

Alliant Engineering Inc Minneapolis, MN 55415

TH-3 / S Robert Trail at Red Pine Lane
 Ref.Pt.: 036.131
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 21_TH 3 at Red Pine Ln_022510
 Site Code : 00000021
 Start Date : 2/25/2010
 Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Robert Trail S (TH 3) Southbound				Red Pine Lane Westbound				Robert Trail S (TH 3) Northbound				Red Pine Lane Eastbound				Int. Total	
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds		
06:00	4	12	0	0	1	2	2	0	0	95	0	0	0	0	0	0	0	116
06:15	2	23	0	0	4	2	5	0	1	115	1	0	0	1	4	0	0	158
06:30	3	26	0	0	8	10	8	0	0	166	4	0	1	0	4	0	0	230
06:45	4	64	0	0	7	9	26	0	4	215	12	0	1	0	3	0	0	345
Total	13	125	0	0	20	23	41	0	5	591	17	0	2	1	11	0	0	849
07:00	4	82	0	0	12	25	18	0	3	236	10	0	0	3	6	0	0	399
07:15	5	68	1	0	9	7	18	0	9	262	13	0	0	2	8	0	0	402
07:30	7	81	0	0	11	13	19	0	5	225	6	0	1	2	6	0	0	376
07:45	14	85	0	0	12	8	11	0	2	239	10	0	0	6	7	0	0	394
Total	30	316	1	0	44	53	66	0	19	962	39	0	1	13	27	0	0	1571
08:00	16	67	0	0	7	4	11	0	3	180	19	0	0	7	2	0	0	316
08:15	13	49	0	0	4	2	10	0	3	153	11	0	0	2	1	0	0	248
08:30	5	37	0	0	8	1	9	0	2	125	7	0	1	0	0	0	0	195
08:45	8	54	1	0	4	0	14	0	1	115	13	0	0	1	2	0	0	213
Total	42	207	1	0	23	7	44	0	9	573	50	0	1	10	5	0	0	972
09:00	15	51	0	0	11	2	25	0	1	107	25	0	0	8	1	0	0	246
09:15	17	70	0	0	39	7	37	0	3	86	17	0	0	4	3	0	0	283
*** BREAK ***																		
Total	32	121	0	0	50	9	62	0	4	193	42	0	0	12	4	0	0	529
*** BREAK ***																		
10:30	5	46	0	0	4	1	3	0	0	55	4	0	0	3	2	0	0	123
10:45	5	45	0	0	3	0	6	0	1	55	6	0	0	1	1	0	0	123
Total	10	91	0	0	7	1	9	0	1	110	10	0	0	4	3	0	0	246
11:00	7	42	0	0	1	8	9	0	4	55	3	0	0	1	3	0	0	133
11:15	1	66	0	0	6	0	5	0	1	52	4	0	0	0	3	0	0	138
11:30	5	49	2	0	2	3	6	0	1	64	8	0	0	2	2	0	0	144
11:45	13	49	0	0	7	0	8	0	2	40	4	0	0	0	2	0	0	125
Total	26	206	2	0	16	11	28	0	8	211	19	0	0	3	10	0	0	540
12:00	7	44	0	0	9	4	11	0	1	61	9	0	0	3	2	0	0	151
12:15	7	78	0	0	10	2	3	0	1	57	5	0	0	2	1	0	0	166
12:30	6	92	1	0	6	3	3	0	3	63	7	0	0	0	2	0	0	186
12:45	4	82	0	0	12	2	15	0	1	68	5	0	0	2	4	0	0	195
Total	24	296	1	0	37	11	32	0	6	249	26	0	0	7	9	0	0	698
13:00	10	51	1	0	12	0	9	0	2	62	10	0	0	3	3	0	0	163
13:15	4	64	0	0	6	1	9	0	0	59	7	0	0	4	2	0	0	156
*** BREAK ***																		
Total	14	115	1	0	18	1	18	0	2	121	17	0	0	7	5	0	0	319
*** BREAK ***																		
14:30	6	102	1	0	5	2	2	0	3	100	12	0	0	8	5	0	0	246
14:45	13	126	2	0	3	3	10	0	2	72	2	0	1	5	1	0	0	240
Total	19	228	3	0	8	5	12	0	5	172	14	0	1	13	6	0	0	486
15:00	4	103	1	0	7	3	10	0	4	83	7	0	0	8	3	0	0	233
15:15	24	118	0	0	4	2	5	1	2	76	16	1	0	6	8	0	0	263
15:30	12	130	2	0	8	2	13	0	1	80	11	0	0	5	7	0	0	271
15:45	7	177	1	0	15	5	29	0	4	80	11	0	2	5	5	0	0	341
Total	47	528	4	0	34	12	57	1	11	319	45	1	2	24	23	0	0	1108

