

Alliant Engineering Inc Minneapolis, MN 55415

Fernbrook Lane at 27th Ave N
Ref.Pt.: S of TH-55
Alliant Engineering Inc
TURN MOVEMENT COUNTS

File Name : 46_Fernbrook Ln at 27th Ave_012511
Site Code : 00000046
Start Date : 1/25/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Fernbrook Lane Southbound				commercial entrance Westbound				Fernbrook Lane Northbound				27th Ave N Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
06:00	0	21	17	0	0	0	0	0	9	9	0	0	22	1	2	1	82
06:15	3	30	32	0	0	0	0	0	11	6	0	0	5	0	0	0	87
06:30	3	51	32	0	0	0	0	0	9	11	0	0	7	0	2	0	115
06:45	4	49	34	0	0	0	0	0	24	7	0	0	8	0	7	1	134
Total	10	151	115	0	0	0	0	0	53	33	0	0	42	1	11	2	418
07:00	9	57	30	0	1	0	0	0	17	18	0	0	6	0	3	0	141
07:15	5	54	42	0	0	0	0	0	25	27	0	0	7	0	3	0	163
07:30	2	107	46	0	0	0	0	0	20	27	0	0	16	0	6	1	225
07:45	3	96	54	0	0	0	0	0	34	30	0	0	13	0	13	0	243
Total	19	314	172	0	1	0	0	0	96	102	0	0	42	0	25	1	772
08:00	2	78	52	0	0	0	0	0	24	29	1	0	14	0	10	0	210
08:15	10	66	52	0	0	0	1	0	14	23	1	0	7	0	2	0	176
08:30	3	59	38	0	1	0	0	0	13	23	0	0	11	0	1	0	149
08:45	2	41	31	0	0	0	0	0	13	27	0	0	16	0	4	0	134
Total	17	244	173	0	1	0	1	0	64	102	2	0	48	0	17	0	669
09:00	5	38	29	0	0	0	0	0	5	26	0	0	7	0	6	1	117
09:15	2	39	8	0	0	0	0	0	11	27	0	0	17	0	6	0	110
*** BREAK ***																	
Total	7	77	37	0	0	0	0	0	16	53	0	0	24	0	12	1	227
*** BREAK ***																	
10:30	4	39	16	0	0	0	0	0	6	24	0	0	21	0	6	0	116
10:45	5	32	16	0	0	0	1	0	7	33	0	0	17	0	2	0	113
Total	9	71	32	0	0	0	1	0	13	57	0	0	38	0	8	0	229
11:00	9	31	13	0	0	0	1	0	10	43	0	0	28	0	7	0	142
11:15	8	39	18	0	0	0	0	0	16	46	1	0	43	0	5	0	176
11:30	14	53	18	0	0	0	0	0	23	56	0	0	50	0	12	0	226
11:45	16	51	17	0	0	0	0	0	23	47	0	0	35	0	10	3	202
Total	47	174	66	0	0	0	1	0	72	192	1	0	156	0	34	3	746
12:00	14	60	23	0	0	0	0	0	30	60	0	0	56	1	11	0	255
12:15	27	64	20	0	0	0	0	0	17	56	0	0	51	0	11	0	246
12:30	21	76	22	0	0	0	1	0	16	44	0	0	44	0	10	3	237
12:45	19	86	32	0	0	0	0	0	10	38	0	0	39	0	9	0	233
Total	81	286	97	0	0	0	1	0	73	198	0	0	190	1	41	3	971
13:00	13	68	19	0	0	0	0	0	10	52	0	0	46	0	10	0	218
13:15	18	69	22	0	0	0	0	0	20	56	0	0	44	0	8	0	237
*** BREAK ***																	
Total	31	137	41	0	0	0	0	0	30	108	0	0	90	0	18	0	455
*** BREAK ***																	
14:30	8	51	15	0	0	0	0	0	12	40	0	0	39	1	16	0	182
14:45	8	49	14	0	0	0	1	0	12	26	0	0	38	0	6	0	154
Total	16	100	29	0	0	0	1	0	24	66	0	0	77	1	22	0	336
15:00	12	36	9	0	1	0	0	0	6	73	0	0	51	0	17	0	205
15:15	9	39	17	0	0	0	0	0	10	54	0	0	26	0	10	0	165
15:30	8	29	7	0	0	0	0	0	8	96	0	0	67	0	13	0	228
15:45	15	37	6	0	1	0	1	0	10	64	0	0	38	0	14	0	186
Total	44	141	39	0	2	0	1	0	34	287	0	0	182	0	54	0	784

