

Alliant Engineering Inc Minneapolis, MN 55415

Fernbrook Lane at Harbor Lane N.
Ref.Pt.: north of TH-55
Alliant Engineering Inc
TURN MOVEMENT COUNT

File Name : 45_Fernbrook Ln at Harbor Ln_012511
Site Code : 00000045
Start Date : 1/25/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Fernbrook Lane Southbound				Harbor Lane N Westbound				Fernbrook Lane Northbound				Harbor Lane N Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	9	25	1	0	17	1	1	0	11	8	4	0	1	0	4	1	83
06:15	10	31	3	0	27	1	3	0	8	9	5	0	1	3	4	0	105
06:30	15	44	0	0	38	1	2	1	11	19	3	0	0	2	15	0	151
06:45	15	66	2	0	46	8	5	0	17	27	9	0	0	5	11	0	211
Total	49	166	6	0	128	11	11	1	47	63	21	0	2	10	34	1	550
07:00	19	81	2	0	37	2	9	0	16	20	15	0	0	0	15	0	216
07:15	28	106	3	0	42	3	5	0	22	31	12	0	0	4	13	0	269
07:30	30	153	7	0	46	4	11	0	32	34	9	0	1	4	21	0	352
07:45	18	164	11	1	33	15	7	0	49	37	9	0	2	2	18	0	366
Total	95	504	23	1	158	24	32	0	119	122	45	0	3	10	67	0	1203
08:00	25	115	6	1	38	7	6	0	44	41	10	0	5	3	23	0	324
08:15	30	88	3	0	45	4	7	0	42	40	23	0	3	4	27	0	316
08:30	22	72	6	0	38	5	23	0	43	44	11	0	2	2	34	1	303
08:45	8	67	7	0	40	10	16	0	37	45	14	0	6	5	26	0	281
Total	85	342	22	1	161	26	52	0	166	170	58	0	16	14	110	1	1224
09:00	26	49	0	0	36	9	11	0	44	39	18	0	3	5	22	0	262
09:15	15	36	4	0	39	8	17	0	42	32	10	0	0	5	16	0	224
*** BREAK ***																	
Total	41	85	4	0	75	17	28	0	86	71	28	0	3	10	38	0	486
*** BREAK ***																	
10:30	12	24	4	1	37	5	4	0	37	19	6	0	2	3	20	0	174
10:45	16	26	1	0	38	8	10	0	25	30	13	0	0	5	21	0	193
Total	28	50	5	1	75	13	14	0	62	49	19	0	2	8	41	0	367
11:00	10	37	4	0	46	7	8	0	24	31	15	0	4	5	28	0	219
11:15	19	42	9	0	38	6	10	0	55	38	18	0	3	4	22	0	264
11:30	19	47	3	0	49	7	19	0	60	46	19	0	2	6	29	0	306
11:45	22	40	4	0	59	6	17	0	69	44	25	0	9	7	33	0	335
Total	70	166	20	0	192	26	54	0	208	159	77	0	18	22	112	0	1124
12:00	15	58	11	0	60	7	17	0	47	62	16	1	4	10	44	0	352
12:15	10	52	4	1	44	10	22	1	48	51	7	0	11	6	32	0	299
12:30	20	62	5	2	53	10	6	0	38	47	11	2	10	5	29	0	300
12:45	16	45	5	0	42	12	15	0	47	43	9	2	6	4	35	0	281
Total	61	217	25	3	199	39	60	1	180	203	43	5	31	25	140	0	1232
13:00	9	52	5	0	44	4	10	0	31	49	11	0	8	5	26	0	254
13:15	17	42	6	0	43	6	17	0	28	46	10	0	2	2	25	0	244
*** BREAK ***																	
Total	26	94	11	0	87	10	27	0	59	95	21	0	10	7	51	0	498
*** BREAK ***																	
14:30	12	56	2	1	38	5	15	0	35	43	11	1	4	9	23	0	255
14:45	15	51	2	1	49	8	19	1	44	38	11	0	4	4	22	0	269
Total	27	107	4	2	87	13	34	1	79	81	22	1	8	13	45	0	524
15:00	12	59	0	0	34	5	14	0	27	53	10	0	7	11	24	0	256
15:15	18	47	4	0	38	5	15	0	43	40	8	0	6	0	35	0	259
15:30	14	45	2	0	40	6	17	0	36	86	12	0	9	3	27	0	297
15:45	15	40	2	0	48	11	25	0	36	62	14	0	3	5	24	0	285
Total	59	191	8	0	160	27	71	0	142	241	44	0	25	19	110	0	1097