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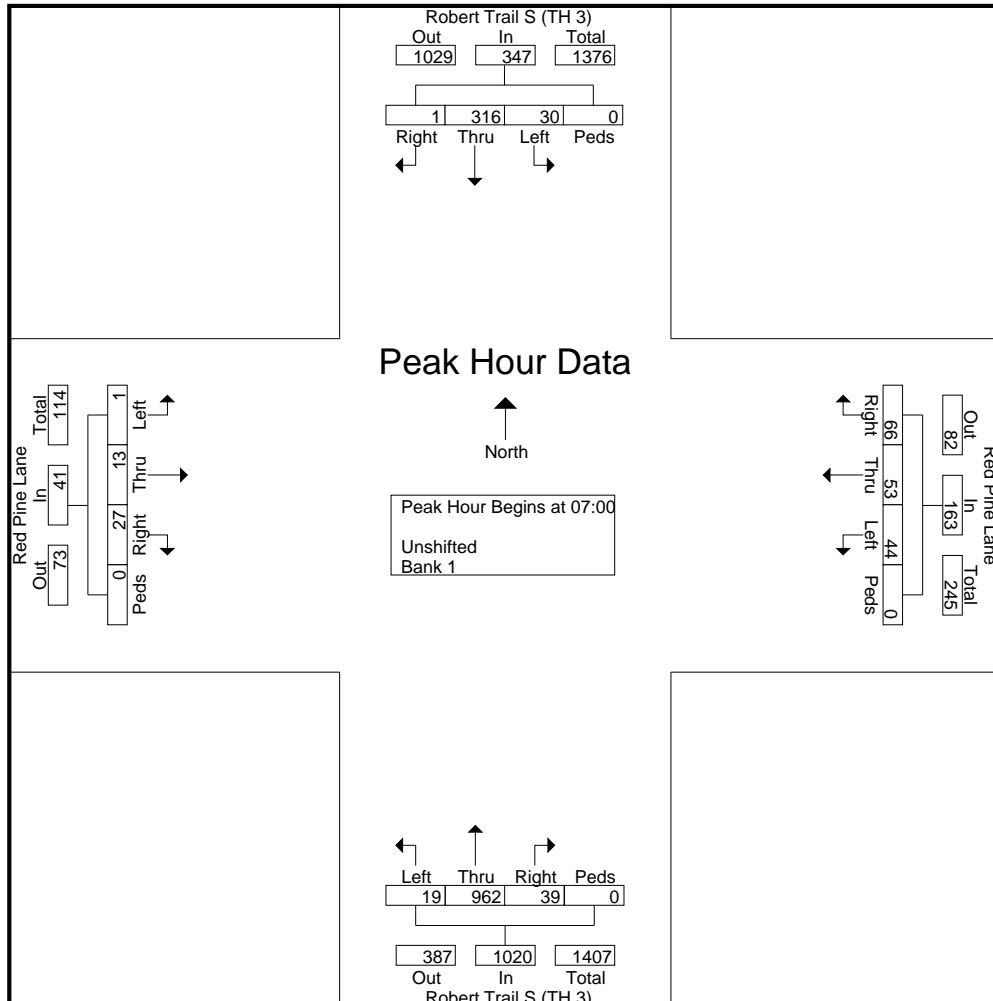
Start Time	Robert Trail S (TH 3) Southbound				Red Pine Lane Westbound				Robert Trail S (TH 3) Northbound				Red Pine Lane Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	14	161	0	0	13	3	11	0	4	81	14	0	0	5	11	0	317
16:15	20	207	3	0	23	3	15	0	4	70	30	0	0	10	12	0	397
16:30	16	221	1	0	44	17	22	0	3	92	13	0	0	6	8	0	443
16:45	10	240	3	0	15	8	31	0	4	88	13	0	3	6	11	0	432
Total	60	829	7	0	95	31	79	0	15	331	70	0	3	27	42	0	1589
17:00	11	217	1	0	9	3	14	0	5	89	13	0	2	9	10	0	383
17:15	12	246	4	0	13	3	7	0	3	85	10	0	0	12	13	0	408
17:30	15	229	1	0	9	0	13	0	2	110	10	0	0	12	7	0	408
17:45	24	191	3	1	12	3	12	0	4	72	10	0	0	6	6	0	344
Total	62	883	9	1	43	9	46	0	14	356	43	0	2	39	36	0	1543
Grand Total	379	3945	29	1	395	173	494	1	99	4188	392	1	12	160	181	0	10450
Apprch %	8.7	90.6	0.7	0	37.2	16.3	46.5	0.1	2.1	89.5	8.4	0	3.4	45.3	51.3	0	
Total %	3.6	37.8	0.3	0	3.8	1.7	4.7	0	0.9	40.1	3.8	0	0.1	1.5	1.7	0	
Unshifted	361	3824	29	1	368	170	482	1	96	4090	380	1	12	158	178	0	10151
% Unshifted	95.3	96.9	100	100	93.2	98.3	97.6	100	97	97.7	96.9	100	100	98.8	98.3	0	97.1
Bank 1	18	121	0	0	27	3	12	0	3	98	12	0	0	2	3	0	299
% Bank 1	4.7	3.1	0	0	6.8	1.7	2.4	0	3	2.3	3.1	0	0	1.2	1.7	0	2.9

