

# Alliant Engineering Inc Minneapolis, MN 55415

TH-65 at Bunker Lake Blvd NE  
Ref.Pt.: 016.928 HAM LAKE  
data by Alliant Engineering Inc  
TURN MOVEMENT COUNT

File Name : TH-65 at Bunker Lake Blvd NE 2009  
Site Code : 00000018  
Start Date : 1/28/2009  
Page No : 1

**Groups Printed- Unshifted**

Start Time	TH-65 Southbound				Bunker Lake Blvd NE Westbound				TH-65 Northbound				Bunker Lake Blvd NE Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	5	419	16	0	11	17	1	0	6	26	2	0	3	12	22	0	540
06:15	8	473	30	0	7	11	3	0	7	46	6	0	10	13	29	0	643
06:30	9	448	34	0	16	20	6	0	11	55	4	0	5	23	30	0	661
06:45	16	399	19	0	9	21	8	0	22	66	4	0	15	37	27	0	643
Total	38	1739	99	0	43	69	18	0	46	193	16	0	33	85	108	0	2487
07:00	12	420	28	0	12	44	3	0	15	69	5	0	6	39	44	0	697
07:15	0	444	45	1	19	67	3	0	23	83	7	0	10	31	51	0	784
07:30	16	420	60	0	14	59	9	0	28	109	4	0	14	49	34	0	816
07:45	5	376	60	0	27	80	6	0	31	94	8	0	20	41	36	0	784
Total	33	1660	193	1	72	250	21	0	97	355	24	0	50	160	165	0	3081
08:00	5	308	33	0	19	28	3	0	19	85	9	0	17	24	22	0	572
08:15	6	295	25	0	8	22	7	0	23	109	9	0	8	33	46	0	591
08:30	7	258	14	0	14	36	9	0	19	61	10	0	14	21	48	0	511
08:45	7	250	18	0	13	14	6	0	32	100	9	0	16	11	46	0	522
Total	25	1111	90	0	54	100	25	0	93	355	37	0	55	89	162	0	2196
09:00	4	226	20	0	12	21	7	0	23	97	13	0	8	7	21	0	459
09:15	3	213	17	0	15	32	10	0	13	90	8	0	15	18	32	0	466
*** BREAK ***																	
Total	7	439	37	0	27	53	17	0	36	187	21	0	23	25	53	0	925
*** BREAK ***																	
10:30	5	185	22	0	6	16	3	0	24	99	6	0	3	11	23	0	403
10:45	4	144	13	0	5	20	6	0	14	93	4	0	18	12	22	0	355
Total	9	329	35	0	11	36	9	0	38	192	10	0	21	23	45	0	758
11:00	8	140	12	0	9	8	2	0	22	104	7	0	12	9	23	0	356
11:15	5	172	14	0	5	21	8	0	22	134	10	0	14	9	27	0	441
11:30	4	128	9	0	7	14	5	0	21	157	9	0	25	16	43	0	438
11:45	7	214	18	0	14	13	7	0	27	144	7	0	20	15	37	0	523
Total	24	654	53	0	35	56	22	0	92	539	33	0	71	49	130	0	1758
12:00	6	142	13	0	9	15	6	0	25	122	13	0	15	16	38	0	420
12:15	9	198	22	0	13	12	8	0	30	129	11	0	14	17	27	0	490
12:30	0	157	8	0	11	12	9	0	22	165	8	0	17	12	29	0	450
12:45	8	175	17	0	14	21	7	0	35	178	18	0	15	14	25	0	527
Total	23	672	60	0	47	60	30	0	112	594	50	0	61	59	119	0	1887
13:00	6	147	8	0	9	16	13	0	27	177	15	0	19	12	20	0	469
13:15	6	141	13	0	9	15	7	0	30	162	8	0	20	16	27	0	454
*** BREAK ***																	
Total	12	288	21	0	18	31	20	0	57	339	23	0	39	28	47	0	923
*** BREAK ***																	
14:30	2	167	14	0	9	19	6	0	23	250	12	0	51	42	39	0	634
14:45	6	157	22	0	5	22	12	0	26	313	21	0	40	37	49	0	710
Total	8	324	36	0	14	41	18	0	49	563	33	0	91	79	88	0	1344
15:00	9	141	11	0	9	18	19	0	40	302	14	0	30	11	20	0	624
15:15	12	127	17	0	10	32	25	2	36	323	14	0	40	29	36	0	703
15:30	6	174	6	0	10	32	26	0	29	392	21	0	38	16	33	0	783
15:45	3	180	21	0	10	33	37	0	47	375	10	0	46	31	39	0	832
Total	30	622	55	0	39	115	107	2	152	1392	59	0	154	87	128	0	2942

