20	1	112	26	62	15	0	103	9	117	12	0	138	1	404	405
Total	63	133	16	0	212	101	461	87	1	649	116	261	75	2	452	55	473	60	1	588	4	1901	1905
19:00	9	24	3	1	36	20	98	12	2	130	27	52	10	0	89	12	91	20	0	123	3	378	381
19:15	9	28	4	0	41	16	85	16	0	117	20	50	20	0	90	11	90	9	1	110	1	358	359
19:30	10	21	5	0	36	20	75	15	1	110	21	43	12	0	76	7	102	16	0	125	1	347	348
19:45	8	29	4	0	41	16	89	7	0	112	15	42	10	0	67	5	83	12	1	100	1	320	321
Total	36	102	16	1	154	72	347	50	3	469	83	187	52	0	322	35	366	57	2	458	6	1403	1409
20:00	7	21	2	0	30	14	89	10	0	113	20	36	11	0	67	5	85	18	0	108	0	318	318
20:15	18	28	3	0	49	21	70	6	0	97	21	36	5	0	62	9	77	17	0	103	0	311	311
20:30	6	21	2	0	29	15	80	8	0	103	11	44	12	0	67	10	77	15	0	102	0	301	301
20:45	7	18	4	0	29	19	69	12	0	100	17	48	9	0	74	21	89	16	0	126	0	329	329
Total	38	88	11	0	137	69	308	36	0	413	69	164	37	0	270	45	328	66	0	439	0	1259	1259
21:00	10	14	3	0	27	6	49	11	0	66	9	29	8	0	46	5	68	9	0	82	0	221	221
21:15	7	20	3	0	30	13	57	18	0	88	13	35	13	0	61	3	69	14	0	86	0	265	265
21:30	1	19	3	0	23	9	55	5	1	69	9	18	10	0	37	7	39	8	0	54	1	183	184
21:45	8	7	2	0	17	10	52	5	0	67	9	21	8	1	38	5	37	7	1	49	2	171	173
Total	26	60	11	0	97	38	213	39	1	290	40	103	39	1	182	20	213	38	1	271	3	840	843
Grand Total	856	2390	209	56	3455	1088	5900	775	203	7763	1337	2596	838	69	4771	706	6469	898	242	8073	570	24062	24632
Apprch %	24.8	69.2	6			14	76	10			28	54.4	17.6			8.7	80.1	11.1					
Total %	3.6	9.9	0.9		14.4	4.5	24.5	3.2		32.3	5.6	10.8	3.5		19.8	2.9	26.9	3.7		33.6	2.3	97.7	

Start Time	CSAH 18 Southbound				CSAH 116 Westbound				CSAH 18 Northbound				CSAH 116 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 14:00 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:45																	
12:45	11	25	3	39	14	105	14	133	23	29	15	67	10	148	16	174	413
13:00	18	61	5	84	12	93	13	118	23	36	23	82	11	114	20	145	429
13:15	9	32	2	43	23	116	9	148	21	32	17	70	14	110	11	135	396
13:30	16	51	0	67	13	85	10	108	23	57	15	95	19	129	7	155	425
Total Volume	54	169	10	233	62	399	46	507	90	154	70	314	54	501	54	609	1663
% App. Total	23.2	72.5	4.3		12.2	78.7	9.1		28.7	49	22.3		8.9	82.3	8.9		
PHF	.750	.693	.500	.693	.674	.860	.821	.856	.978	.675	.761	.826	.711	.846	.675	.875	.969

Peak Hour Analysis From 14:15 to 21:45 - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 16:45																	
16:45	22	37	3	62	32	159	27	218	45	99	10	154	24	157	24	205	639
17:00	19	31	4	54	23	137	31	191	33	90	21	144	13	139	17	169	558
17:15	24	44	4	72	23	165	21	209	37	99	20	156	20	137	17	174	611
17:30	23	38	4	65	23	136	32	191	49	92	8	149	41	159	18	218	623
Total Volume	88	150	15	253	101	597	111	809	164	380	59	603	98	592	76	766	2431
% App. Total	34.8	59.3	5.9		12.5	73.8	13.7		27.2	63	9.8		12.8	77.3	9.9		
PHF	.917	.852	.938	.878	.789	.905	.867	.928	.837	.960	.702	.966	.598	.931	.792	.878	.951



