

Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at Bunker Lake Blvd NE / CSAH-116
Ref.Pt.: 016.928
data by Alliant Inc
TURN MOVEMENT COUNT

File Name : 18 - TH 65 & Bunker Lake Blvd, 10-25-11
Site Code : 18
Start Date : 10/25/2011
Page No : 1

Groups Printed- Cars + - Trucks

Start Time	TH-65 / Central Ave NE Southbound					Bunker Lake Blvd / CSAH-116 Westbound					TH-65 / Central Ave NE Northbound					Bunker Lake Blvd / CSAH-116 Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
06:00	0	2	498	12	0	0	20	20	0	0	2	25	54	2	0	0	6	4	32	0	677
06:15	0	7	643	14	0	0	16	17	4	0	2	18	77	2	0	0	15	21	44	0	880
06:30	0	5	562	21	0	0	12	32	5	0	3	45	132	5	0	0	3	23	49	0	897
06:45	0	1	511	30	0	0	23	60	7	0	1	32	126	4	0	0	20	19	49	0	883
Total	0	15	2214	77	0	0	71	129	16	0	8	120	389	13	0	0	44	67	174	0	3337
07:00	0	6	504	43	0	0	27	73	7	0	2	52	107	1	0	0	16	31	51	0	920
07:15	0	7	459	39	0	0	30	84	8	0	1	62	136	0	0	0	27	30	80	0	963
07:30	0	11	521	32	0	0	20	37	6	0	3	46	141	7	0	0	22	48	65	0	959
07:45	0	6	459	45	0	0	25	33	9	0	1	62	111	3	0	0	18	53	82	0	907
Total	0	30	1943	159	0	0	102	227	30	0	7	222	495	11	0	0	83	162	278	0	3749
08:00	0	3	379	18	0	0	28	27	7	0	3	44	93	6	0	0	19	37	60	0	724
08:15	0	5	362	11	0	0	12	29	3	0	2	42	110	6	0	0	28	36	53	0	699
08:30	0	4	316	17	0	0	23	15	6	0	0	37	109	2	0	0	26	24	59	0	638
08:45	0	10	293	13	0	0	15	28	7	0	5	38	93	6	0	0	13	41	53	0	615
Total	0	22	1350	59	0	0	78	99	23	0	10	161	405	20	0	0	86	138	225	0	2676
09:00	6	9	237	16	0	0	10	20	7	0	3	45	118	1	0	0	19	20	37	0	548
09:15	0	1	285	16	0	0	13	21	9	0	3	35	148	4	0	0	17	23	63	0	638
Total	6	10	522	32	0	0	23	41	16	0	6	80	266	5	0	0	36	43	100	0	1186
10:30	0	2	191	14	0	0	9	15	3	0	2	20	91	5	0	0	16	22	35	0	425
10:45	0	8	198	18	0	0	11	14	3	0	4	56	139	5	0	0	17	21	39	0	533
Total	0	10	389	32	0	0	20	29	6	0	6	76	230	10	0	0	33	43	74	0	958
11:00	0	7	173	10	0	0	20	23	6	0	2	35	130	13	0	0	24	16	45	0	504
11:15	1	4	190	13	0	0	21	13	4	0	2	43	183	9	0	0	23	21	47	0	574
11:30	0	5	204	26	0	0	17	23	11	0	2	48	153	8	0	0	21	16	73	0	607
11:45	0	1	196	20	0	0	13	20	6	0	1	47	153	7	0	0	23	18	49	0	554
Total	1	17	763	69	0	0	71	79	27	0	7	173	619	37	0	0	91	71	214	0	2239
12:00	0	9	181	8	0	0	23	22	4	0	4	60	139	8	0	0	18	24	52	0	552
12:15	0	1	183	11	0	0	21	23	10	0	4	39	202	11	0	0	21	27	37	0	590
12:30	1	1	188	24	0	0	15	20	4	0	3	49	178	6	1	0	21	16	45	0	572
12:45	0	4	194	21	0	0	16	20	4	0	0	50	184	10	0	0	22	28	46	0	599
Total	1	15	746	64	0	0	75	85	22	0	11	198	703	35	1	0	82	95	180	0	2313
13:00	0	2	193	29	0	0	11	10	7	0	0	36	110	4	0	1	33	23	41	0	500
13:15	1	9	195	13	0	0	0	0	0	0	0	0	0	0	0	0	22	30	44	0	314
Total	1	11	388	42	0	0	11	10	7	0	0	36	110	4	0	1	55	53	85	0	814
14:30	0	7	180	24	0	0	13	23	4	0	0	54	337	14	0	0	67	69	55	0	847
14:45	0	9	187	21	0	0	15	20	9	0	2	51	367	3	0	0	39	55	42	0	820
Total	0	16	367	45	0	0	28	43	13	0	2	105	704	17	0	0	106	124	97	0	1667
15:00	0	9	171	19	0	0	16	18	6	0	4	57	381	7	0	0	38	23	43	0	792
15:15	0	5	188	24	0	0	10	33	10	0	11	52	374	12	0	0	37	44	41	0	841
15:30	0	5	198	24	0	0	14	31	10	0	4	56	432	10	0	0	34	38	61	0	917
15:45	0	9	196	20	0	0	20	43	19	0	2	59	481	4	0	0	32	37	46	1	969
Total	0	28	753	87	0	0	60	125	45	0	21	224	1668	33	0	0	141	142	191	1	3519
16:00	2	8	173	19	0	0	14	46	19	0	1	56	495	7	0	0	53	55	64	0	1012
16:15	0	8	194	29	0	0	14	45	35	0	4	69	475	7	0	0	40	48	53	0	1021
16:30	0	5	241	22	0	0	20	49	19	0	4	72	495	2	0	0	56	61	81	0	1127
16:45	0	5	197	33	0	0	17	68	31	0	3	72	516	0	0	0	51	45	63	0	1101
Total	2	26	805	103	0	0	65	208	104	0	12	269	1981	16	0	0	200	209	261	0	4261
17:00	3	9	243	26	0	0	32	55	40	0	1	63	529	2	0	0	66	56	76	0	1201
17:15	0	18	259	29	0	1	17	50	15	0	1	67	491	9	0	0	57	57	57	0	1128
17:30	1	9	212	34	0	0	24	46	14	0	4	69	480	14	0	0	52	35	58	0	1052
17:45	0	9	216	21	0	0	20	41	12	0	1	52	383	17	0	0	42	36	57	0	907
Total	4	45	930	110	0	1	93	192	81	0	7	251	1883	42	0	0	217	184	248	0	4288
Grand Total	15	245	11170	879	0	1	697	1267	390	0	97	1915	9453	243	1	1	1174	1331	2127	1	31007
Apprch %	0.1	2	90.7	7.1	0	0	29.6	53.8	16.6	0	0.8	16.4	80.7	2.1	0	0	25.3	28.7	45.9	0	1128
Total %	0	0.8	36	2.8	0	0	2.2	4.1	1.3	0	0.3	6.2	30.5	0.8	0	0	3.8	4.3	6.9	0	907
Cars +	14	239	10713	828	0	1	656	1196	358	0	93	1826	9001	230	0	1	1107	1256	2043	0	29562
% Cars +	93.3	97.6	95.9	94.2	0	100	94.1	94.4	91.8	0	95.9	95.4	95.2	94.7	0	100	94.3	94.4	96.1	0	95.3
Trucks	1	6	457	51	0	0	41	71	32	0	4	89	452	13	1	0	67	75	84	1	1445
% Trucks	6.7	2.4	4.1	5.8	0	0	5.9	5.6	8.2	0	4.1	4.6	4.8	5.3	100	0	5.7	5.6	3.9	100	4.7