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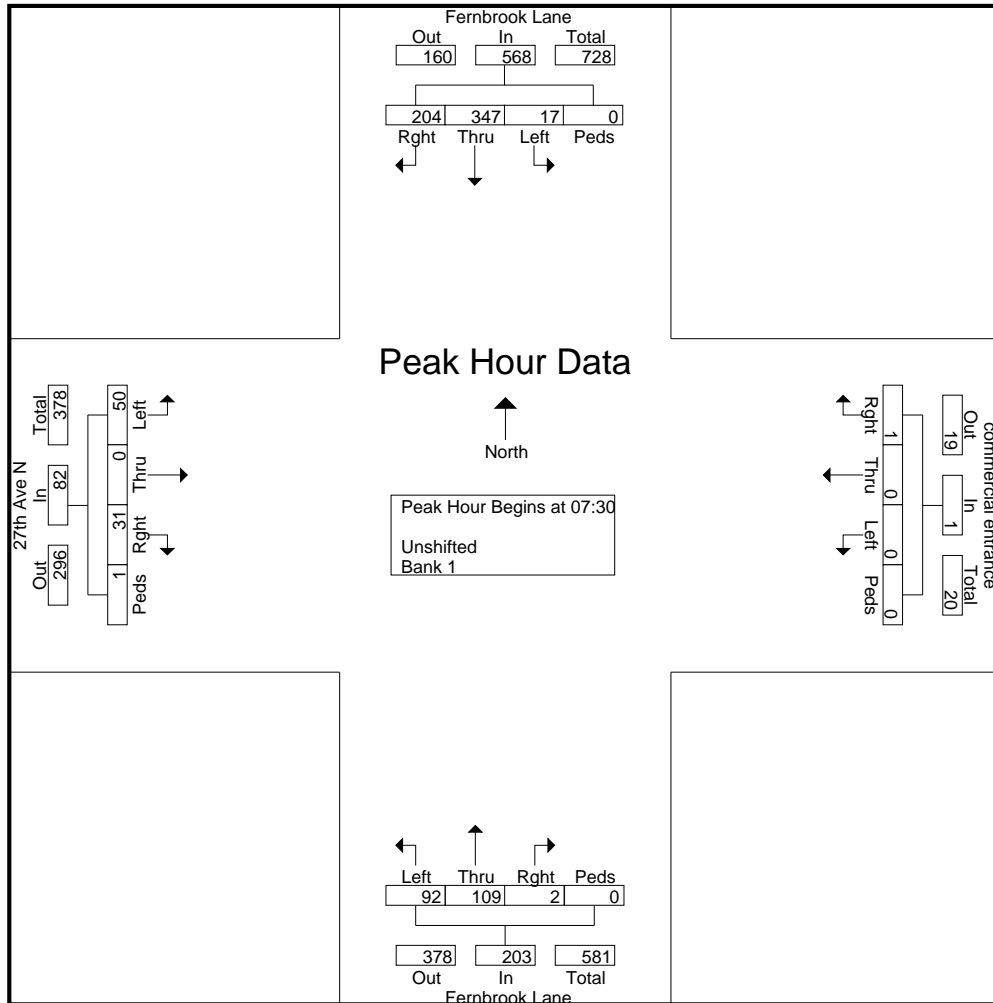
Start Time	Fernbrook Lane Southbound				commercial entrance Westbound				Fernbrook Lane Northbound				27th Ave N Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
16:00	13	26	6	0	0	0	0	0	15	118	0	0	53	0	26	0	257
16:15	43	30	6	0	0	0	0	0	11	122	0	0	64	0	10	0	286
16:30	13	17	7	0	0	0	1	0	9	124	0	0	88	0	23	0	282
16:45	8	23	4	0	0	0	0	0	7	98	0	0	58	0	17	0	215
Total	77	96	23	0	0	0	1	0	42	462	0	0	263	0	76	0	1040
17:00	18	23	6	0	1	0	0	0	14	129	0	0	91	0	18	0	300
17:15	24	20	7	0	0	0	1	0	5	117	0	0	43	0	11	0	228
17:30	20	25	3	0	0	0	0	0	9	66	0	0	45	0	8	0	176
17:45	17	17	3	0	0	0	0	0	4	60	0	0	29	0	4	0	134
Total	79	85	19	0	1	0	1	0	32	372	0	0	208	0	41	0	838
Grand Total	437	1876	843	0	5	0	8	0	549	2032	3	0	1360	3	359	10	7485
Apprch %	13.8	59.4	26.7	0	38.5	0	61.5	0	21.2	78.6	0.1	0	78.5	0.2	20.7	0.6	
Total %	5.8	25.1	11.3	0	0.1	0	0.1	0	7.3	27.1	0	0	18.2	0	4.8	0.1	
Unshifted	436	1863	834	0	4	0	7	0	528	2000	2	0	1323	3	343	10	7353
% Unshifted	99.8	99.3	98.9	0	80	0	87.5	0	96.2	98.4	66.7	0	97.3	100	95.5	100	98.2
Bank 1	1	13	9	0	1	0	1	0	21	32	1	0	37	0	16	0	132
% Bank 1	0.2	0.7	1.1	0	20	0	12.5	0	3.8	1.6	33.3	0	2.7	0	4.5	0	1.8