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

Study Name : TMC 1412  
Study Date : 07/01/14  
Page No. : 1

**Signal Warrants - Summary**

**Major Street Approaches**

**Eastbound: CSAH 116**  
Number of Lanes: 2  
85% Speed > 40 MPH.  
Total Approach Volume: 8,073

**Westbound: CSAH 116**  
Number of Lanes: 2  
85% Speed > 40 MPH.  
Total Approach Volume: 7,763

**Minor Street Approaches**

**Northbound: CSAH 18**  
Number of Lanes: 2  
  
Total Approach Volume: 4,771

**Southbound: CSAH 18**  
Number of Lanes: 2  
  
Total Approach Volume: 3,455

**Warrant Summary (Rural values apply.)**

<b>Warrant 1 - Eight Hour Vehicular Volumes</b> .....	<b>Satisfied</b>
<b>Warrant 1A - Minimum Vehicular Volume</b> ..... <b>Satisfied</b>	
Required volumes reached for 16 hours, 8 are needed	
<b>Warrant 1B - Interruption of Continuous Traffic</b> ..... <b>Satisfied</b>	
Required volumes reached for 15 hours, 8 are needed	
<b>Warrant 1 A&amp;B - Combination of Warrants</b> ..... <b>Satisfied</b>	
Required volumes reached for 16 hours, 8 are needed	
<b>Warrant 2 - Four Hour Volumes</b> .....	<b>Satisfied</b>
Number of hours (15) volumes exceed minimum >= minimum required (4).	
<b>Warrant 3 - Peak Hour</b> .....	<b>Satisfied</b>
<b>Warrant 3A - Peak Hour Delay</b> ..... <b>Satisfied</b>	
Number of hours (57) volumes exceed minimum >= required (1). Delay data not evaluated.	
<b>Warrant 3B - Peak Hour Volumes</b> ..... <b>Satisfied</b>	
Volumes exceed minimums for at least one hour.	
<b>Warrant 4 - Pedestrian Volumes</b> .....	<b>Not Evaluated</b>
<b>Warrant 5 - School Crossing</b> .....	<b>Not Evaluated</b>
<b>Warrant 6 - Coordinated Signal System</b> .....	<b>Not Evaluated</b>
<b>Warrant 7 - Crash Experience</b> .....	<b>Not Evaluated</b>
<b>Warrant 8 - Roadway Network</b> .....	<b>Not Evaluated</b>
<b>Warrant 9 - Intersection Near a Grade Crossing</b> .....	<b>Not Evaluated</b>



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

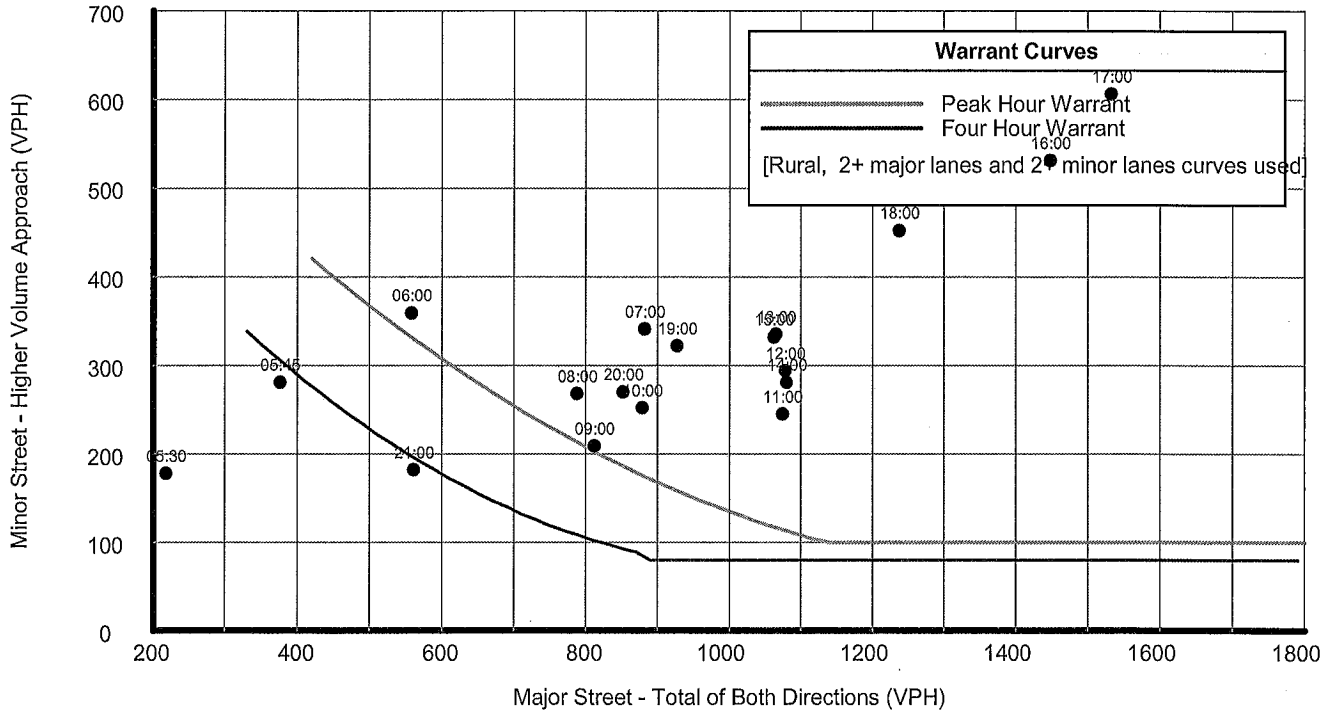
TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC 1412

