

ALLIANT ENGINEERING INC.

733 S Marquette Ave #700, Minneapolis, MN 55402

TH 61 & Hoffman Rd/White Bear Ave
 Ref Pt: 146+00.268
 data by: Alliant Inc
 TURN MOVEMENT COUNT

File Name : 514_TH 61 and Hoffman Road-White Bear Avenue
 Site Code : 1735492
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					White Bear Ave Westbound					TH 61 Northbound					Hoffman Rd Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
06:00 AM	0	143	9	0	152	19	0	1	0	20	2	43	0	0	45	1	0	0	0	1	218
06:15 AM	3	190	26	0	219	14	0	6	0	20	0	42	0	0	42	2	0	1	0	3	284
06:30 AM	1	300	31	0	332	38	0	3	0	41	1	80	0	0	81	0	0	0	0	0	454
06:45 AM	3	305	42	0	350	44	0	9	0	53	4	72	0	0	76	0	0	1	0	1	480
Total	7	938	108	0	1053	115	0	19	0	134	7	237	0	0	244	3	0	2	0	5	1436
07:00 AM	1	216	67	0	284	44	0	17	0	61	2	88	0	0	90	0	0	2	0	2	437
07:15 AM	0	280	87	0	367	81	0	7	0	88	1	118	0	0	119	0	0	1	0	1	575
07:30 AM	1	312	119	0	432	47	2	11	0	60	3	80	0	0	83	0	0	0	0	0	575
07:45 AM	1	272	65	0	338	74	1	2	0	77	2	100	0	0	102	0	0	1	0	1	518
Total	3	1080	338	0	1421	246	3	37	0	286	8	386	0	0	394	0	0	4	0	4	2105
08:00 AM	6	268	41	0	315	56	0	6	0	62	4	120	0	0	124	0	0	0	0	0	501
08:15 AM	0	202	70	0	272	51	1	5	0	57	5	98	0	0	103	0	0	0	0	0	432
08:30 AM	1	192	51	0	244	67	1	20	0	88	2	102	0	0	104	0	0	0	0	0	436
08:45 AM	4	214	64	0	282	63	1	3	0	67	3	130	0	0	133	0	0	0	0	0	482
Total	11	876	226	0	1113	237	3	34	0	274	14	450	0	0	464	0	0	0	0	0	1851
09:00 AM	1	206	56	0	263	75	3	9	0	87	2	116	1	0	119	0	0	0	0	0	469
09:15 AM	2	194	70	0	266	64	3	9	0	76	2	113	0	0	115	0	0	0	0	0	457
*** BREAK ***																					
Total	3	400	126	0	529	139	6	18	0	163	4	229	1	0	234	0	0	0	0	0	926
*** BREAK ***																					
10:30 AM	2	141	43	0	186	43	1	9	0	53	1	138	1	0	140	1	0	2	0	3	382
10:45 AM	0	142	49	0	191	60	2	7	0	69	5	148	1	0	154	0	0	0	0	0	414
Total	2	283	92	0	377	103	3	16	0	122	6	286	2	0	294	1	0	2	0	3	796
11:00 AM	6	156	39	0	201	64	1	5	0	70	9	152	0	0	161	0	0	2	0	2	434
11:15 AM	3	146	47	0	196	68	4	7	0	79	3	159	2	0	164	0	0	0	0	0	439
11:30 AM	4	140	49	0	193	58	0	14	0	72	3	169	1	0	173	0	0	0	0	0	438
11:45 AM	4	155	64	0	223	55	3	12	1	71	10	166	1	0	177	0	2	2	0	4	475
Total	17	597	199	0	813	245	8	38	1	292	25	646	4	0	675	0	2	4	0	6	1786
12:00 PM	0	159	59	0	218	66	4	19	0	89	9	174	0	0	183	0	2	3	0	5	495
12:15 PM	1	146	66	0	213	74	1	17	0	92	3	154	0	0	157	2	0	4	0	6	468
12:30 PM	3	138	47	0	188	65	5	9	0	79	7	157	0	0	164	0	0	4	0	4	435
12:45 PM	2	174	49	0	225	69	6	9	0	84	9	187	0	0	196	0	0	1	0	1	506
Total	6	617	221	0	844	274	16	54	0	344	28	672	0	0	700	2	2	12	0	16	1904
01:00 PM	4	151	67	0	222	71	1	14	0	86	7	148	1	0	156	0	0	2	0	2	466
01:15 PM	1	140	44	0	185	64	4	21	0	89	5	158	0	0	163	0	2	12	0	14	451
*** BREAK ***																					
Total	5	291	111	0	407	135	5	35	0	175	12	306	1	0	319	0	2	14	0	16	917
*** BREAK ***																					
02:30 PM	2	156	68	0	226	77	2	9	0	88	5	172	0	0	177	0	1	0	0	1	492
02:45 PM	0	144	80	0	224	143	1	2	0	146	0	246	0	0	246	0	0	0	0	0	616
Total	2	300	148	0	450	220	3	11	0	234	5	418	0	0	423	0	1	0	0	1	1108
03:00 PM	1	169	67	0	237	102	0	4	0	106	0	222	0	0	222	0	0	5	0	5	570
03:15 PM	0	187	73	0	260	102	2	1	0	105	5	239	1	0	245	0	0	3	0	3	613
03:30 PM	0	151	74	0	225	121	0	1	0	122	0	303	0	0	303	0	0	0	0	0	650

