

# Alliant Engineering Inc Minneapolis, MN 55415

Louisiana Ave S at W Lake Street  
Ref,Pt.:  
Alliant Engineering Inc.  
TURN MOVEMENT COUNT

File Name : 26\_Louisiana Ave at Lake St\_010411  
Site Code : 00000026  
Start Date : 1/4/2011  
Page No : 1

### Groups Printed- Unshifted - Bank 1

Start Time	Louisiana Ave S Southbound				W Lake St Westbound				Louisiana Ave S Northbound				W Lake St Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
06:00	3	78	2	0	1	0	0	0	0	33	0	0	6	0	2	0	125
06:15	3	126	2	0	1	0	1	0	1	37	2	0	4	3	2	0	182
06:30	6	149	2	0	0	0	3	1	0	30	0	0	2	5	0	0	198
06:45	8	196	6	0	1	2	2	0	0	33	1	0	5	2	3	0	259
Total	20	549	12	0	3	2	6	1	1	133	3	0	17	10	7	0	764
07:00	6	139	5	0	2	2	3	0	1	35	1	0	8	3	5	0	210
07:15	8	167	4	0	1	0	2	0	1	55	2	0	10	6	4	0	260
07:30	8	161	7	0	0	1	2	0	0	68	0	0	11	3	2	0	263
07:45	12	168	9	0	0	4	3	0	3	103	2	0	10	8	7	0	329
Total	34	635	25	0	3	7	10	0	5	261	5	0	39	20	18	0	1062
08:00	15	192	5	0	2	2	3	0	3	79	3	0	10	7	7	0	328
08:15	11	194	7	0	0	4	10	0	4	57	4	0	10	10	10	0	321
08:30	10	134	7	0	1	2	6	0	1	69	1	0	6	4	2	0	243
08:45	12	161	3	0	3	1	3	0	0	58	3	0	10	6	2	0	262
Total	48	681	22	0	6	9	22	0	8	263	11	0	36	27	21	0	1154
09:00	22	107	6	0	1	0	9	0	0	61	2	0	3	8	5	0	224
09:15	13	105	2	0	3	2	10	0	2	62	1	0	3	3	3	0	209
*** BREAK ***																	
Total	35	212	8	0	4	2	19	0	2	123	3	0	6	11	8	0	433
*** BREAK ***																	
10:30	8	97	2	0	1	0	11	0	5	81	5	0	3	7	2	0	222
10:45	14	108	4	0	3	0	9	0	4	99	1	0	6	1	1	0	250
Total	22	205	6	0	4	0	20	0	9	180	6	0	9	8	3	0	472
11:00	14	100	4	0	1	7	10	0	4	86	1	0	2	3	5	0	237
11:15	11	100	5	0	3	5	9	0	5	96	4	0	7	2	3	0	250
11:30	13	92	4	0	1	2	15	0	5	99	4	0	3	4	1	0	243
11:45	15	104	6	0	0	6	12	1	5	104	3	0	3	4	1	0	264
Total	53	396	19	0	5	20	46	1	19	385	12	0	15	13	10	0	994
12:00	16	104	6	0	3	2	17	0	5	116	5	0	8	3	8	0	293
12:15	16	129	5	0	4	4	15	2	4	96	1	0	5	1	4	0	286
12:30	25	119	9	0	5	3	12	1	2	121	4	0	4	5	4	0	314
12:45	17	113	11	0	3	2	8	1	5	103	1	0	6	5	7	0	282
Total	74	465	31	0	15	11	52	4	16	436	11	0	23	14	23	0	1175
13:00	13	124	6	0	1	2	15	0	6	109	6	0	2	1	7	0	292
13:15	8	97	7	0	1	3	13	0	5	101	4	0	6	6	3	0	254
*** BREAK ***																	
Total	21	221	13	0	2	5	28	0	11	210	10	0	8	7	10	0	546
*** BREAK ***																	
14:30	14	144	7	0	3	4	18	1	3	141	3	0	3	3	2	0	346
14:45	9	125	5	0	2	2	10	1	5	147	3	0	12	4	11	0	336
Total	23	269	12	0	5	6	28	2	8	288	6	0	15	7	13	0	682
15:00	10	88	5	0	2	5	17	0	5	199	4	0	5	4	4	0	348
15:15	16	109	10	0	2	7	14	0	11	131	3	0	8	7	4	0	322
15:30	20	84	8	2	0	7	18	0	6	191	2	0	4	5	0	0	347
15:45	14	95	9	0	2	4	11	1	2	181	2	0	6	5	5	0	337
Total	60	376	32	2	6	23	60	1	24	702	11	0	23	21	13	0	1354

