

Bolton & Menk, Inc.

12224 Nicollet Avenue
Burnsville, MN 55337

File Name : Aquila Ave and W 37th St, 1-26-18, 0600-1900

Site Code :

Start Date : 1/26/2018

Page No : 1

Groups Printed- Cars + - Trucks

Start Time	Aquila Ave Southbound						W 37th St Westbound						Aquila Ave Northbound						W 37th St Eastbound						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 AM	1	15	0	0	0	16	0	0	5	0	0	5	0	10	9	0	0	19	2	0	0	0	0	2	42
06:15 AM	0	18	1	0	0	19	1	0	7	0	0	8	0	19	9	1	0	29	5	0	1	0	0	6	62
06:30 AM	3	27	2	0	0	32	0	2	6	0	0	8	0	11	12	1	0	24	8	0	0	0	1	9	73
06:45 AM	0	31	3	0	0	34	1	0	4	0	0	5	0	19	23	1	0	43	6	0	0	0	0	6	88
Total	4	91	6	0	0	101	2	2	22	0	0	26	0	59	53	3	0	115	21	0	1	0	1	23	265
07:00 AM	1	22	4	0	0	27	1	1	7	0	0	9	0	13	12	4	0	29	8	1	1	0	1	11	76
07:15 AM	2	35	6	0	0	43	1	0	8	0	0	9	0	29	24	3	0	56	12	1	1	0	0	14	122
07:30 AM	4	46	5	0	0	55	3	0	4	0	0	7	0	27	26	1	0	54	9	0	5	0	1	15	131
07:45 AM	3	49	3	0	0	55	2	0	9	0	0	11	0	35	32	5	0	72	18	3	2	0	3	26	164
Total	10	152	18	0	0	180	7	1	28	0	0	36	0	104	94	13	0	211	47	5	9	0	5	66	493
08:00 AM	3	43	6	0	0	52	0	2	7	0	0	9	0	39	33	4	0	76	14	2	3	0	2	21	158
08:15 AM	1	39	5	0	0	45	4	1	7	0	0	12	1	42	45	6	0	94	24	1	7	0	0	32	183
08:30 AM	3	34	1	0	1	39	3	1	8	0	0	12	0	22	48	3	0	73	25	5	4	0	0	34	158
08:45 AM	5	23	4	0	0	32	1	1	4	0	0	6	1	32	49	7	0	89	35	3	4	0	0	42	169
Total	12	139	16	0	1	168	8	5	26	0	0	39	2	135	175	20	0	332	98	11	18	0	2	129	668
09:00 AM	2	29	2	0	0	33	5	3	10	0	0	18	1	28	54	5	0	88	34	3	1	0	0	38	177
09:15 AM	8	30	5	0	0	43	1	4	7	0	0	12	3	33	61	7	0	104	33	7	2	0	0	42	201
09:30 AM	3	22	4	0	0	29	2	3	11	0	0	16	3	37	65	2	0	107	44	6	6	0	0	56	208
09:45 AM	7	25	4	0	0	36	3	5	13	0	0	21	3	22	61	6	0	92	41	9	5	0	0	55	204
Total	20	106	15	0	0	141	11	15	41	0	0	67	10	120	241	20	0	391	152	25	14	0	0	191	790
10:00 AM	9	22	7	0	1	39	4	3	18	0	0	25	3	21	50	10	0	84	42	2	11	0	0	55	203
10:15 AM	8	19	6	0	1	34	3	4	29	0	0	36	6	32	61	3	0	102	52	8	6	0	0	66	238
10:30 AM	2	26	5	0	0	33	3	3	26	0	0	32	4	26	65	6	0	101	52	3	3	0	0	58	224
10:45 AM	6	21	7	0	0	34	3	3	28	0	0	34	1	33	62	4	0	100	52	5	2	0	0	59	227
Total	25	88	25	0	2	140	13	13	101	0	0	127	14	112	238	23	0	387	198	18	22	0	0	238	892
11:00 AM	4	32	9	0	0	45	6	9	37	0	0	52	3	31	57	13	0	104	58	9	8	0	1	76	277
11:15 AM	4	21	9	0	2	36	5	3	31	0	0	39	8	34	91	7	1	141	71	6	8	0	0	85	301
11:30 AM	7	35	11	0	0	53	5	3	37	0	0	45	1	42	79	20	1	143	68	10	11	0	1	90	331
11:45 AM	10	48	9	0	0	67	5	7	41	0	0	53	4	45	85	10	1	145	72	6	12	0	0	90	355
Total	25	136	38	0	2	201	21	22	146	0	0	189	16	152	312	50	3	533	269	31	39	0	2	341	1264
12:00 PM	14	42	11	0	0	67	5	11	44	0	0	60	3	51	91	9	0	154	93	7	15	0	0	115	396
12:15 PM	9	27	4	0	0	40	4	11	40	0	0	55	6	39	81	21	0	147	85	6	13	0	0	104	346
12:30 PM	8	31	9	0	3	51	7	5	41	0	0	53	5	44	87	15	0	151	91	7	6	0	0	104	359
12:45 PM	4	34	10	0	0	48	5	7	51	0	0	63	8	61	83	25	0	177	87	8	12	0	0	107	395
Total	35	134	34	0	3	206	21	34	176	0	0	231	22	195	342	70	0	629	356	28	46	0	0	430	1496