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Groups Printed- Cars - Trucks

Start Time	TH 61 Southbound					White Bear Ave Westbound					TH 61 Northbound					Hoffman Rd Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
03:45 PM	0	124	101	0	225	109	0	4	0	113	1	312	0	0	313	0	0	1	0	1	652
Total	1	631	315	0	947	434	2	10	0	446	6	1076	1	0	1083	0	0	9	0	9	2485
04:00 PM	0	98	89	0	187	105	0	7	0	112	2	309	0	0	311	0	0	0	0	0	610
04:15 PM	1	121	87	0	209	76	0	9	0	85	3	321	1	0	325	0	0	2	0	2	621
04:30 PM	0	136	93	0	229	91	0	8	0	99	0	330	0	0	330	0	0	3	0	3	661
04:45 PM	0	139	78	0	217	88	1	8	0	97	3	299	0	0	302	0	2	6	0	8	624
Total	1	494	347	0	842	360	1	32	0	393	8	1259	1	0	1268	0	2	11	0	13	2516
05:00 PM	0	108	92	0	200	107	0	3	0	110	3	317	0	0	320	0	0	0	0	0	630
05:15 PM	1	135	85	0	221	112	3	2	0	117	3	327	0	0	330	0	1	3	0	4	672
05:30 PM	0	125	76	0	201	97	3	8	0	108	3	287	1	0	291	0	1	1	0	2	602
05:45 PM	1	144	73	0	218	42	0	17	0	59	8	232	1	0	241	0	7	2	0	9	527
Total	2	512	326	0	840	358	6	30	0	394	17	1163	2	0	1182	0	9	6	0	15	2431
Grand Total	60	7019	2557	0	9636	2866	56	334	1	3257	140	7128	12	0	7280	6	18	64	0	88	20261
Apprch %	0.6	72.8	26.5	0		88	1.7	10.3	0		1.9	97.9	0.2	0		6.8	20.5	72.7	0		
Total %	0.3	34.6	12.6	0	47.6	14.1	0.3	1.6	0	16.1	0.7	35.2	0.1	0	35.9	0	0.1	0.3	0	0.4	
Cars	55	6807	2480	0	9342	2808	55	325	0	3188	139	6904	10	0	7053	6	17	60	0	83	19666
% Cars	91.7	97	97	0	96.9	98	98.2	97.3	0	97.9	99.3	96.9	83.3	0	96.9	100	94.4	93.8	0	94.3	97.1
Trucks	5	212	77	0	294	58	1	9	1	69	1	224	2	0	227	0	1	4	0	5	595
% Trucks	8.3	3	3	0	3.1	2	1.8	2.7	100	2.1	0.7	3.1	16.7	0	3.1	0	5.6	6.2	0	5.7	2.9

