

Alliant Engineering Inc Minneapolis, MN 55415

Co.Rd. 101 at Hutchins Drive
Ref.Pt.:
Alliant Engineering Inc.
TURN MOVEMENT COUNT

File Name : 7_CR 101 at Hutchins Dr_011211
Site Code : 00000007
Start Date : 1/12/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Co.Rd. 101 Southbound				Hutchins Dr Westbound				Co.Rd. 101 Northbound				Hutchins Dr Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	0	23	2	1	1	1	0	0	3	35	0	0	6	1	0	0	73
06:15	0	37	1	0	0	0	0	0	1	24	0	0	2	0	0	0	65
06:30	1	43	8	0	0	1	0	0	2	61	1	0	9	0	0	0	126
06:45	1	77	20	0	2	0	0	0	5	64	3	0	6	0	3	0	181
Total	2	180	31	1	3	2	0	0	11	184	4	0	23	1	3	0	445
07:00	4	75	23	0	2	0	0	0	4	99	5	0	15	1	1	0	229
07:15	4	118	21	0	1	1	4	0	5	139	4	0	32	1	3	0	333
07:30	6	151	26	0	2	2	2	0	11	145	7	0	40	1	1	0	394
07:45	9	184	55	0	2	2	3	0	24	199	8	0	43	1	5	0	535
Total	23	528	125	0	7	5	9	0	44	582	24	0	130	4	10	0	1491
08:00	9	137	28	1	3	2	6	1	7	204	8	0	55	4	5	0	470
08:15	7	120	16	0	1	0	1	0	5	147	3	0	10	0	3	0	313
08:30	6	108	14	0	3	0	4	0	14	152	4	0	8	0	2	0	315
08:45	8	97	23	0	2	0	1	0	17	158	3	1	14	0	3	0	327
Total	30	462	81	1	9	2	12	1	43	661	18	1	87	4	13	0	1425
09:00	4	80	13	0	0	0	5	0	9	122	7	0	17	1	6	0	264
09:15	7	82	15	0	2	1	4	0	7	96	4	0	16	5	6	0	245
*** BREAK ***																	
Total	11	162	28	0	2	1	9	0	16	218	11	0	33	6	12	0	509
*** BREAK ***																	
10:30	6	64	12	1	3	0	8	0	3	78	7	0	23	1	2	0	208
10:45	12	74	11	0	4	1	7	0	8	78	8	0	18	2	6	0	229
Total	18	138	23	1	7	1	15	0	11	156	15	0	41	3	8	0	437
11:00	7	71	9	0	5	2	7	0	8	86	5	0	28	3	12	1	244
11:15	10	92	9	0	5	2	7	0	5	95	2	0	29	4	7	1	268
11:30	9	82	14	0	8	2	12	0	14	82	4	0	22	1	4	0	254
11:45	15	93	10	0	7	6	10	0	15	112	2	0	33	4	10	0	317
Total	41	338	42	0	25	12	36	0	42	375	13	0	112	12	33	2	1083
12:00	13	71	14	0	6	5	17	1	12	89	6	0	40	4	6	1	285
12:15	12	93	13	0	4	2	14	0	9	92	5	2	41	2	14	1	304
12:30	10	86	17	0	4	4	16	0	13	98	10	1	40	4	18	1	322
12:45	18	103	15	0	4	2	16	0	11	95	6	4	21	3	16	0	314
Total	53	353	59	0	18	13	63	1	45	374	27	7	142	13	54	3	1225
13:00	16	67	13	1	4	4	10	0	11	105	3	1	27	3	10	0	275
13:15	12	84	14	0	2	1	9	0	8	88	5	1	30	3	6	1	264
*** BREAK ***																	
Total	28	151	27	1	6	5	19	0	19	193	8	2	57	6	16	1	539
*** BREAK ***																	
14:30	1	15	7	0	1	1	2	0	0	14	4	0	4	2	1	0	52
14:45	11	116	18	0	5	1	8	0	10	107	3	0	42	2	5	0	328
Total	12	131	25	0	6	2	10	0	10	121	7	0	46	4	6	0	380
15:00	9	129	19	0	2	2	10	0	12	155	1	1	99	3	14	0	456
15:15	13	139	17	0	5	0	6	0	12	147	3	0	51	1	15	0	409
15:30	8	134	16	0	4	0	4	0	10	138	2	0	38	3	8	0	365
15:45	2	110	16	0	7	1	9	0	13	188	10	0	35	2	12	0	405
Total	32	512	68	0	18	3	29	0	47	628	16	1	223	9	49	0	1635