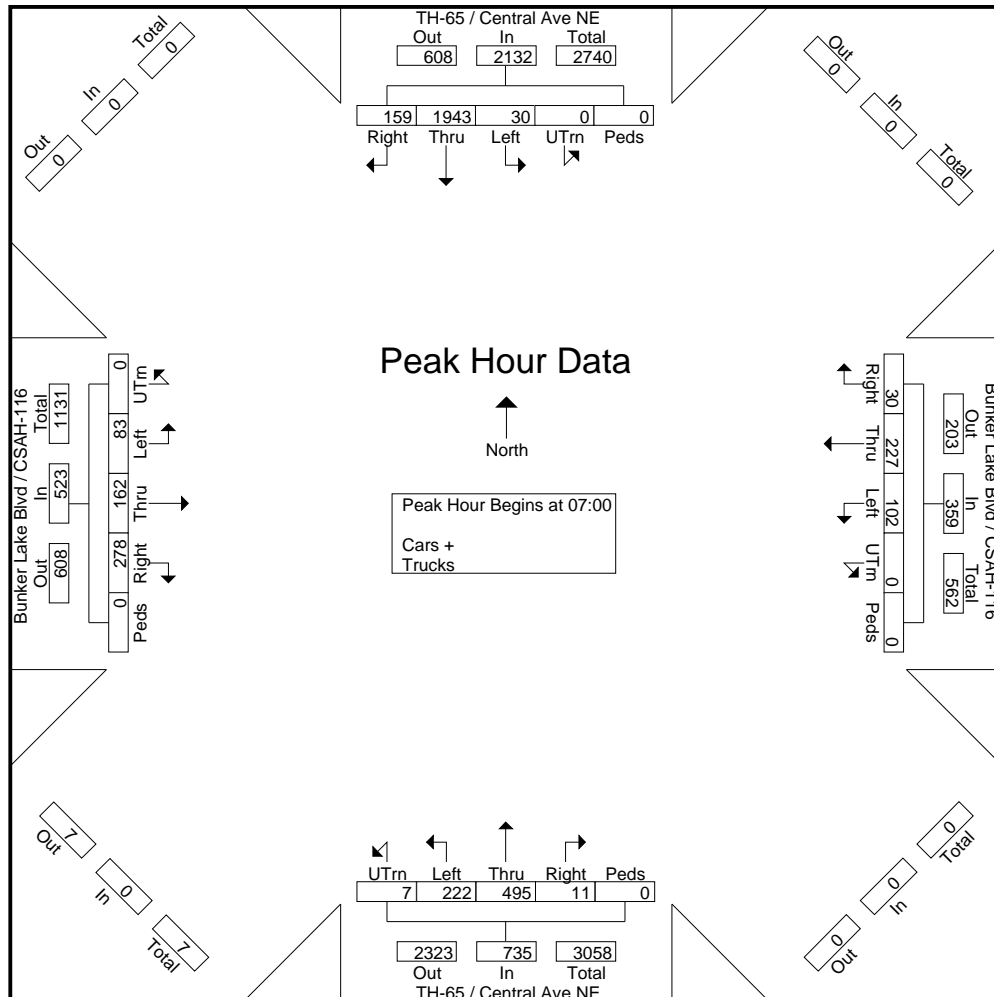
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 Ref.Pt.: 016.928
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 TURN MOVEMENT COUNT

