

# Ramsey County Public Works

1425 Paul Kirkwold Drive  
Arden Hills, MN 55112

*Taehyoung Kim*

File Name : White Bear Ave and TH 36 N Ramp

Site Code : 00000000

Start Date : 8/12/2014

Page No : 1

Groups Printed- Class 1

Start Time	White Bear Avenue From North					TH 36 N Ramp From East					White Bear Avenue From South					TH 36 N Ramp From West					Int. Total
	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	
06:00 AM	21	26	0	0	47	7	0	7	0	14	0	38	55	1	94	0	0	0	0	0	155
06:15 AM	32	42	0	0	74	4	0	17	0	21	0	52	76	1	129	0	0	0	0	0	224
06:30 AM	34	56	0	0	90	15	0	16	0	31	0	110	78	0	188	0	0	0	0	0	309
06:45 AM	30	67	0	2	99	32	0	21	1	54	0	103	73	1	177	0	0	0	0	0	330
Total	117	191	0	2	310	58	0	61	1	120	0	303	282	3	588	0	0	0	0	0	1018
07:00 AM	34	70	0	0	104	12	0	21	0	33	0	97	76	2	175	0	0	0	0	0	312
07:15 AM	51	95	0	0	146	24	0	31	2	57	0	96	86	2	184	0	0	0	0	0	387
07:30 AM	51	126	0	0	177	24	0	36	0	60	0	130	86	2	218	0	0	0	0	0	455
07:45 AM	42	109	0	0	151	25	0	31	0	56	0	154	67	2	223	0	0	0	0	0	430
Total	178	400	0	0	578	85	0	119	2	206	0	477	315	8	800	0	0	0	0	0	1584
08:00 AM	47	103	0	1	151	21	0	22	0	43	0	139	61	0	200	0	0	0	0	0	394
08:15 AM	40	108	0	0	148	24	1	15	0	40	0	131	78	0	209	0	0	0	0	0	397
08:30 AM	44	121	0	4	169	24	1	27	0	52	0	168	62	2	232	0	0	0	0	0	453
08:45 AM	34	119	0	0	153	35	0	33	0	68	0	189	61	2	252	0	0	0	0	0	473
Total	165	451	0	5	621	104	2	97	0	203	0	627	262	4	893	0	0	0	0	0	1717
09:00 AM	33	120	0	0	153	25	0	29	0	54	0	173	68	0	241	0	0	0	0	0	448
09:15 AM	36	99	0	2	137	42	1	21	0	64	0	162	46	1	209	0	0	0	0	0	410
*** BREAK ***																					
Total	69	219	0	2	290	67	1	50	0	118	0	335	114	1	450	0	0	0	0	0	858
*** BREAK ***																					
10:30 AM	44	151	0	0	195	41	0	19	0	60	0	223	49	1	273	0	0	0	0	0	528
10:45 AM	52	165	0	0	217	42	0	32	0	74	0	222	50	0	272	0	0	0	0	0	563
Total	96	316	0	0	412	83	0	51	0	134	0	445	99	1	545	0	0	0	0	0	1091
11:00 AM	52	176	0	0	228	34	0	24	0	58	0	218	50	0	268	0	0	0	0	0	554
11:15 AM	54	182	0	1	237	37	0	19	0	56	0	240	42	0	282	0	0	0	0	0	575
11:30 AM	55	165	0	2	222	29	0	17	0	46	0	214	51	2	267	0	0	0	0	0	535
11:45 AM	64	185	0	0	249	48	0	26	0	74	0	248	56	0	304	0	0	0	0	0	627
Total	225	708	0	3	936	148	0	86	0	234	0	920	199	2	1121	0	0	0	0	0	2291
12:00 PM	50	208	0	1	259	53	1	31	0	85	0	265	66	1	332	0	0	0	0	0	676
12:15 PM	59	237	0	1	297	42	0	17	0	59	0	241	69	3	313	0	0	0	0	0	669
12:30 PM	68	250	0	3	321	26	0	33	0	59	0	244	49	1	294	0	0	0	0	0	674
12:45 PM	63	193	0	2	258	41	0	19	0	60	0	267	50	0	317	0	0	0	0	0	635
Total	240	888	0	7	1135	162	1	100	0	263	0	1017	234	5	1256	0	0	0	0	0	2654