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	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	
01:00 PM	3	40	8	0	0	51	6	7	40	0	0	53	8	39	74	9	0	130	66	3	8	0	0	77	311
01:15 PM	5	48	9	0	0	62	5	9	30	0	0	44	7	42	83	17	0	149	64	8	10	1	0	83	338
01:30 PM	13	23	8	0	1	45	7	7	32	0	0	46	5	48	63	15	0	131	62	5	7	0	0	74	296
01:45 PM	6	27	6	0	0	39	9	10	49	0	0	68	2	41	85	15	2	145	69	10	9	0	0	88	340
Total	27	138	31	0	1	197	27	33	151	0	0	211	22	170	305	56	2	555	261	26	34	1	0	322	1285
02:00 PM	2	35	10	0	1	48	7	6	37	0	1	51	7	36	82	10	0	135	64	5	13	0	0	82	316
02:15 PM	11	35	9	0	0	55	13	8	40	0	0	61	3	42	94	15	0	154	74	7	12	0	0	93	363
02:30 PM	3	36	9	0	1	49	10	8	37	0	0	55	4	32	68	11	0	115	91	5	9	0	2	107	326
02:45 PM	9	38	5	0	2	54	5	5	48	0	0	58	6	52	76	9	0	143	78	7	4	0	0	89	344
Total	25	144	33	0	4	206	35	27	162	0	1	225	20	162	320	45	0	547	307	24	38	0	2	371	1349
03:00 PM	10	41	6	0	1	58	3	6	45	0	0	54	4	46	76	13	0	139	76	12	5	0	0	93	344
03:15 PM	6	26	11	0	1	44	4	3	37	0	0	44	3	44	79	13	0	139	72	2	12	0	1	87	314
03:30 PM	6	41	17	0	2	66	7	4	43	0	0	54	7	43	70	5	0	125	75	6	9	0	1	91	336
03:45 PM	8	27	10	0	0	45	13	3	30	0	0	46	5	45	83	6	0	139	69	9	12	0	0	90	320
Total	30	135	44	0	4	213	27	16	155	0	0	198	19	178	308	37	0	542	292	29	38	0	2	361	1314
04:00 PM	4	39	3	0	0	46	5	6	32	0	1	44	6	29	75	10	0	120	75	4	11	0	0	90	300
04:15 PM	6	41	6	0	0	53	2	7	43	0	0	52	5	59	91	12	0	167	73	4	7	0	0	84	356
04:30 PM	6	48	13	0	0	67	9	6	37	0	0	52	6	61	72	8	0	147	99	5	9	0	0	113	379
04:45 PM	9	51	8	0	0	68	5	6	30	0	0	41	10	50	98	13	0	171	84	6	9	0	0	99	379
Total	25	179	30	0	0	234	21	25	142	0	1	189	27	199	336	43	0	605	331	19	36	0	0	386	1414
05:00 PM	7	42	11	0	0	60	7	6	44	0	0	57	6	54	79	14	1	154	87	8	12	0	1	108	379
05:15 PM	5	54	23	1	0	83	7	8	49	0	1	65	7	45	69	6	1	128	83	4	11	0	0	98	374
05:30 PM	4	35	14	0	0	53	5	4	40	0	0	49	4	67	64	7	0	142	70	13	14	0	1	98	342
05:45 PM	8	34	7	0	0	49	15	5	52	0	0	72	3	62	72	11	0	148	69	9	10	0	0	88	357
Total	24	165	55	1	0	245	34	23	185	0	1	243	20	228	284	38	2	572	309	34	47	0	2	392	1452
06:00 PM	7	33	7	0	0	47	4	4	55	0	0	63	4	63	76	15	0	158	72	4	8	0	0	84	352
06:15 PM	6	44	9	0	0	59	8	6	38	0	0	52	7	44	63	11	0	125	72	8	4	0	0	84	320
06:30 PM	4	27	15	0	0	46	7	6	50	0	0	63	4	42	55	12	0	113	68	4	3	0	0	75	297
06:45 PM	3	20	8	1	0	32	8	7	28	0	0	43	2	42	69	19	0	132	74	4	11	0	0	89	296
Total	20	124	39	1	0	184	27	23	171	0	0	221	17	191	263	57	0	528	286	20	26	0	0	332	1265
Grand Total	282	1731	384	2	17	2416	254	239	1506	0	3	2002	189	2005	3271	475	7	5947	2927	270	368	1	16	3582	13947
Apprch %	11.7	71.6	15.9	0.1	0.7		12.7	11.9	75.2	0	0.1		3.2	33.7	55	8	0.1		81.7	7.5	10.3	0	0.4		
Total %	2	12.4	2.8	0	0.1	17.3	1.8	1.7	10.8	0	0	14.4	1.4	14.4	23.5	3.4	0.1	42.6	21	1.9	2.6	0	0.1	25.7	
Cars +	263	1672	381	2	17	2335	252	237	1499	0	3	1991	188	1950	3206	475	7	5826	2883	267	366	1	15	3532	13684
% Cars +	93.3	96.6	99.2	100	100	96.6	99.2	99.2	99.5	0	100	99.5	99.5	97.3	98	100	100	98	98.5	98.9	99.5	100	93.8	98.6	98.1
Trucks	19	59	3	0	0	81	2	2	7	0	0	11	1	55	65	0	0	121	44	3	2	0	1	50	263
% Trucks	6.7	3.4	0.8	0	0	3.4	0.8	0.8	0.5	0	0	0.5	0.5	2.7	2	0	0	2	1.5	1.1	0.5	0	6.2	1.4	1.9