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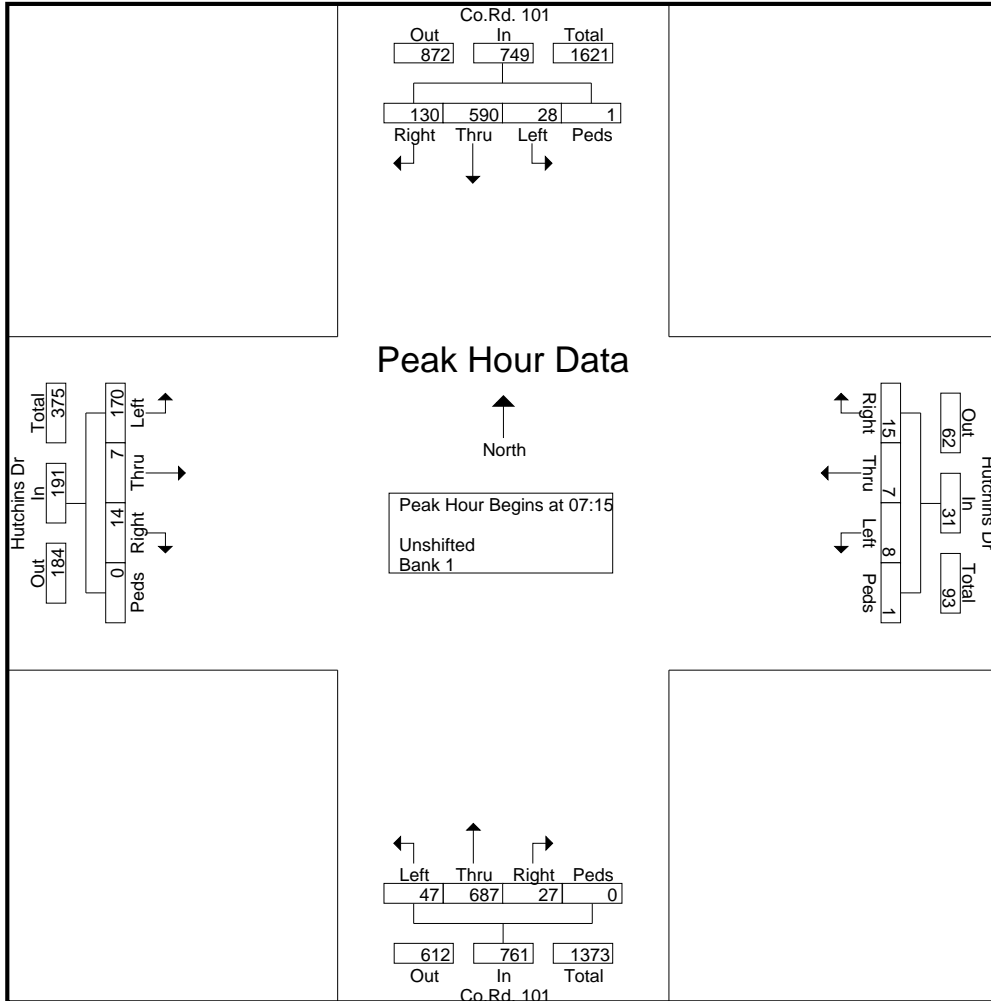
Start Time	Co.Rd. 101 Southbound				Hutchins Dr Westbound				Co.Rd. 101 Northbound				Hutchins Dr Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	5	110	6	0	1	0	5	0	14	158	2	0	40	0	6	0	347
16:15	12	129	16	0	5	0	7	0	16	167	3	0	56	1	12	0	424
16:30	7	148	11	0	3	0	10	0	14	183	3	0	45	0	10	0	434
16:45	10	178	12	0	5	2	11	0	6	173	3	0	40	0	8	0	448
Total	34	565	45	0	14	2	33	0	50	681	11	0	181	1	36	0	1653
17:00	7	136	16	0	4	0	8	0	10	206	2	0	54	0	14	0	457
17:15	9	187	20	0	7	1	17	0	12	184	3	0	75	0	15	0	530
17:30	5	154	11	0	9	0	18	0	8	211	3	0	39	1	14	0	473
17:45	8	159	16	0	4	2	15	0	12	230	5	0	53	0	17	0	521
Total	29	636	63	0	24	3	58	0	42	831	13	0	221	1	60	0	1981
Grand Total	313	4156	617	4	139	51	293	2	380	5004	167	11	1296	64	300	6	12803
Apprch %	6.1	81.7	12.1	0.1	28.7	10.5	60.4	0.4	6.8	90	3	0.2	77.8	3.8	18	0.4	
Total %	2.4	32.5	4.8	0	1.1	0.4	2.3	0	3	39.1	1.3	0.1	10.1	0.5	2.3	0	
Unshifted	303	4032	591	4	133	49	282	1	374	4871	160	11	1249	58	295	6	12419
% Unshifted	96.8	97	95.8	100	95.7	96.1	96.2	50	98.4	97.3	95.8	100	96.4	90.6	98.3	100	97
Bank 1	10	124	26	0	6	2	11	1	6	133	7	0	47	6	5	0	384
% Bank 1	3.2	3	4.2	0	4.3	3.9	3.8	50	1.6	2.7	4.2	0	3.6	9.4	1.7	0	3