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Start Time	White Bear Avenue From North					TH 36 N Ramp From East					White Bear Avenue From South					TH 36 N Ramp From West					Int. Total
	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	
01:00 PM	81	203	0	3	287	35	0	20	0	55	0	245	46	1	292	0	0	0	0	0	634
01:15 PM	66	200	0	0	266	40	0	19	0	59	0	246	59	3	308	0	0	0	0	0	633
*** BREAK ***																					
Total	147	403	0	3	553	75	0	39	0	114	0	491	105	4	600	0	0	0	0	0	1267
*** BREAK ***																					
02:30 PM	59	220	0	0	279	44	0	29	0	73	0	244	56	1	301	0	0	0	0	0	653
02:45 PM	71	198	0	1	270	41	1	23	0	65	0	271	60	0	331	0	0	0	0	0	666
Total	130	418	0	1	549	85	1	52	0	138	0	515	116	1	632	0	0	0	0	0	1319
03:00 PM	78	236	0	3	317	35	0	25	0	60	0	231	67	0	298	0	0	0	0	0	675
03:15 PM	61	229	0	2	292	41	0	28	0	69	0	271	51	0	322	0	0	0	0	0	683
03:30 PM	64	239	0	2	305	27	0	39	0	66	0	290	70	1	361	0	0	0	1	1	733
03:45 PM	52	239	0	0	291	43	0	41	0	84	0	296	57	2	355	0	0	0	0	0	730
Total	255	943	0	7	1205	146	0	133	0	279	0	1088	245	3	1336	0	0	0	1	1	2821
04:00 PM	64	223	0	3	290	46	0	21	0	67	0	267	56	2	325	0	0	0	0	0	682
04:15 PM	56	231	0	1	288	32	1	28	0	61	0	303	69	1	373	0	0	0	0	0	722
04:30 PM	60	233	0	1	294	41	0	36	0	77	0	317	73	1	391	0	0	0	0	0	762
04:45 PM	63	258	0	0	321	44	0	29	0	73	0	295	63	0	358	0	0	0	0	0	752
Total	243	945	0	5	1193	163	1	114	0	278	0	1182	261	4	1447	0	0	0	0	0	2918
05:00 PM	57	247	0	1	305	33	0	28	0	61	0	286	55	0	341	0	0	0	0	0	707
05:15 PM	64	216	0	0	280	24	0	32	0	56	0	311	59	2	372	0	0	0	0	0	708
05:30 PM	55	238	0	0	293	25	0	22	0	47	0	285	60	1	346	0	0	0	0	0	686
05:45 PM	47	225	0	0	272	36	1	23	0	60	0	307	43	0	350	0	0	0	0	0	682
Total	223	926	0	1	1150	118	1	105	0	224	0	1189	217	3	1409	0	0	0	0	0	2783
Grand Total	2088	6808	0	36	8932	1294	7	1007	3	2311	0	8589	2449	39	11077	0	0	0	1	1	22321
Apprch %	23.4	76.2	0	0.4		56	0.3	43.6	0.1		0	77.5	22.1	0.4		0	0	0	100		
Total %	9.4	30.5	0	0.2	40	5.8	0	4.5	0	10.4	0	38.5	11	0.2	49.6	0	0	0	0	0	

