

# Alliant Engineering Inc Minneapolis, MN 55415

Vicksburg Lane at 32nd Ave N  
Ref.Pt.:  
Alliant Engineering Inc  
TURN MOVEMENT COUNT

File Name : 40\_Vicksburg Ln at 32nd Ave\_012511  
Site Code : 00000040  
Start Date : 1/25/2011  
Page No : 1

### Groups Printed- Unshifted - Bank 1

Start Time	Vicksburg Lane Southbound				32nd Ave N Westbound				Vicksburg Lane Northbound				mall entrance Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
06:00	11	27	3	0	2	0	5	0	1	20	4	0	1	0	1	0	75
06:15	13	36	3	0	2	0	9	0	3	27	2	0	2	0	0	0	97
06:30	17	50	15	0	6	0	7	0	5	31	8	0	4	0	7	0	150
06:45	17	81	10	0	5	0	14	0	5	85	0	0	5	1	6	0	229
Total	58	194	31	0	15	0	35	0	14	163	14	0	12	1	14	0	551
07:00	12	106	15	0	0	2	13	0	2	68	1	0	1	2	6	0	228
07:15	11	145	22	0	3	0	9	0	4	49	0	0	6	2	10	0	261
07:30	6	167	18	0	1	0	1	0	8	65	2	0	6	0	9	0	283
07:45	11	217	34	0	0	0	4	0	11	74	4	0	10	2	17	0	384
Total	40	635	89	0	4	2	27	0	25	256	7	0	23	6	42	0	1156
08:00	16	186	12	0	0	1	1	0	9	87	10	0	12	1	7	0	342
08:15	15	95	17	0	2	0	6	0	5	64	4	0	11	3	7	0	229
08:30	15	81	22	0	3	1	4	0	4	49	6	0	14	1	8	0	208
08:45	9	114	27	0	2	1	7	0	9	59	1	0	12	0	5	0	246
Total	55	476	78	0	7	3	18	0	27	259	21	0	49	5	27	0	1025
09:00	27	64	24	0	1	0	3	0	4	71	23	0	19	0	8	0	244
09:15	10	50	31	0	2	0	14	0	11	53	8	0	16	3	10	0	208
*** BREAK ***																	
Total	37	114	55	0	3	0	17	0	15	124	31	0	35	3	18	0	452
*** BREAK ***																	
10:30	6	46	31	0	2	0	8	0	8	49	2	0	24	1	9	0	186
10:45	10	51	36	0	0	1	7	0	20	48	4	0	36	1	11	0	225
Total	16	97	67	0	2	1	15	0	28	97	6	0	60	2	20	0	411
11:00	8	46	43	0	5	1	6	0	23	58	3	0	38	2	10	0	243
11:15	16	68	46	0	7	3	16	0	17	68	0	0	37	2	15	0	295
11:30	13	67	68	0	6	1	14	0	36	101	5	0	39	4	27	0	381
11:45	9	75	81	0	2	1	8	0	25	77	2	0	57	5	29	0	371
Total	46	256	238	0	20	6	44	0	101	304	10	0	171	13	81	0	1290
12:00	10	57	67	0	0	0	5	0	38	84	5	0	56	3	31	0	356
12:15	14	58	92	0	3	1	12	0	21	64	1	0	62	1	23	0	352
12:30	11	74	59	0	0	1	8	0	18	80	5	0	61	4	30	0	351
12:45	14	63	59	0	0	2	6	0	11	62	1	0	67	0	27	0	312
Total	49	252	277	0	3	4	31	0	88	290	12	0	246	8	111	0	1371
13:00	10	79	58	0	1	2	7	0	18	60	3	0	61	2	20	0	321
13:15	13	54	48	0	4	1	4	0	32	64	6	0	40	5	25	0	296
*** BREAK ***																	
Total	23	133	106	0	5	3	11	0	50	124	9	0	101	7	45	0	617
*** BREAK ***																	
14:30	2	79	45	0	3	1	12	0	13	64	2	0	42	0	15	0	278
14:45	10	72	39	0	2	1	3	0	18	69	2	0	47	1	16	1	281
Total	12	151	84	0	5	2	15	0	31	133	4	0	89	1	31	1	559
15:00	3	94	38	0	2	0	10	0	11	75	2	0	44	0	18	0	297
15:15	9	73	41	0	2	2	11	0	22	123	1	0	49	1	25	0	359
15:30	10	60	33	0	3	1	14	0	13	126	11	0	40	1	4	0	316
15:45	10	94	48	0	6	3	5	0	24	148	2	0	50	3	14	0	407
Total	32	321	160	0	13	6	40	0	70	472	16	0	183	5	61	0	1379