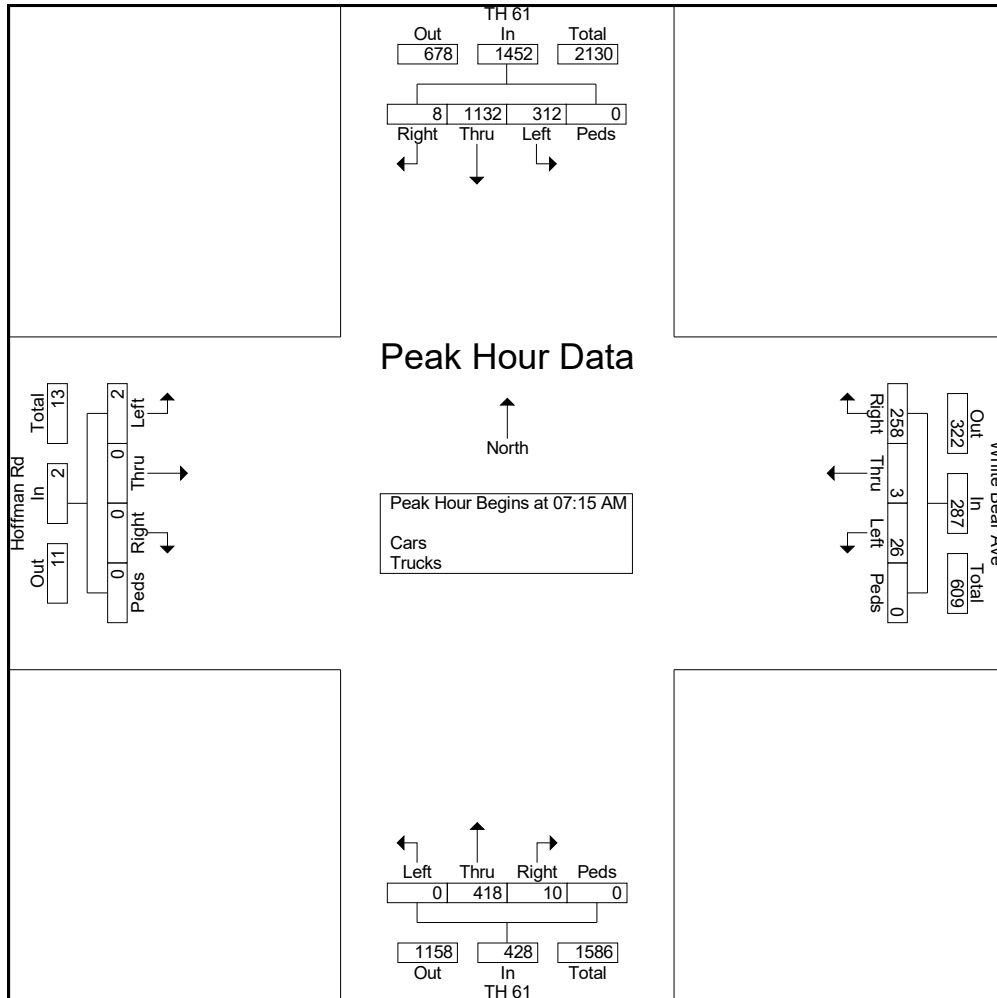
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	280	87	0	367	81	0	7	0	88	1	118	0	0	119	0	0	1	0	1	575
07:30 AM	1	312	119	0	432	47	2	11	0	60	3	80	0	0	83	0	0	0	0	0	575
07:45 AM	1	272	65	0	338	74	1	2	0	77	2	100	0	0	102	0	0	1	0	1	518
08:00 AM	6	268	41	0	315	56	0	6	0	62	4	120	0	0	124	0	0	0	0	0	501
Total Volume	8	1132	312	0	1452	258	3	26	0	287	10	418	0	0	428	0	0	2	0	2	2169
% App. Total	0.6	78	21.5	0		89.9	1	9.1	0		2.3	97.7	0	0		0	0	100	0		
PHF	.333	.907	.655	.000	.840	.796	.375	.591	.000	.815	.625	.871	.000	.000	.863	.000	.000	.500	.000	.500	.943