Study Date : 07/01/14

Page No. : 2

### Signal Warrants - Summary



### Analysis of 8-Hour Volume Warrants:

War 1A-Minimum Volume

War 1B-Interruption of Traffic

War 1C-Combination of Warrants

Hour Begin	Major Total	Minor Vol Dir	Maj 420	Min 140	Hour Begin	Major Total	Minor Vol Dir	Maj 630	Min 70	Hour Begin	Major Total	Minor Vol Dir	Maj 504	Min 112
17:00	1,533	606 NB	Yes	Yes	17:15	1,532	590 NB	Yes	Yes	17:00	1,533	606 NB	Yes	Yes
16:00	1,448	531 NB	Yes	Yes	16:15	1,500	558 NB	Yes	Yes	16:00	1,448	531 NB	Yes	Yes
18:00	1,237	452 NB	Yes	Yes	18:15	1,131	413 NB	Yes	Yes	18:00	1,237	452 NB	Yes	Yes
14:00	1,080	281 NB	Yes	Yes	15:15	1,096	354 NB	Yes	Yes	14:00	1,080	281 NB	Yes	Yes
12:00	1,078	294 NB	Yes	Yes	12:15	1,082	297 NB	Yes	Yes	12:00	1,078	294 NB	Yes	Yes
11:00	1,074	245 NB	Yes	Yes	14:15	1,081	306 NB	Yes	Yes	11:00	1,074	245 NB	Yes	Yes
13:00	1,065	335 NB	Yes	Yes	13:15	1,075	323 NB	Yes	Yes	13:00	1,065	335 NB	Yes	Yes
15:00	1,062	332 NB	Yes	Yes	11:15	1,058	273 NB	Yes	Yes	15:00	1,062	332 NB	Yes	Yes
19:00	927	322 NB	Yes	Yes	10:15	950	253 SB	Yes	Yes	19:00	927	322 NB	Yes	Yes
07:00	882	341 SB	Yes	Yes	19:15	895	300 NB	Yes	Yes	07:00	882	341 SB	Yes	Yes
10:00	879	252 NB	Yes	Yes	07:15	871	314 SB	Yes	Yes	10:00	879	252 NB	Yes	Yes
20:00	852	270 NB	Yes	Yes	09:15	840	214 NB	Yes	Yes	20:00	852	270 NB	Yes	Yes
09:00	812	209 SB	Yes	Yes	20:15	779	249 NB	Yes	Yes	09:00	812	209 SB	Yes	Yes
08:00	788	268 SB	Yes	Yes	08:15	764	245 SB	Yes	Yes	08:00	788	268 SB	Yes	Yes
21:00	561	182 NB	Yes	Yes	06:15	668	361 SB	Yes	Yes	21:00	561	182 NB	Yes	Yes
06:00	558	359 SB	Yes	Yes	06:00	558	359 SB	No	Yes	06:00	558	359 SB	Yes	Yes
05:45	376	281 SB	No	Yes	21:15	413	136 NB	No	Yes	05:45	376	281 SB	No	Yes
05:30	218	178 SB	No	Yes	05:45	376	281 SB	No	Yes	05:30	218	178 SB	No	Yes
05:15	101	94 SB	No	No	21:30	239	75 NB	No	Yes	05:15	101	94 SB	No	No
22:45	0	0 SB	No	No	05:30	218	178 SB	No	Yes	22:45	0	0 SB	No	No
22:30	0	0 SB	No	No	21:45	116	38 NB	No	No	22:30	0	0 SB	No	No
22:15	0	0 SB	No	No	05:15	101	94 SB	No	Yes	22:15	0	0 SB	No	No
22:00	0	0 SB	No	No	22:45	0	0 SB	No	No	22:00	0	0 SB	No	No
05:00	0	0 SB	No	No	22:30	0	0 SB	No	No	05:00	0	0 SB	No	No