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Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 09:00 AM																									
09:00 AM	2	29	2	0	0	33	5	3	10	0	0	18	1	28	54	5	0	88	34	3	1	0	0	38	177
09:15 AM	8	30	5	0	0	43	1	4	7	0	0	12	3	33	61	7	0	104	33	7	2	0	0	42	201
09:30 AM	3	22	4	0	0	29	2	3	11	0	0	16	3	37	65	2	0	107	44	6	6	0	0	56	208
09:45 AM	7	25	4	0	0	36	3	5	13	0	0	21	3	22	61	6	0	92	41	9	5	0	0	55	204
Total Volume	20	106	15	0	0	141	11	15	41	0	0	67	10	120	241	20	0	391	152	25	14	0	0	191	790
% App. Total	14.2	75.2	10.6	0	0		16.4	22.4	61.2	0	0		2.6	30.7	61.6	5.1	0		79.6	13.1	7.3	0	0		
PHF	.625	.883	.750	.000	.000	.820	.550	.750	.788	.000	.000	.798	.833	.811	.927	.714	.000	.914	.864	.694	.583	.000	.000	.853	.950
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 12:00 PM																									
12:00 PM	14	42	11	0	0	67	5	11	44	0	0	60	3	51	91	9	0	154	93	7	15	0	0	115	396
12:15 PM	9	27	4	0	0	40	4	11	40	0	0	55	6	39	81	21	0	147	85	6	13	0	0	104	346
12:30 PM	8	31	9	0	3	51	7	5	41	0	0	53	5	44	87	15	0	151	91	7	6	0	0	104	359
12:45 PM	4	34	10	0	0	48	5	7	51	0	0	63	8	61	83	25	0	177	87	8	12	0	0	107	395
Total Volume	35	134	34	0	3	206	21	34	176	0	0	231	22	195	342	70	0	629	356	28	46	0	0	430	1496
% App. Total	17	65	16.5	0	1.5		9.1	14.7	76.2	0	0		3.5	31	54.4	11.1	0		82.8	6.5	10.7	0	0		
PHF	.625	.798	.773	.000	.250	.769	.750	.773	.863	.000	.000	.917	.688	.799	.940	.700	.000	.888	.957	.875	.767	.000	.000	.935	.944
Peak Hour Analysis From 02:00 PM to 06:45 PM - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 04:30 PM																									
04:30 PM	6	48	13	0	0	67	9	6	37	0	0	52	6	61	72	8	0	147	99	5	9	0	0	113	379
04:45 PM	9	51	8	0	0	68	5	6	30	0	0	41	10	50	98	13	0	171	84	6	9	0	0	99	379
05:00 PM	7	42	11	0	0	60	7	6	44	0	0	57	6	54	79	14	1	154	87	8	12	0	1	108	379
05:15 PM	5	54	23	1	0	83	7	8	49	0	1	65	7	45	69	6	1	128	83	4	11	0	0	98	374
Total Volume	27	195	55	1	0	278	28	26	160	0	1	215	29	210	318	41	2	600	353	23	41	0	1	418	1511
% App. Total	9.7	70.1	19.8	0.4	0		13	12.1	74.4	0	0.5		4.8	35	53	6.8	0.3		84.4	5.5	9.8	0	0.2		
PHF	.750	.903	.598	.250	.000	.837	.778	.813	.816	.000	.250	.827	.725	.861	.811	.732	.500	.877	.891	.719	.854	.000	.250	.925	.997