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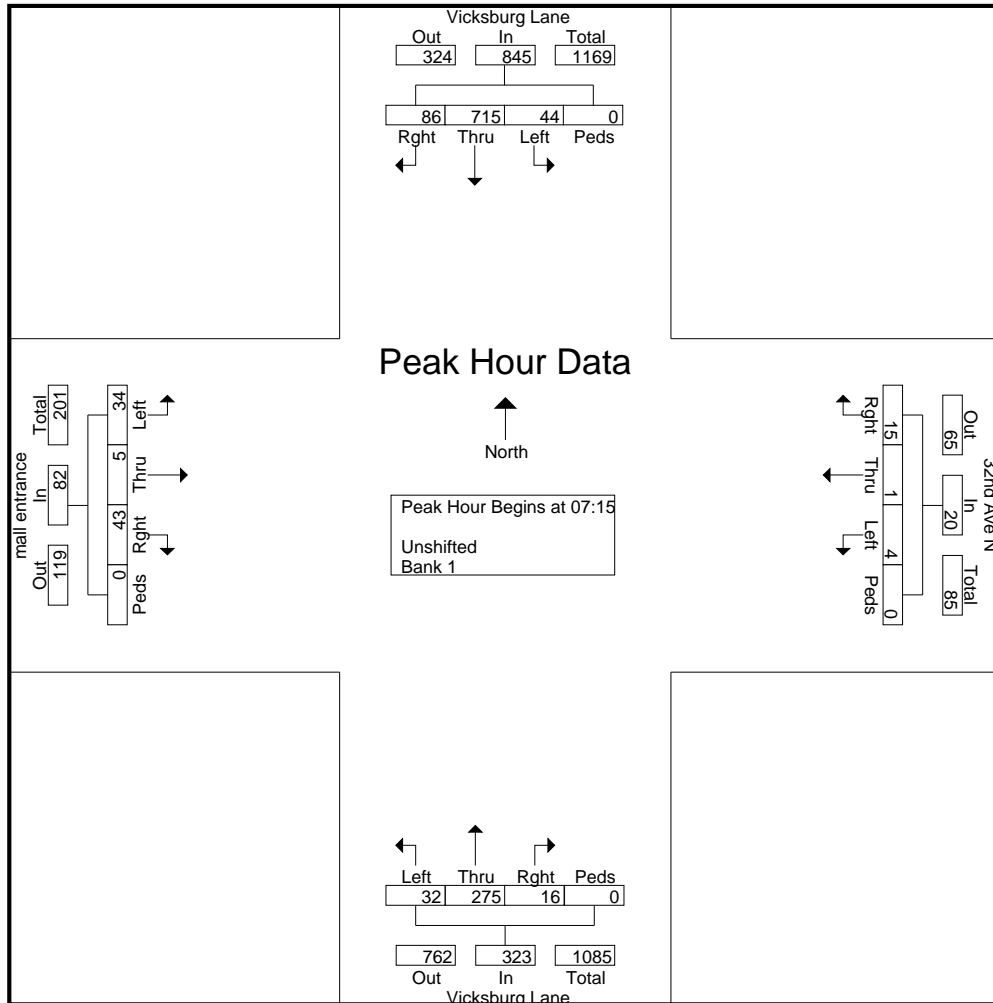
Start Time	Vicksburg Lane Southbound				32nd Ave N Westbound				Vicksburg Lane Northbound				mall entrance Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
16:00	9	79	32	0	3	2	15	0	15	143	3	0	44	0	19	0	364
16:15	17	110	31	0	3	1	5	0	22	168	7	0	40	2	11	0	417
16:30	16	77	35	0	2	3	18	0	18	155	8	0	46	1	18	0	397
16:45	5	104	42	0	6	0	11	0	19	233	5	1	43	0	13	0	482
Total	47	370	140	0	14	6	49	0	74	699	23	1	173	3	61	0	1660
17:00	3	119	44	0	5	1	17	0	24	239	2	0	41	2	27	0	524
17:15	3	92	43	0	5	2	8	0	16	185	0	0	49	2	18	0	423
17:30	5	98	61	0	3	1	5	0	29	205	1	0	64	1	27	0	500
17:45	7	102	57	0	4	1	9	0	20	135	1	0	56	1	21	0	414
Total	18	411	205	0	17	5	39	0	89	764	4	0	210	6	93	0	1861
Grand Total	433	3410	1530	0	108	38	341	0	612	3685	157	1	1352	60	604	1	12332
Apprch %	8.1	63.5	28.5	0	22.2	7.8	70	0	13.7	82.7	3.5	0	67	3	29.9	0	
Total %	3.5	27.7	12.4	0	0.9	0.3	2.8	0	5	29.9	1.3	0	11	0.5	4.9	0	
Unshifted	310	3321	1509	0	61	35	249	0	608	3611	67	1	1334	56	594	1	11757
% Unshifted	71.6	97.4	98.6	0	56.5	92.1	73	0	99.3	98	42.7	100	98.7	93.3	98.3	100	95.3
Bank 1	123	89	21	0	47	3	92	0	4	74	90	0	18	4	10	0	575
% Bank 1	28.4	2.6	1.4	0	43.5	7.9	27	0	0.7	2	57.3	0	1.3	6.7	1.7	0	4.7