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

Study Name : TMC 1412  
Study Date : 07/01/14  
Page No. : 1

**Multi-Way Stop Warrant Report**

**Major Street Approaches**

**Eastbound: CSAH 116**  
Total Approach Volume: 8,073  
85% Speed > 40 MPH.

**Westbound: CSAH 116**  
Total Approach Volume: 7,763  
85% Speed > 40 MPH.

**Minor Street Approaches**

**Northbound: CSAH 18**  
Total Approach Volume: 4,771

**Southbound: CSAH 18**  
Total Approach Volume: 3,455

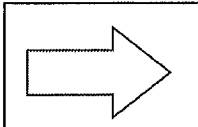
**Warrant Summary**

- 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 16 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?
05:30 - 06:30	218	216	210-Yes	140-Yes	Both	240-No	160-Yes	Minor
06:30 - 07:30	763	495	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
07:30 - 08:30	866	492	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
08:30 - 09:30	779	428	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
09:30 - 10:30	831	445	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
10:30 - 11:30	1,008	484	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
11:30 - 12:30	1,057	454	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
12:30 - 13:30	1,095	518	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
13:30 - 14:30	1,068	529	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
14:30 - 15:30	1,091	476	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
15:30 - 16:30	1,172	568	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
16:30 - 17:30	1,521	856	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
17:30 - 18:30	1,433	803	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
18:30 - 19:30	1,074	556	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
19:30 - 20:30	868	428	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
20:30 - 21:30	753	363	210-Yes	140-Yes	Both	240-Yes	160-Yes	Both
21:30 - 22:30	239	115	210-Yes	140-No	Major	240-No	160-No	No
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





**COUNT LOCATION:**

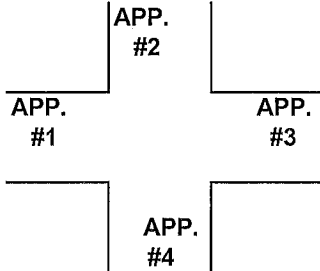
CSAH 116 (Bunker Lake Blvd.)

**DATE:**

06/26/2014

@ CR 18 (Crosstown Blvd.)

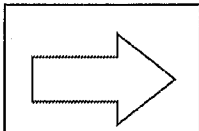
<b>NORTH</b>
APP. #1 = CR 18
APP. #2 = CSAH 116
APP. #3 = CR 18
APP. #4 = CSAH 116