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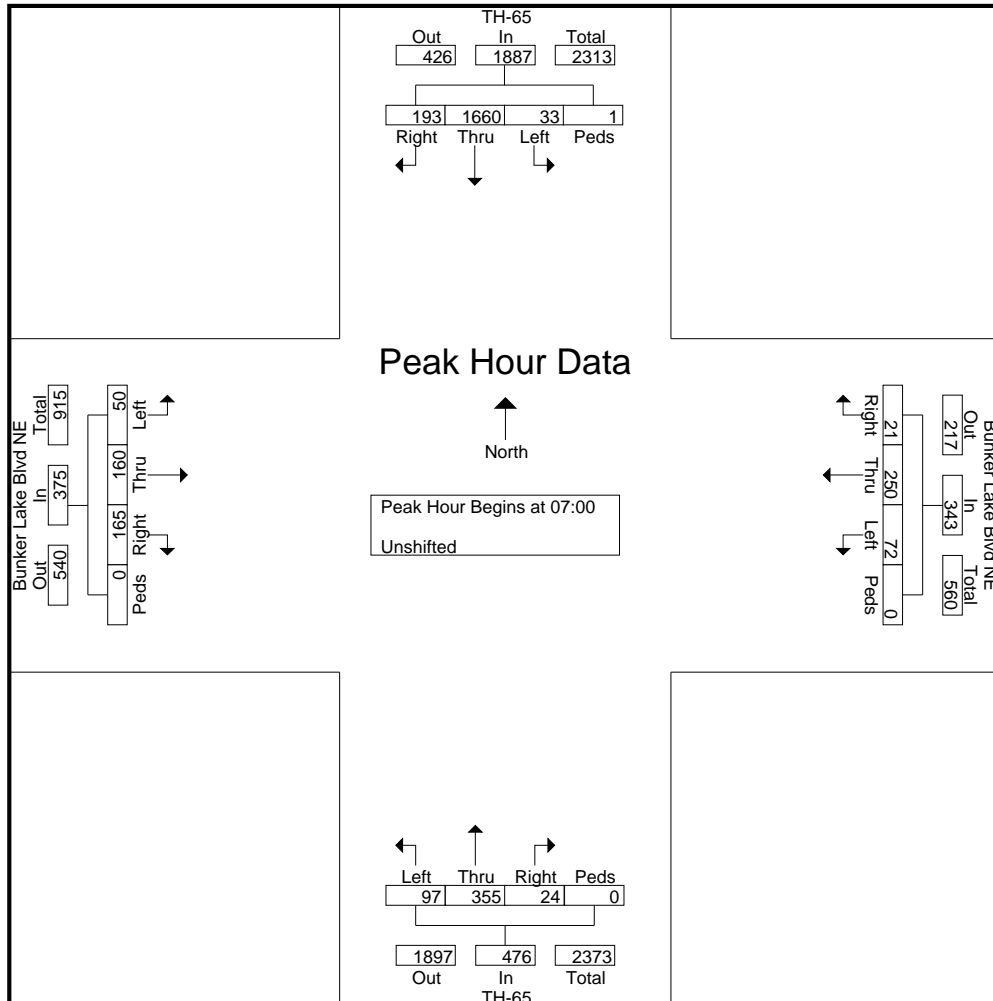
Start Time	TH-65 Southbound				Bunker Lake Blvd NE Westbound				TH-65 Northbound				Bunker Lake Blvd NE Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	3	194	14	0	9	42	20	0	50	450	18	0	39	32	46	0	917
16:15	4	134	12	0	19	45	34	0	41	378	22	0	46	32	36	0	803
16:30	8	201	12	0	13	41	17	0	53	423	16	0	54	39	41	0	918
16:45	9	170	17	0	15	66	38	1	47	421	12	0	55	24	26	0	901
Total	24	699	55	0	56	194	109	1	191	1672	68	0	194	127	149	0	3539
17:00	15	151	79	0	21	51	31	0	39	403	23	0	67	46	53	0	979
17:15	24	201	21	0	15	57	30	0	43	482	11	0	54	53	43	0	1034
17:30	14	161	13	0	13	45	29	0	49	367	18	0	78	43	40	0	870
17:45	8	178	23	0	12	38	31	0	50	386	15	0	48	26	33	0	848
Total	61	691	136	0	61	191	121	0	181	1638	67	0	247	168	169	0	3731
Grand Total	294	9228	870	1	477	1196	517	3	1144	8019	441	0	1039	979	1363	0	25571
Apprch %	2.8	88.8	8.4	0	21.8	54.5	23.6	0.1	11.9	83.5	4.6	0	30.7	29	40.3	0	
Total %	1.1	36.1	3.4	0	1.9	4.7	2	0	4.5	31.4	1.7	0	4.1	3.8	5.3	0	

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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	12	420	28	0	460	12	44	3	0	59	15	69	5	0	89	6	39	44	0	89	697
07:15	0	<b>444</b>	45	1	490	19	67	3	0	89	23	83	7	0	113	10	31	<b>51</b>	0	92	784
07:30	<b>16</b>	420	<b>60</b>	0	<b>496</b>	14	59	<b>9</b>	0	82	28	<b>109</b>	4	0	<b>141</b>	14	<b>49</b>	34	0	<b>97</b>	<b>816</b>
07:45	5	376	60	0	441	<b>27</b>	<b>80</b>	6	0	<b>113</b>	<b>31</b>	94	<b>8</b>	0	133	<b>20</b>	41	36	0	97	784
Total Volume	33	1660	193	1	1887	72	250	21	0	343	97	355	24	0	476	50	160	165	0	375	3081
% App. Total	1.7	88	10.2	0.1		21	72.9	6.1	0		20.4	74.6	5	0		13.3	42.7	44	0		
PHF	.516	.935	.804	.250	.951	.667	.781	.583	.000	.759	.782	.814	.750	.000	.844	.625	.816	.809	.000	.966	.944



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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	8	201	12	0	221	13	41	17	0	71	53	423	16	0	492	54	39	41	0	134	918
16:45	9	170	17	0	196	15	66	38	1	120	47	421	12	0	480	55	24	26	0	105	901
17:00	15	151	79	0	245	21	51	31	0	103	39	403	23	0	465	67	46	53	0	166	979
17:15	24	201	21	0	246	15	57	30	0	102	43	482	11	0	536	54	53	43	0	150	1034
Total Volume	56	723	129	0	908	64	215	116	1	396	182	1729	62	0	1973	230	162	163	0	555	3832
% App. Total	6.2	79.6	14.2	0		16.2	54.3	29.3	0.3		9.2	87.6	3.1	0		41.4	29.2	29.4	0		
PHF	.583	.899	.408	.000	.923	.762	.814	.763	.250	.825	.858	.897	.674	.000	.920	.858	.764	.769	.000	.836	.926

