

# Alliant Engineering, Inc.

233 Park Ave Suite 300  
 Minneapolis, MN 55415

--TRAFFIC DATA--

Fernbrook Lane and Harbor Lane  
 Ref.Pt.: 180.286  
 data by : Alliant Inc.  
 TURN MOVEMENT COUNT

File Name : 532\_Fernbrook Ln & Harbor Ln  
 Site Code : 532  
 Start Date : 2/21/2018  
 Page No : 1

## Groups Printed- Class 1 - Class 2

Start Time	Fernbrook Ln From North					Harbor Ln From East					Fernbrook Ln From South					Harbor Ln From West					Int. Total
	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
06:00 AM	0	1	35	5	41	0	3	1	14	18	0	5	16	3	24	0	7	1	0	8	91
06:15 AM	0	1	31	4	36	0	4	0	34	38	0	14	20	5	39	0	5	1	0	6	119
06:30 AM	0	0	50	9	59	0	9	0	25	34	0	12	16	10	38	0	20	2	0	22	153
06:45 AM	0	2	52	11	65	0	3	1	25	29	0	16	38	18	72	0	14	0	0	14	180
Total	0	4	168	29	201	0	19	2	98	119	0	47	90	36	173	0	46	4	0	50	543
07:00 AM	0	0	89	19	108	0	9	2	32	43	0	17	25	16	58	0	20	3	1	24	233
07:15 AM	0	1	98	11	110	1	8	5	30	44	1	20	40	33	94	0	14	2	0	16	264
07:30 AM	0	3	139	16	158	0	11	7	38	56	0	16	44	32	92	0	30	1	1	32	338
07:45 AM	0	3	145	20	168	0	11	4	26	41	4	26	74	27	131	2	30	1	0	33	373
Total	0	7	471	66	544	1	39	18	126	184	5	79	183	108	375	2	94	7	2	105	1208
08:00 AM	0	2	98	20	120	0	17	4	40	61	0	25	52	43	120	0	17	2	1	20	321
08:15 AM	0	4	84	14	102	0	10	5	30	45	0	17	46	54	117	0	44	3	8	55	319
08:30 AM	0	1	75	5	81	0	9	2	29	40	0	13	58	36	107	0	39	5	7	51	279
08:45 AM	0	5	56	13	74	0	6	8	32	46	0	10	49	49	108	0	19	1	1	21	249
Total	0	12	313	52	377	0	42	19	131	192	0	65	205	182	452	0	119	11	17	147	1168
09:00 AM	0	5	36	10	51	1	3	1	34	39	0	11	53	32	96	0	15	3	5	23	209
09:15 AM	0	0	33	8	41	0	10	2	37	49	0	15	37	17	69	0	20	1	2	23	182
*** BREAK ***																					
Total	0	5	69	18	92	1	13	3	71	88	0	26	90	49	165	0	35	4	7	46	391
*** BREAK ***																					
10:30 AM	0	0	29	14	43	0	9	3	31	43	0	13	34	26	73	0	12	2	4	18	177
10:45 AM	0	3	31	5	39	0	8	2	42	52	0	17	27	29	73	0	16	5	1	22	186
Total	0	3	60	19	82	0	17	5	73	95	0	30	61	55	146	0	28	7	5	40	363
11:00 AM	0	1	48	15	64	0	12	2	26	40	0	17	34	16	67	0	24	2	3	29	200
11:15 AM	0	3	47	15	65	0	8	7	30	45	0	19	38	33	90	0	20	2	1	23	223
11:30 AM	0	5	61	25	91	0	8	5	43	56	0	27	46	35	108	0	23	2	0	25	280
11:45 AM	0	6	51	19	76	0	14	4	25	43	0	27	50	40	117	1	21	2	3	27	263
Total	0	15	207	74	296	0	42	18	124	184	0	90	168	124	382	1	88	8	7	104	966
12:00 PM	0	2	52	13	67	0	12	6	43	61	0	20	53	30	103	0	36	3	8	47	278
12:15 PM	0	2	61	9	72	0	13	5	57	75	4	7	53	33	97	4	23	4	2	33	277
12:30 PM	0	4	57	16	77	0	9	7	43	59	0	13	57	33	103	0	31	3	6	40	279
12:45 PM	0	2	49	11	62	0	11	13	58	82	0	9	56	29	94	0	22	4	7	33	271
Total	0	10	219	49	278	0	45	31	201	277	4	49	219	125	397	4	112	14	23	153	1105
01:00 PM	0	5	62	16	83	0	21	5	51	77	0	17	43	19	79	0	21	2	3	26	265
01:15 PM	0	1	34	13	48	0	15	4	55	74	0	13	41	22	76	0	27	1	1	29	227
*** BREAK ***																					
Total	0	6	96	29	131	0	36	9	106	151	0	30	84	41	155	0	48	3	4	55	492
*** BREAK ***																					
02:30 PM	0	0	43	16	59	0	21	6	42	69	0	12	38	16	66	0	26	4	4	34	228
02:45 PM	0	3	38	12	53	0	13	7	33	53	0	11	63	39	113	0	18	1	7	26	245
Total	0	3	81	28	112	0	34	13	75	122	0	23	101	55	179	0	44	5	11	60	473
03:00 PM	0	2	67	18	87	1	21	1	20	43	4	8	52	26	90	2	22	4	3	31	251
03:15 PM	0	3	27	11	41	0	9	6	30	45	1	8	72	34	115	1	28	1	11	41	242
03:30 PM	0	1	54	11	66	0	18	5	39	62	0	14	76	37	127	0	18	2	5	25	280
03:45 PM	0	6	42	14	62	0	17	7	28	52	0	12	62	30	104	2	22	3	8	35	253
Total	0	12	190	54	256	1	65	19	117	202	5	42	262	127	436	5	90	10	27	132	1026
04:00 PM	0	2	71	16	89	0	16	3	29	48	0	14	66	21	101	0	35	2	7	44	282
04:15 PM	0	3	57	20	80	0	15	3	30	48	0	22	84	38	144	0	23	8	4	35	307
04:30 PM	0	1	68	19	88	0	21	5	34	60	0	24	86	33	143	0	33	2	6	41	332