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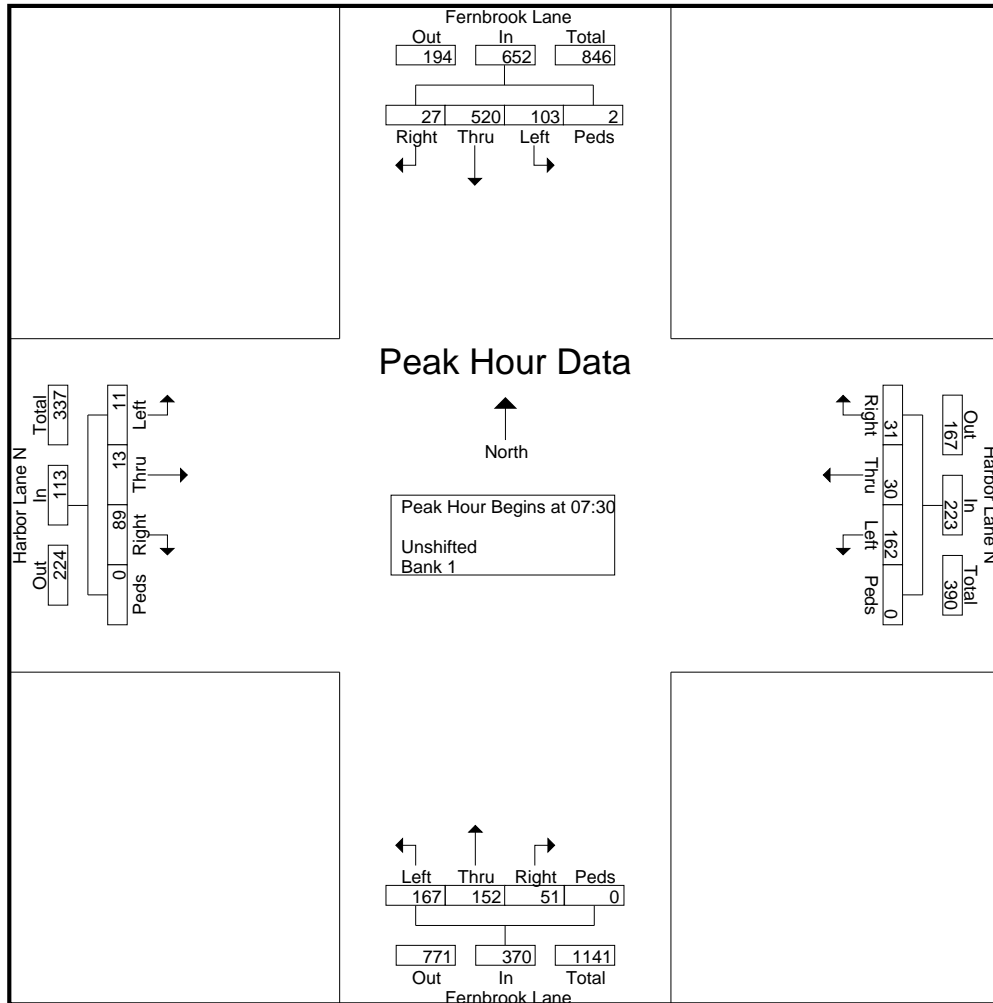
Start Time	Fernbrook Lane Southbound				Harbor Lane N Westbound				Fernbrook Lane Northbound				Harbor Lane N Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	14	80	2	0	38	13	22	0	47	103	18	0	11	6	30	0	384
16:15	11	63	2	0	45	8	17	0	48	94	17	0	2	8	23	0	338
16:30	14	60	5	0	38	8	26	0	38	124	13	1	7	4	28	1	367
16:45	15	55	6	2	37	6	26	2	53	132	22	1	8	2	27	1	395
Total	54	258	15	2	158	35	91	2	186	453	70	2	28	20	108	2	1484
17:00	27	80	3	0	44	11	34	0	47	149	19	0	14	13	51	0	492
17:15	14	49	1	0	40	11	25	0	55	125	35	0	9	8	58	0	430
17:30	21	56	2	0	39	4	37	0	40	115	22	0	7	2	25	1	371
17:45	16	35	4	0	47	10	28	0	35	122	30	0	1	8	18	0	354
Total	78	220	10	0	170	36	124	0	177	511	106	0	31	31	152	1	1647
Grand Total	673	2400	153	10	1650	277	598	5	1511	2218	554	8	177	189	1008	5	11436
Apprch %	20.8	74.2	4.7	0.3	65.2	10.9	23.6	0.2	35.2	51.7	12.9	0.2	12.8	13.7	73.1	0.4	
Total %	5.9	21	1.3	0.1	14.4	2.4	5.2	0	13.2	19.4	4.8	0.1	1.5	1.7	8.8	0	
Unshifted	664	2344	151	10	1621	272	580	5	1492	2154	541	8	175	185	985	5	11192
% Unshifted	98.7	97.7	98.7	100	98.2	98.2	97	100	98.7	97.1	97.7	100	98.9	97.9	97.7	100	97.9
Bank 1	9	56	2	0	29	5	18	0	19	64	13	0	2	4	23	0	244
% Bank 1	1.3	2.3	1.3	0	1.8	1.8	3	0	1.3	2.9	2.3	0	1.1	2.1	2.3	0	2.1