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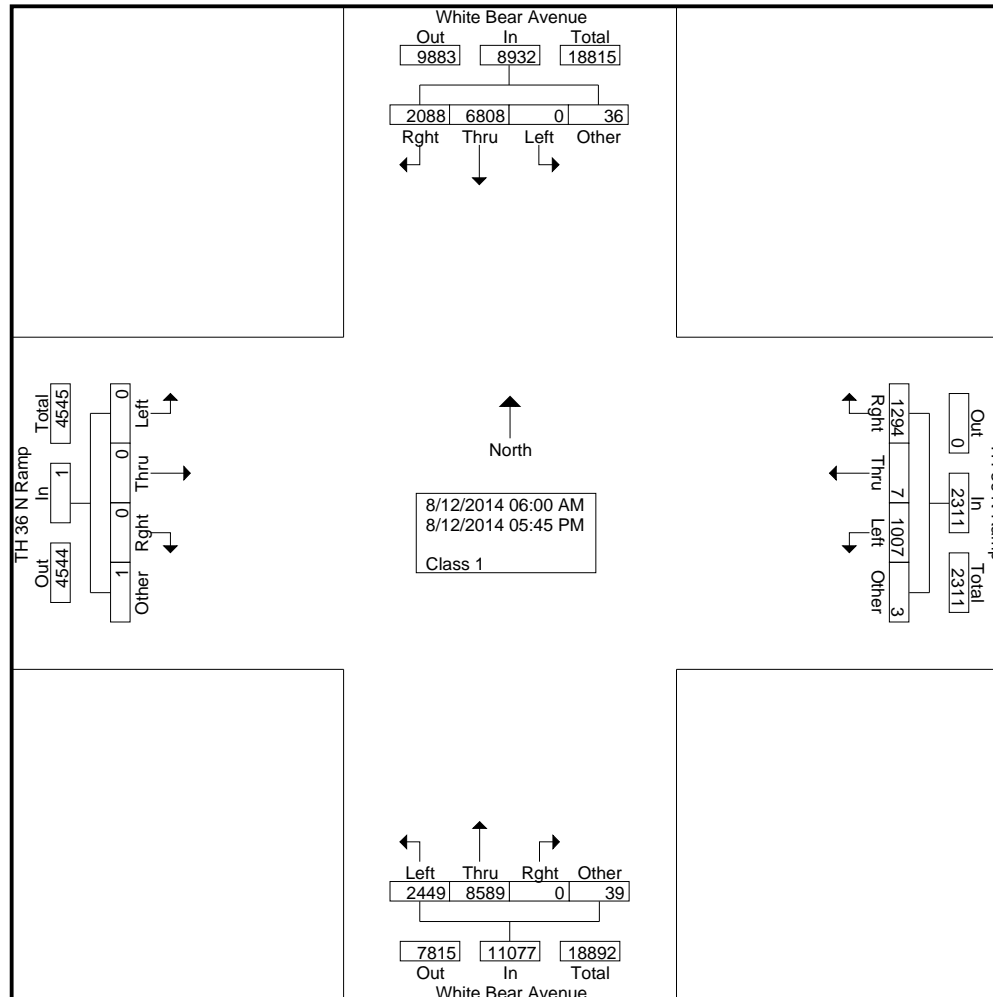
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	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	Rght	Thru	Left	Other	App. Total	
Peak Hour Analysis From 06:00 AM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:15 PM																					
04:15 PM	56	231	0	1	288	32	1	28	0	61	0	303	69	1	373	0	0	0	0	0	722
04:30 PM	60	233	0	1	294	41	0	36	0	77	0	317	73	1	391	0	0	0	0	0	762
04:45 PM	63	258	0	0	321	44	0	29	0	73	0	295	63	0	358	0	0	0	0	0	752
05:00 PM	57	247	0	1	305	33	0	28	0	61	0	286	55	0	341	0	0	0	0	0	707
Total Volume	236	969	0	3	1208	150	1	121	0	272	0	1201	260	2	1463	0	0	0	0	0	2943
% App. Total	19.5	80.2	0	0.2		55.1	0.4	44.5	0		0	82.1	17.8	0.1		0	0	0	0		
PHF	.937	.939	.000	.750	.941	.852	.250	.840	.000	.883	.000	.947	.890	.500	.935	.000	.000	.000	.000	.000	.966

Peak Hour Analysis From 06:00 AM to 05:45 PM - Peak 1 of 1  
Peak Hour for Each Approach Begins at:

	04:15 PM					03:45 PM					04:15 PM					02:45 PM					
+0 mins.	56	231	0	1	288	43	0	41	0	84	0	303	69	1	373	0	0	0	0	0	0
+15 mins.	60	233	0	1	294	46	0	21	0	67	0	317	73	1	391	0	0	0	0	0	0
+30 mins.	63	258	0	0	321	32	1	28	0	61	0	295	63	0	358	0	0	0	0	0	0
+45 mins.	57	247	0	1	305	41	0	36	0	77	0	286	55	0	341	0	0	0	1	1	1
Total Volume	236	969	0	3	1208	162	1	126	0	289	0	1201	260	2	1463	0	0	0	1	1	1
% App. Total	19.5	80.2	0	0.2		56.1	0.3	43.6	0		0	82.1	17.8	0.1		0	0	0	100		
PHF	.937	.939	.000	.750	.941	.880	.250	.768	.000	.860	.000	.947	.890	.500	.935	.000	.000	.000	.250	.250	.250