

Alliant Engineering Inc Minneapolis, MN 55415

Rockford Rd / CSAH-9 at Dunkirk Lane

Ref.Pt.:

Alliant Engineering Inc

TURN MOVEMENT COUNT

File Name : 38_CR 24 at Dunkirk Lane_012511

Site Code : 00000038

Start Date : 1/25/2011

Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	CSAH-9 / Rockford Rd Southbound				36th Ave N Westbound				CSAH-9 / Rockford Rd Northbound				Dunkirk Lane N Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	1	31	1	0	0	0	0	0	0	19	4	0	1	1	7	0	65
06:15	1	37	1	0	2	1	0	0	1	26	5	0	9	2	23	0	108
06:30	0	45	2	1	8	3	1	0	0	36	5	0	4	3	15	0	123
06:45	2	41	0	0	4	4	0	0	0	46	10	0	6	5	29	0	147
Total	4	154	4	1	14	8	1	0	1	127	24	0	20	11	74	0	443
07:00	0	58	5	0	3	8	1	0	25	49	5	0	3	11	44	0	212
07:15	3	75	1	1	2	1	1	0	6	67	8	0	9	11	54	0	239
07:30	2	81	3	0	0	2	0	0	6	104	7	0	8	23	51	0	287
07:45	2	102	6	0	4	3	0	0	8	89	24	0	14	32	47	0	331
Total	7	316	15	1	9	14	2	0	45	309	44	0	34	77	196	0	1069
08:00	5	80	3	0	8	5	0	0	11	64	13	0	4	13	54	0	260
08:15	4	73	2	0	3	6	1	0	16	70	18	0	9	7	24	0	233
08:30	5	54	3	0	4	1	1	0	9	61	11	0	3	7	21	0	180
08:45	3	59	4	1	6	0	0	0	4	43	12	0	6	11	24	0	173
Total	17	266	12	1	21	12	2	0	40	238	54	0	22	38	123	0	846
09:00	4	40	3	0	10	7	0	0	7	56	16	0	2	12	37	0	194
09:15	3	28	1	0	7	8	0	0	11	27	8	0	5	1	11	0	110
*** BREAK ***																	
Total	7	68	4	0	17	15	0	0	18	83	24	0	7	13	48	0	304
*** BREAK ***																	
10:30	0	31	3	0	8	3	1	0	9	32	12	0	1	7	12	0	119
10:45	1	38	1	0	13	8	1	0	6	26	14	0	2	3	11	0	124
Total	1	69	4	0	21	11	2	0	15	58	26	0	3	10	23	0	243
11:00	2	25	1	0	11	5	1	0	8	38	11	0	3	3	8	0	116
11:15	2	39	2	0	17	5	2	0	7	27	10	0	5	7	10	0	133
11:30	0	30	5	0	21	6	2	0	7	40	13	0	1	7	7	0	139
11:45	0	43	6	0	17	6	3	0	14	51	14	0	1	2	14	0	171
Total	4	137	14	0	66	22	8	0	36	156	48	0	10	19	39	0	559
12:00	0	42	2	0	12	7	0	0	13	45	12	0	6	4	12	0	155
12:15	1	42	4	0	11	12	3	2	12	31	13	0	0	2	11	0	144
12:30	2	47	3	0	15	2	2	0	9	52	13	0	4	4	4	0	157
12:45	1	44	4	0	8	8	1	1	10	33	13	0	2	3	8	0	136
Total	4	175	13	0	46	29	6	3	44	161	51	0	12	13	35	0	592
13:00	1	50	2	0	9	5	2	0	14	51	12	0	1	3	11	0	161
13:15	1	49	5	0	8	5	1	0	11	39	16	0	3	9	19	0	166
*** BREAK ***																	
Total	2	99	7	0	17	10	3	0	25	90	28	0	4	12	30	0	327
*** BREAK ***																	
14:30	1	52	1	0	8	11	0	0	11	64	11	0	4	4	12	0	179
14:45	2	67	0	2	13	4	0	0	21	42	13	0	3	8	17	0	192
Total	3	119	1	2	21	15	0	0	32	106	24	0	7	12	29	0	371
15:00	3	69	6	0	14	5	0	0	13	73	15	0	3	6	11	0	218
15:15	0	53	4	0	8	7	0	0	13	44	11	0	1	7	14	0	162
15:30	0	49	5	0	18	14	2	0	26	65	13	0	5	5	20	0	222
15:45	1	70	3	0	18	10	0	0	28	73	19	0	5	10	16	0	253
Total	4	241	18	0	58	36	2	0	80	255	58	0	14	28	61	0	855