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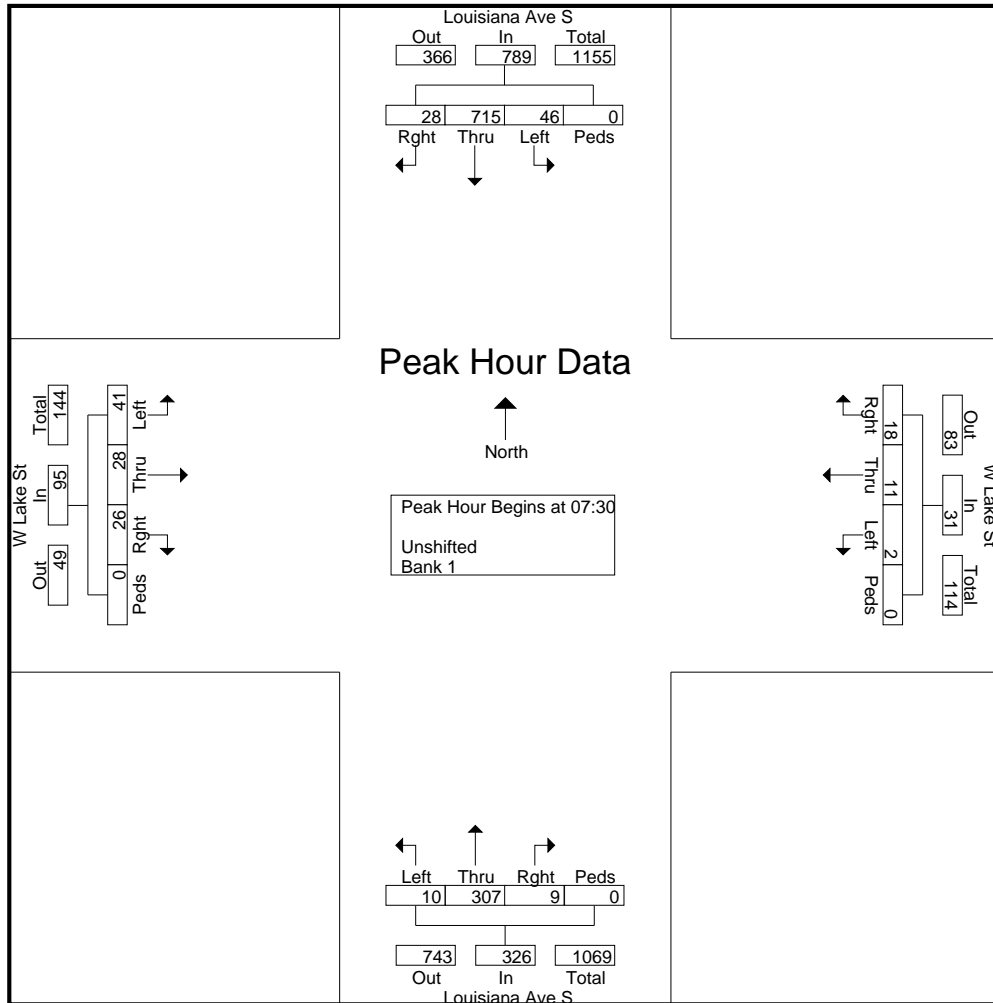
Start Time	Louisiana Ave S Southbound				W Lake St Westbound				Louisiana Ave S Northbound				W Lake St Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	
16:00	16	86	5	0	3	2	18	0	7	183	3	0	8	4	9	0	344
16:15	6	51	6	0	1	2	8	0	4	95	0	0	4	4	2	0	183
16:30	3	74	9	1	0	5	12	0	7	210	3	0	3	6	4	1	338
16:45	15	93	3	0	1	7	13	0	8	152	3	0	6	3	5	0	309
Total	40	304	23	1	5	16	51	0	26	640	9	0	21	17	20	1	1174
17:00	13	86	13	0	2	5	19	0	12	181	5	0	6	5	6	0	353
17:15	17	92	14	0	3	2	13	0	9	153	2	0	11	5	3	0	324
17:30	20	88	6	0	2	0	10	1	6	153	6	0	9	7	10	0	318
17:45	9	96	6	1	0	2	11	1	5	124	3	0	5	2	6	0	271
Total	59	362	39	1	7	9	53	2	32	611	16	0	31	19	25	0	1266
Grand Total	489	4675	242	4	65	110	395	11	161	4232	103	0	243	174	171	1	11076
Apprch %	9	86.4	4.5	0.1	11.2	18.9	68	1.9	3.6	94.1	2.3	0	41.3	29.5	29	0.2	
Total %	4.4	42.2	2.2	0	0.6	1	3.6	0.1	1.5	38.2	0.9	0	2.2	1.6	1.5	0	
Unshifted	474	4467	235	4	58	106	381	11	152	4005	95	0	229	168	167	1	10553
% Unshifted	96.9	95.6	97.1	100	89.2	96.4	96.5	100	94.4	94.6	92.2	0	94.2	96.6	97.7	100	95.3
Bank 1	15	208	7	0	7	4	14	0	9	227	8	0	14	6	4	0	523