- 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						3		
6:15-6:30	2			1	3	4		2
6:30-6:45		2			2	6		4
6:45-7:00						2		5
<b>HOURLY TOTAL</b>					<b>5</b>	<b>HOURLY TOTAL</b>		<b>26</b>
7:00-7:15			1		1	7		6
7:15-7:30	2	1			3	5		2
7:30-7:45		1			1	4		6
7:45-8:00		1			1	10		11
<b>HOURLY TOTAL</b>					<b>6</b>	<b>HOURLY TOTAL</b>		<b>51</b>
8:00-8:15						8		11
8:15-8:30						6		8
8:30-8:45		1			1	10		10
8:45-9:00			3	2	5	8		5
<b>HOURLY TOTAL</b>					<b>6</b>	<b>HOURLY TOTAL</b>		<b>66</b>
9:00-9:15			1	1	2	11		7
9:15-9:30	4				4	19		5
9:30-9:45			2		2	16		2
9:45-10:00		1			1	7		1
<b>HOURLY TOTAL</b>					<b>9</b>	<b>HOURLY TOTAL</b>		<b>68</b>
10:00-10:15		1	5	5	11	10		
10:15-10:30	2		1	1	4	11		3
10:30-10:45						10		3
10:45-11:00	1				1	5	1	17
<b>HOURLY TOTAL</b>					<b>16</b>	<b>HOURLY TOTAL</b>		<b>60</b>
11:00-11:15						9		13
11:15-11:30	3	1	2	2	8	11		9
11:30-11:45						10		4
11:45-12:00		2			2	13		5
<b>HOURLY TOTAL</b>					<b>10</b>	<b>HOURLY TOTAL</b>		<b>74</b>
12:00-12:15						10		7
12:15-12:30		1			1	7		7
12:30-12:45						9		6
12:45-1:00	2	3			5	8		6
<b>HOURLY TOTAL</b>					<b>6</b>	<b>HOURLY TOTAL</b>		<b>60</b>
1:00-1:15	2				2	8		5
1:15-1:30						11		8
1:30-1:45						9		5
1:45-2:00	1	1			2	7		1
<b>HOURLY TOTAL</b>					<b>4</b>	<b>HOURLY TOTAL</b>		<b>54</b>
					<b>TOTAL</b>		<b>TOTAL</b>	<b>459</b>

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**COUNT LOCATION:**

CSAH 116 (Bunker Lake Blvd.)

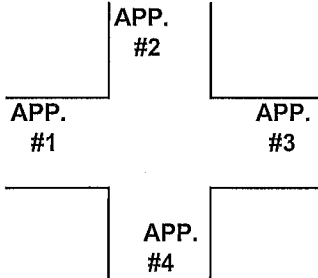
**DATE:**

06/23/2014

@ CR 18 (Crosstown Blvd.)

**NORTH**

APP. #1 = CR 18
APP. #2 = CSAH 116
APP. #3 = CR 18
APP. #4 = CSAH 116



HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT

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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						6		2
2:15-2:30	1	1			2	14		3
2:30-2:45			1		1	5		1
2:45-3:00	1				1	3		
<b>HOURLY TOTAL</b>					<b>4</b>	<b>HOURLY TOTAL</b>		<b>34</b>
3:00-3:15						9		2
3:15-3:30	3	5			8	7		1
3:30-3:45	1	3			4			1
3:45-4:00	1	1	2	4	8	2		1
<b>HOURLY TOTAL</b>					<b>20</b>	<b>HOURLY TOTAL</b>		<b>23</b>
4:00-4:15	2				2	5		1
4:15-4:30			1	1	2	7		
4:30-4:45		1	2	2	5	2		
4:45-5:00						3	1	
<b>HOURLY TOTAL</b>					<b>9</b>	<b>HOURLY TOTAL</b>		<b>19</b>
5:00-5:15		3	1		4	8		
5:15-5:30						1		1
5:30-5:45	1	6	1	1	9	4		
5:45-6:00	1				1	4	1	
<b>HOURLY TOTAL</b>					<b>14</b>	<b>HOURLY TOTAL</b>		<b>19</b>
6:00-6:15		1	3	2	6	1		
6:15-6:30			1	1	2			
6:30-6:45						1		2
6:45-7:00						1		
<b>HOURLY TOTAL</b>					<b>8</b>	<b>HOURLY TOTAL</b>		<b>5</b>
7:00-7:15	4		2	2	8	3		
7:15-7:30		1		5	6	2		
7:30-7:45	12	8			20	1		
7:45-8:00		6	4		10	1		
<b>HOURLY TOTAL</b>					<b>44</b>	<b>HOURLY TOTAL</b>		<b>7</b>
8:00-8:15		2	1		3			
8:15-8:30	6	5	1	1	13			
8:30-8:45								
8:45-9:00								
<b>HOURLY TOTAL</b>					<b>16</b>	<b>HOURLY TOTAL</b>		
9:00-9:15	4				4			
9:15-9:30	1				1			
9:30-9:45						1		
9:45-10:00						2		
<b>HOURLY TOTAL</b>					<b>5</b>	<b>HOURLY TOTAL</b>		<b>3</b>
<b>TOTAL</b>					<b>182</b>	<b>TOTAL</b>		<b>569</b>

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