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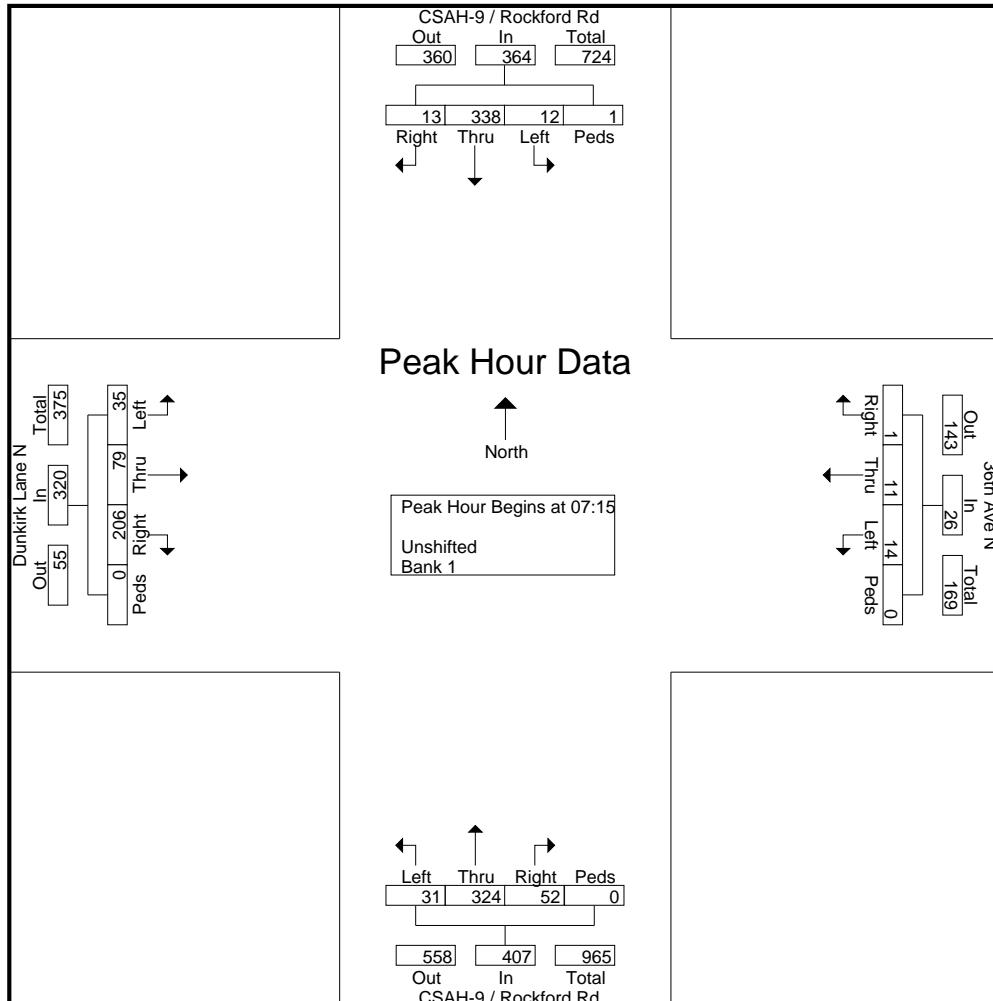
Start Time	CSAH-9 / Rockford Rd Southbound				36th Ave N Westbound				CSAH-9 / Rockford Rd Northbound				Dunkirk Lane N Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	0	77	6	0	14	11	2	0	33	96	10	0	3	11	11	0	274
16:15	2	78	7	0	24	7	4	0	32	80	13	0	6	8	22	0	283
16:30	2	86	6	0	26	13	3	0	27	107	14	0	4	12	15	0	315
16:45	0	78	8	0	29	12	4	0	42	92	14	0	3	12	22	0	316
Total	4	319	27	0	93	43	13	0	134	375	51	0	16	43	70	0	1188
17:00	2	114	4	0	25	12	9	1	45	104	14	0	5	13	13	0	361
17:15	1	111	12	0	29	17	6	0	40	91	12	0	4	12	26	0	361
17:30	1	86	7	0	26	19	1	0	37	92	10	0	6	11	23	0	319
17:45	2	85	7	0	26	22	3	0	47	61	15	0	7	13	14	0	302
Total	6	396	30	0	106	70	19	1	169	348	51	0	22	49	76	0	1343
Grand Total	63	2359	149	5	489	285	58	4	639	2306	483	0	171	325	804	0	8140
Apprch %	2.4	91.6	5.8	0.2	58.5	34.1	6.9	0.5	18.6	67.3	14.1	0	13.2	25	61.8	0	
Total %	0.8	29	1.8	0.1	6	3.5	0.7	0	7.9	28.3	5.9	0	2.1	4	9.9	0	
Unshifted	63	2294	136	5	480	273	57	4	622	2249	477	0	162	317	776	0	7915
% Unshifted	100	97.2	91.3	100	98.2	95.8	98.3	100	97.3	97.5	98.8	0	94.7	97.5	96.5	0	97.2
Bank 1	0	65	13	0	9	12	1	0	17	57	6	0	9	8	28	0	225
% Bank 1	0	2.8	8.7	0	1.8	4.2	1.7	0	2.7	2.5	1.2	0	5.3	2.5	3.5	0	2.8