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 Page No : 3

Start Time	Robert Trail S (TH 3) Southbound					Red Pine Lane Westbound					Robert Trail S (TH 3) Northbound					Red Pine Lane Eastbound					Int. Total
	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 07:00																					
07:00	4	82	0	0	86	12	25	18	0	55	3	236	10	0	249	0	3	6	0	9	399
07:15	5	68	1	0	74	9	7	18	0	34	9	262	13	0	284	0	2	8	0	10	402
07:30	7	81	0	0	88	11	13	19	0	43	5	225	6	0	236	1	2	6	0	9	376
07:45	14	85	0	0	99	12	8	11	0	31	2	239	10	0	251	0	6	7	0	13	394
Total Volume	30	316	1	0	347	44	53	66	0	163	19	962	39	0	1020	1	13	27	0	41	1571
% App. Total	8.6	91.1	0.3	0		27	32.5	40.5	0		1.9	94.3	3.8	0		2.4	31.7	65.9	0		
PHF	.536	.929	.250	.000	.876	.917	.530	.868	.000	.741	.528	.918	.750	.000	.898	.250	.542	.844	.000	.788	.977



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Start Time	Robert Trail S (TH 3) Southbound					Red Pine Lane Westbound					Robert Trail S (TH 3) Northbound					Red Pine Lane Eastbound					Int. Total
	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 15:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	16	221	1	0	238	44	17	22	0	83	3	92	13	0	108	0	6	8	0	14	443
16:45	10	240	3	0	253	15	8	31	0	54	4	88	13	0	105	3	6	11	0	20	432
17:00	11	217	1	0	229	9	3	14	0	26	5	89	13	0	107	2	9	10	0	21	383
17:15	12	246	4	0	262	13	3	7	0	23	3	85	10	0	98	0	12	13	0	25	408
Total Volume	49	924	9	0	982	81	31	74	0	186	15	354	49	0	418	5	33	42	0	80	1666
% App. Total	5	94.1	0.9	0		43.5	16.7	39.8	0		3.6	84.7	11.7	0		6.2	41.2	52.5	0		
PHF	.766	.939	.563	.000	.937	.460	.456	.597	.000	.560	.750	.962	.942	.000	.968	.417	.688	.808	.000	.800	.940