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	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	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	2	107	46	0	155	0	0	0	0	0	20	27	0	0	47	16	0	6	1	23	225
07:45	3	96	54	0	153	0	0	0	0	0	34	30	0	0	64	13	0	13	0	26	243
08:00	2	78	52	0	132	0	0	0	0	0	24	29	1	0	54	14	0	10	0	24	210
08:15	10	66	52	0	128	0	0	1	0	1	14	23	1	0	38	7	0	2	0	9	176
Total Volume	17	347	204	0	568	0	0	1	0	1	92	109	2	0	203	50	0	31	1	82	854
% App. Total	3	61.1	35.9	0		0	0	100	0		45.3	53.7	1	0		61	0	37.8	1.2		
PHF	.425	.811	.944	.000	.916	.000	.000	.250	.000	.250	.676	.908	.500	.000	.793	.781	.000	.596	.250	.788	.879



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	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	
Peak Hour Analysis From 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	43	30	6	0	79	0	0	0	0	0	11	122	0	0	133	64	0	10	0	74	286
16:30	13	17	7	0	37	0	0	1	0	1	9	124	0	0	133	88	0	23	0	111	282
16:45	8	23	4	0	35	0	0	0	0	0	7	98	0	0	105	58	0	17	0	75	215
17:00	18	23	6	0	47	1	0	0	0	1	14	129	0	0	143	91	0	18	0	109	300
Total Volume	82	93	23	0	198	1	0	1	0	2	41	473	0	0	514	301	0	68	0	369	1083
% App. Total	41.4	47	11.6	0		50	0	50	0		8	92	0	0		81.6	0	18.4	0		
PHF	.477	.775	.821	.000	.627	.250	.000	.250	.000	.500	.732	.917	.000	.000	.899	.827	.000	.739	.000	.831	.903