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TURN MOVEMENT COUNT

File Name : 532\_Fernbrook Ln & Harbor Ln

Site Code : 532\_\_\_\_\_

Start Date : 2/21/2018

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Start Time	Fernbrook Ln From North					Harbor Ln From East					Fernbrook Ln From South					Harbor Ln From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
04:45 PM	0	7	49	15	71	0	24	7	30	61	1	26	88	34	149	0	41	14	7	62	343
Total	0	13	245	70	328	0	76	18	123	217	1	86	324	126	537	0	132	26	24	182	1264
05:00 PM	0	1	64	19	84	0	22	6	30	58	1	20	112	31	164	1	45	5	15	66	372
05:15 PM	0	5	59	12	76	0	20	6	44	70	1	31	102	39	173	0	38	4	9	51	370
05:30 PM	0	1	72	9	82	0	25	5	40	70	0	13	95	41	149	0	29	1	6	36	337
05:45 PM	0	6	40	12	58	0	22	4	43	69	0	16	93	35	144	0	24	0	12	36	307
Total	0	13	235	52	300	0	89	21	157	267	2	80	402	146	630	1	136	10	42	189	1386
Grand Total	0	103	2354	540	2997	3	517	176	1402	2098	17	647	2189	1174	4027	13	972	109	169	1263	10385
Apprch %	0	3.4	78.5	18		0.1	24.6	8.4	66.8		0.4	16.1	54.4	29.2		1	77	8.6	13.4		
Total %	0	1	22.7	5.2	28.9	0	5	1.7	13.5	20.2	0.2	6.2	21.1	11.3	38.8	0.1	9.4	1	1.6	12.2	
Class 1	0	101	2296	529	2926	3	498	170	1328	1999	17	621	2127	1147	3912	13	938	108	166	1225	10062
% Class 1	0	98.1	97.5	98	97.6	100	96.3	96.6	94.7	95.3	100	96	97.2	97.7	97.1	100	96.5	99.1	98.2	97	96.9
Class 2	0	2	58	11	71	0	19	6	74	99	0	26	62	27	115	0	34	1	3	38	323
% Class 2	0	1.9	2.5	2	2.4	0	3.7	3.4	5.3	4.7	0	4	2.8	2.3	2.9	0	3.5	0.9	1.8	3	3.1