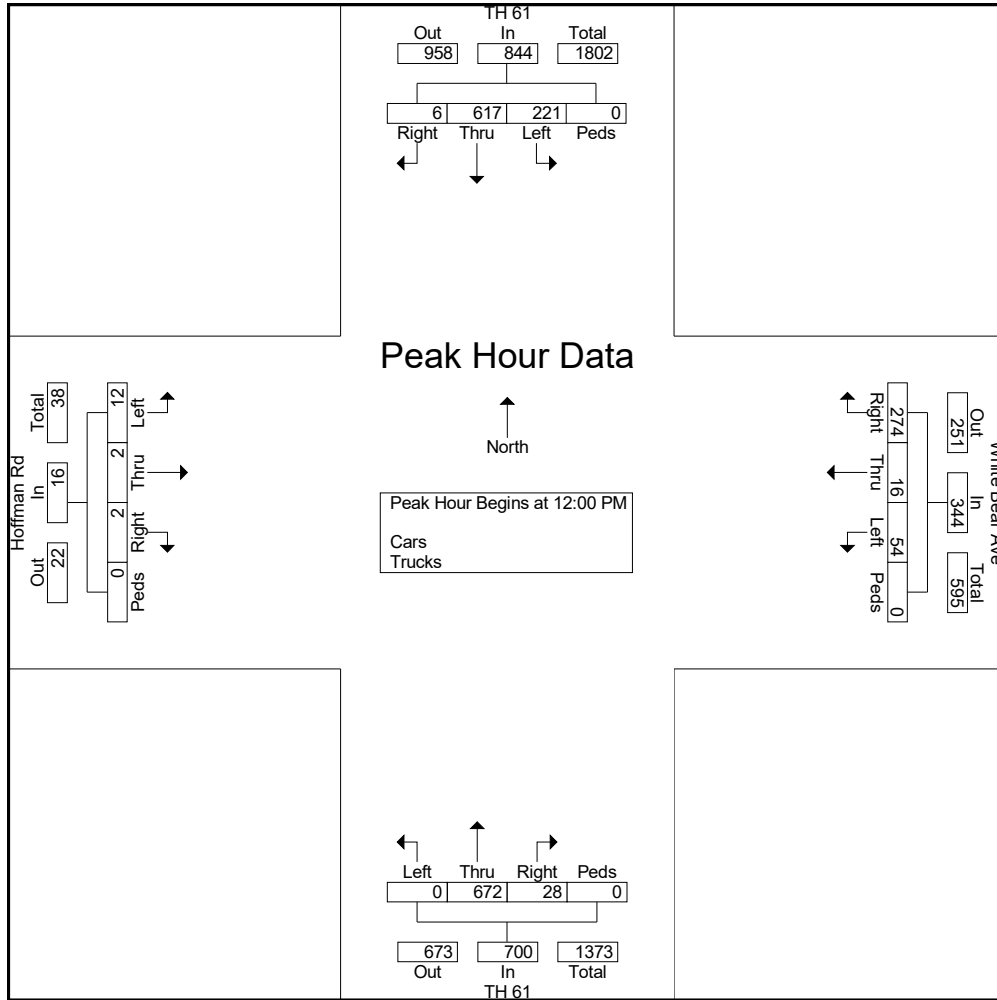
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Start Time	TH 61 Southbound					White Bear Ave Westbound					TH 61 Northbound					Hoffman Rd Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
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	0	159	59	0	218	66	4	19	0	89	9	174	0	0	183	0	2	3	0	5	495
12:15 PM	1	146	66	0	213	74	1	17	0	92	3	154	0	0	157	2	0	4	0	6	468
12:30 PM	3	138	47	0	188	65	5	9	0	79	7	157	0	0	164	0	0	4	0	4	435
12:45 PM	2	174	49	0	225	69	6	9	0	84	9	187	0	0	196	0	0	1	0	1	506
Total Volume	6	617	221	0	844	274	16	54	0	344	28	672	0	0	700	2	2	12	0	16	1904
% App. Total	0.7	73.1	26.2	0		79.7	4.7	15.7	0		4	96	0	0		12.5	12.5	75	0		
PHF	.500	.886	.837	.000	.938	.926	.667	.711	.000	.935	.778	.898	.000	.000	.893	.250	.250	.750	.000	.667	.941



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File Name : 514_TH 61 and Hoffman Road-White Bear Avenue
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 Page No : 5

Start Time	TH 61 Southbound					White Bear Ave Westbound					TH 61 Northbound					Hoffman Rd Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	136	93	0	229	91	0	8	0	99	0	330	0	0	330	0	0	3	0	3	661
04:45 PM	0	139	78	0	217	88	1	8	0	97	3	299	0	0	302	0	2	6	0	8	624
05:00 PM	0	108	92	0	200	107	0	3	0	110	3	317	0	0	320	0	0	0	0	0	630
05:15 PM	1	135	85	0	221	112	3	2	0	117	3	327	0	0	330	0	1	3	0	4	672
Total Volume	1	518	348	0	867	398	4	21	0	423	9	1273	0	0	1282	0	3	12	0	15	2587
% App. Total	0.1	59.7	40.1	0		94.1	0.9	5	0		0.7	99.3	0	0		0	20	80	0		
PHF	.250	.932	.935	.000	.947	.888	.333	.656	.000	.904	.750	.964	.000	.000	.971	.000	.375	.500	.000	.469	.962