File Name : 18 - TH 65 & Bunker Lake Blvd, 10-25-11
 Site Code : 18
 Start Date : 10/25/2011
 Page No : 2

Start Time	TH-65 / Central Ave NE Southbound						Bunker Lake Blvd / CSAH-116 Westbound						TH-65 / Central Ave NE Northbound						Bunker Lake Blvd / CSAH-116 Eastbound						Int. Total
	UTrn	Lef t	Th ru	Right	Peds	App. Total	UTrn	Lef t	Th ru	Right	Peds	App. Total	UTrn	Lef t	Th ru	Right	Peds	App. Total	UTrn	Lef t	Th ru	Right	Peds	App. Total	
07:00	0	6	504	43	0	553	0	27	73	7	0	107	2	52	107	1	0	162	0	16	31	51	0	98	920
07:15	0	7	459	39	0	505	0	30	84	8	0	122	1	62	136	0	0	199	0	27	30	80	0	137	963
07:30	0	11	521	32	0	564	0	20	37	6	0	63	3	46	141	7	0	197	0	22	48	65	0	135	959
07:45	0	6	459	45	0	510	0	25	33	9	0	67	1	62	111	3	0	177	0	18	53	82	0	153	907
Total Volume	0	30	1943	159	0	2132	0	102	227	30	0	359	7	222	495	11	0	735	0	83	162	278	0	523	3749
% App. Total	0	1.4	91.1	7.5	0		0	28.4	63.2	8.4	0		1	30.2	67.3	1.5	0		0	15.9	31	53.2	0		
PHF	.000	.682	.932	.883	.000	.945	.000	.850	.676	.833	.000	.736	.583	.895	.878	.393	.000	.923	.000	.769	.764	.848	.000	.855	.973

Peak Hour Analysis From 06:00 to 09:15 - Peak 1 of 1
 Peak Hour for Entire Intersection Begins at 07:00



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 Page No : 3

Start Time	TH-65 / Central Ave NE Southbound						Bunker Lake Blvd / CSAH-116 Westbound						TH-65 / Central Ave NE Northbound						Bunker Lake Blvd / CSAH-116 Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 14:30 to 17:45 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 16:30																									
16:30	0	5	241	22	0	268	0	20	49	19	0	88	4	72	495	2	0	573	0	56	61	81	0	198	1127
16:45	0	5	197	33	0	235	0	17	68	31	0	116	3	72	516	0	0	591	0	51	45	63	0	159	1101
17:00	3	9	243	26	0	281	0	32	55	40	0	127	1	63	529	2	0	595	0	66	56	76	0	198	1201
17:15	0	18	259	29	0	306	1	17	50	15	0	83	1	67	491	9	0	568	0	57	57	57	0	171	1128
Total Volume	3	37	940	110	0	1090	1	86	222	105	0	414	9	274	2031	13	0	2327	0	230	219	277	0	726	4557
% App. Total	0.3	3.4	86.2	10.1	0		0.2	20.8	53.6	25.4	0		0.4	11.8	87.3	0.6	0		0	31.7	30.2	38.2	0		
PHF	.250	.514	.907	.833	.000	.891	.250	.672	.816	.656	.000	.815	.563	.951	.960	.361	.000	.978	.000	.871	.898	.855	.000	.917	.949