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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 07:15																					
07:15	11	145	22	0	178	3	0	9	0	12	4	49	0	0	53	6	2	10	0	18	261
07:30	6	167	18	0	191	1	0	1	0	2	8	65	2	0	75	6	0	9	0	15	283
07:45	11	217	34	0	262	0	0	4	0	4	11	74	4	0	89	10	2	17	0	29	384
08:00	16	186	12	0	214	0	1	1	0	2	9	87	10	0	106	12	1	7	0	20	342
Total Volume	44	715	86	0	845	4	1	15	0	20	32	275	16	0	323	34	5	43	0	82	1270
% App. Total	5.2	84.6	10.2	0		20	5	75	0		9.9	85.1	5	0		41.5	6.1	52.4	0		
PHF	.688	.824	.632	.000	.806	.333	.250	.417	.000	.417	.727	.790	.400	.000	.762	.708	.625	.632	.000	.707	.827



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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 16:45																					
16:45	5	104	42	0	151	6	0	11	0	17	19	233	5	1	258	43	0	13	0	56	482
17:00	3	119	44	0	166	5	1	17	0	23	24	239	2	0	265	41	2	27	0	70	524
17:15	3	92	43	0	138	5	2	8	0	15	16	185	0	0	201	49	2	18	0	69	423
17:30	5	98	61	0	164	3	1	5	0	9	29	205	1	0	235	64	1	27	0	92	500
Total Volume	16	413	190	0	619	19	4	41	0	64	88	862	8	1	959	197	5	85	0	287	1929
% App. Total	2.6	66.7	30.7	0		29.7	6.2	64.1	0		9.2	89.9	0.8	0.1		68.6	1.7	29.6	0		
PHF	.800	.868	.779	.000	.932	.792	.500	.603	.000	.696	.759	.902	.400	.250	.905	.770	.625	.787	.000	.780	.920