% Bank 1	3.1	4.4	2.9	0	10.8	3.6	3.5	0	5.6	5.4	7.8	0	5.8	3.4	2.3	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 07:30																					
07:30	8	161	7	0	176	0	1	2	0	3	0	68	0	0	68	11	3	2	0	16	263
07:45	12	168	9	0	189	0	4	3	0	7	3	103	2	0	108	10	8	7	0	25	329
08:00	15	192	5	0	212	2	2	3	0	7	3	79	3	0	85	10	7	7	0	24	328
08:15	11	194	7	0	212	0	4	10	0	14	4	57	4	0	65	10	10	10	0	30	321
Total Volume	46	715	28	0	789	2	11	18	0	31	10	307	9	0	326	41	28	26	0	95	1241
% App. Total	5.8	90.6	3.5	0		6.5	35.5	58.1	0		3.1	94.2	2.8	0		43.2	29.5	27.4	0		
PHF	.767	.921	.778	.000	.930	.250	.688	.450	.000	.554	.625	.745	.563	.000	.755	.932	.700	.650	.000	.792	.943



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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 15:00																					
15:00	10	88	5	0	103	2	5	17	0	24	5	199	4	0	208	5	4	4	0	13	348
15:15	16	109	10	0	135	2	7	14	0	23	11	131	3	0	145	8	7	4	0	19	322
15:30	20	84	8	2	114	0	7	18	0	25	6	191	2	0	199	4	5	0	0	9	347
15:45	14	95	9	0	118	2	4	11	1	18	2	181	2	0	185	6	5	5	0	16	337
Total Volume	60	376	32	2	470	6	23	60	1	90	24	702	11	0	737	23	21	13	0	57	1354
% App. Total	12.8	80	6.8	0.4		6.7	25.6	66.7	1.1		3.3	95.3	1.5	0		40.4	36.8	22.8	0		
PHF	.750	.862	.800	.250	.870	.750	.821	.833	.250	.900	.545	.882	.688	.000	.886	.719	.750	.650	.000	.750	.973