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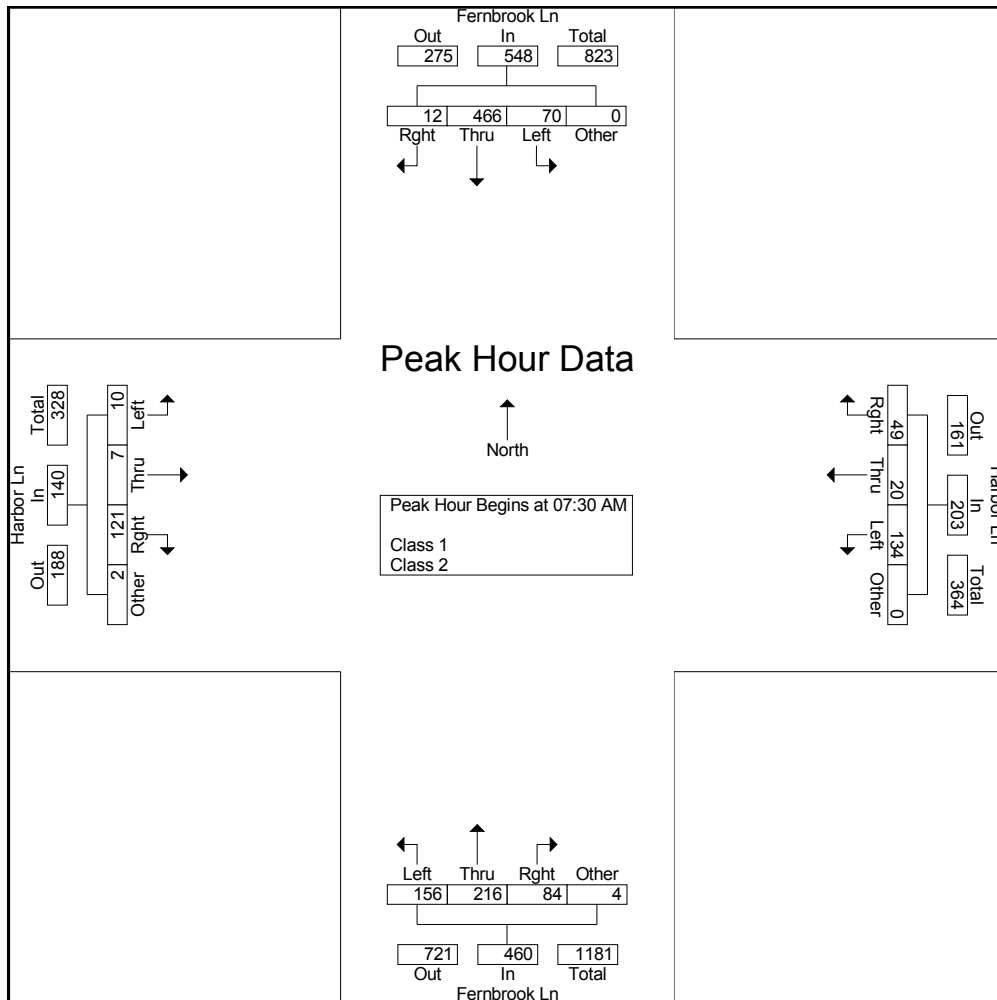
File Name : 532\_Fernbrook Ln & Harbor Ln

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Start Time	Fernbrook Ln From North					Harbor Ln From East					Fernbrook Ln From South					Harbor Ln From West					Int. Total
	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	3	139	16	158	0	11	7	38	56	0	16	44	32	92	0	30	1	1	32	338
07:45 AM	0	3	145	20	168	0	11	4	26	41	4	26	74	27	131	2	30	1	0	33	373
08:00 AM	0	2	98	20	120	0	17	4	40	61	0	25	52	43	120	0	17	2	1	20	321
08:15 AM	0	4	84	14	102	0	10	5	30	45	0	17	46	54	117	0	44	3	8	55	319
Total Volume	0	12	466	70	548	0	49	20	134	203	4	84	216	156	460	2	121	7	10	140	1351
% App. Total	0	2.2	85	12.8		0	24.1	9.9	66		0.9	18.3	47	33.9		1.4	86.4	5	7.1		
PHF	.000	.750	.803	.875	.815	.000	.721	.714	.838	.832	.250	.808	.730	.722	.878	.250	.688	.583	.313	.636	.905



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Start Time	Fernbrook Ln From North					Harbor Ln From East					Fernbrook Ln From South					Harbor Ln From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	7	49	15	71	0	24	7	30	61	1	26	88	34	149	0	41	14	7	62	343
05:00 PM	0	1	64	19	84	0	22	6	30	58	1	20	112	31	164	1	45	5	15	66	372
05:15 PM	0	5	59	12	76	0	20	6	44	70	1	31	102	39	173	0	38	4	9	51	370
05:30 PM	0	1	72	9	82	0	25	5	40	70	0	13	95	41	149	0	29	1	6	36	337
Total Volume	0	14	244	55	313	0	91	24	144	259	3	90	397	145	635	1	153	24	37	215	1422
% App. Total	0	4.5	78	17.6		0	35.1	9.3	55.6		0.5	14.2	62.5	22.8		0.5	71.2	11.2	17.2		
PHF	.000	.500	.847	.724	.932	.000	.910	.857	.818	.925	.750	.726	.886	.884	.918	.250	.850	.429	.617	.814	.956