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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	4	118	21	0	143	1	1	4	0	6	5	139	4	0	148	32	1	3	0	36	333
07:30	6	151	26	0	183	2	2	2	0	6	11	145	7	0	163	40	1	1	0	42	394
07:45	9	184	55	0	248	2	2	3	0	7	24	199	8	0	231	43	1	5	0	49	535
08:00	9	137	28	1	175	3	2	6	1	12	7	204	8	0	219	55	4	5	0	64	470
Total Volume	28	590	130	1	749	8	7	15	1	31	47	687	27	0	761	170	7	14	0	191	1732
% App. Total	3.7	78.8	17.4	0.1		25.8	22.6	48.4	3.2		6.2	90.3	3.5	0		89	3.7	7.3	0		
PHF	.778	.802	.591	.250	.755	.667	.875	.625	.250	.646	.490	.842	.844	.000	.824	.773	.438	.700	.000	.746	.809



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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 17:00																					
17:00	7	136	16	0	159	4	0	8	0	12	10	206	2	0	218	54	0	14	0	68	457
17:15	9	187	20	0	216	7	1	17	0	25	12	184	3	0	199	75	0	15	0	90	530
17:30	5	154	11	0	170	9	0	18	0	27	8	211	3	0	222	39	1	14	0	54	473
17:45	8	159	16	0	183	4	2	15	0	21	12	230	5	0	247	53	0	17	0	70	521
Total Volume	29	636	63	0	728	24	3	58	0	85	42	831	13	0	886	221	1	60	0	282	1981
% App. Total	4	87.4	8.7	0		28.2	3.5	68.2	0		4.7	93.8	1.5	0		78.4	0.4	21.3	0		
PHF	.806	.850	.788	.000	.843	.667	.375	.806	.000	.787	.875	.903	.650	.000	.897	.737	.250	.882	.000	.783	.934