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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 07:15																					
07:15	3	75	1	1	80	2	1	1	0	4	6	67	8	0	81	9	11	54	0	74	239
07:30	2	81	3	0	86	0	2	0	0	2	6	104	7	0	117	8	23	51	0	82	287
07:45	2	102	6	0	110	4	3	0	0	7	8	89	24	0	121	14	32	47	0	93	331
08:00	5	80	3	0	88	8	5	0	0	13	11	64	13	0	88	4	13	54	0	71	260
Total Volume	12	338	13	1	364	14	11	1	0	26	31	324	52	0	407	35	79	206	0	320	1117
% App. Total	3.3	92.9	3.6	0.3		53.8	42.3	3.8	0		7.6	79.6	12.8	0		10.9	24.7	64.4	0		
PHF	.600	.828	.542	.250	.827	.438	.550	.250	.000	.500	.705	.779	.542	.000	.841	.625	.617	.954	.000	.860	.844



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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	0	78	8	0	86	29	12	4	0	45	42	92	14	0	148	3	12	22	0	37	316
17:00	2	114	4	0	120	25	12	9	1	47	45	104	14	0	163	5	13	13	0	31	361
17:15	1	111	12	0	124	29	17	6	0	52	40	91	12	0	143	4	12	26	0	42	361
17:30	1	86	7	0	94	26	19	1	0	46	37	92	10	0	139	6	11	23	0	40	319
Total Volume	4	389	31	0	424	109	60	20	1	190	164	379	50	0	593	18	48	84	0	150	1357
% App. Total	0.9	91.7	7.3	0		57.4	31.6	10.5	0.5		27.7	63.9	8.4	0		12	32	56	0		
PHF	.500	.853	.646	.000	.855	.940	.789	.556	.250	.913	.911	.911	.893	.000	.910	.750	.923	.808	.000	.893	.940