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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 09:15 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30																					
07:30	30	153	7	0	190	46	4	11	0	61	32	34	9	0	75	1	4	21	0	26	352
07:45	18	164	11	1	194	33	15	7	0	55	49	37	9	0	95	2	2	18	0	22	366
08:00	25	115	6	1	147	38	7	6	0	51	44	41	10	0	95	5	3	23	0	31	324
08:15	30	88	3	0	121	45	4	7	0	56	42	40	23	0	105	3	4	27	0	34	316
Total Volume	103	520	27	2	652	162	30	31	0	223	167	152	51	0	370	11	13	89	0	113	1358
% App. Total	15.8	79.8	4.1	0.3		72.6	13.5	13.9	0		45.1	41.1	13.8	0		9.7	11.5	78.8	0		
PHF	.858	.793	.614	.500	.840	.880	.500	.705	.000	.914	.852	.927	.554	.000	.881	.550	.813	.824	.000	.831	.928



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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 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	15	55	6	2	78	37	6	26	2	71	53	132	22	1	208	8	2	27	1	38	395
17:00	27	80	3	0	110	44	11	34	0	89	47	149	19	0	215	14	13	51	0	78	492
17:15	14	49	1	0	64	40	11	25	0	76	55	125	35	0	215	9	8	58	0	75	430
17:30	21	56	2	0	79	39	4	37	0	80	40	115	22	0	177	7	2	25	1	35	371
Total Volume	77	240	12	2	331	160	32	122	2	316	195	521	98	1	815	38	25	161	2	226	1688
% App. Total	23.3	72.5	3.6	0.6		50.6	10.1	38.6	0.6		23.9	63.9	12	0.1		16.8	11.1	71.2	0.9		
PHF	.713	.750	.500	.250	.752	.909	.727	.824	.250	.888	.886	.874	.700	.250	.948	.679	.481	.694	.500	.724	.858

