

Alliant Engineering Inc Minneapolis, MN 55415

CSAH-101 at Seven Hi Lane / Cub -Target
 Ref.Pt.: 7 - HI Shopping Center
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 9_CR 101 at Cub_Target_020211
 Site Code : 00000009
 Start Date : 1/12/2011
 Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	CSAH-101 Southbound				Cub/Super Target entrance Westbound				CSAH-101 Northbound				Seven Hi Lane Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	1	16	0	0	8	0	4	0	4	19	7	0	0	0	3	0	62
06:15	1	26	0	0	7	1	2	0	4	22	5	0	1	1	2	0	72
06:30	4	39	0	0	5	0	5	1	3	31	12	0	0	0	3	0	103
06:45	4	60	1	0	10	2	4	0	9	43	12	0	1	0	2	0	148
Total	10	141	1	0	30	3	15	1	20	115	36	0	2	1	10	0	385
07:00	9	58	1	0	13	0	5	0	6	81	20	0	2	0	2	0	197
07:15	8	85	1	0	18	2	8	0	9	86	24	0	2	1	2	0	246
07:30	18	134	3	0	16	1	6	0	9	101	29	0	1	0	5	0	323
07:45	10	125	2	0	19	0	7	0	16	152	32	0	1	0	8	0	372
Total	45	402	7	0	66	3	26	0	40	420	105	0	6	1	17	0	1138
08:00	19	76	0	0	11	1	13	0	9	122	29	0	6	1	3	0	290
08:15	10	85	5	0	31	3	7	0	18	115	24	0	6	0	6	1	311
08:30	15	103	6	0	18	2	10	0	19	95	31	0	9	1	10	0	319
08:45	17	85	7	0	14	0	6	0	29	101	26	0	10	0	10	0	305
Total	61	349	18	0	74	6	36	0	75	433	110	0	31	2	29	1	1225
09:00	16	73	5	0	24	4	4	0	23	83	30	0	13	2	7	0	284
09:15	10	64	5	0	32	4	7	0	31	62	34	0	12	3	21	0	285
*** BREAK ***																	
Total	26	137	10	0	56	8	11	0	54	145	64	0	25	5	28	0	569
*** BREAK ***																	
10:30	18	56	6	0	35	5	10	0	24	41	33	1	8	9	30	0	276
10:45	26	65	5	0	52	10	18	1	17	60	46	0	9	10	21	0	340
Total	44	121	11	0	87	15	28	1	41	101	79	1	17	19	51	0	616
11:00	22	37	6	0	35	11	7	0	29	54	29	0	24	8	20	0	282
11:15	30	58	9	0	43	7	21	0	23	74	31	1	17	8	31	0	353
11:30	29	79	13	0	61	13	15	0	52	67	32	0	28	8	25	0	422
11:45	36	84	24	1	60	12	7	0	65	80	46	0	14	2	32	0	463
Total	117	258	52	1	199	43	50	0	169	275	138	1	83	26	108	0	1520
12:00	20	61	7	0	63	9	22	0	30	76	47	0	37	13	37	0	422
12:15	45	70	12	0	57	3	14	0	48	88	48	0	24	15	37	0	461
12:30	23	66	13	0	62	11	19	0	32	61	32	0	28	14	27	0	388
12:45	43	59	15	1	49	16	15	0	34	71	50	0	28	23	32	0	436
Total	131	256	47	1	231	39	70	0	144	296	177	0	117	65	133	0	1707
13:00	34	56	10	0	64	7	13	0	34	64	45	0	31	11	30	0	399
13:15	44	59	5	0	53	23	33	0	32	81	43	0	19	8	25	0	425
*** BREAK ***																	
Total	78	115	15	0	117	30	46	0	66	145	88	0	50	19	55	0	824
*** BREAK ***																	
14:30	31	82	10	0	54	12	13	0	23	53	31	0	23	9	33	0	374
14:45	33	84	9	0	59	11	21	1	37	126	33	0	20	9	34	0	477
Total	64	166	19	0	113	23	34	1	60	179	64	0	43	18	67	0	851
15:00	11	84	14	0	53	5	23	0	35	82	26	1	21	10	41	0	406
15:15	26	62	12	0	65	8	23	3	28	76	28	0	17	12	54	1	415
15:30	31	58	14	0	65	12	22	0	28	117	29	0	29	11	29	0	445
15:45	25	81	14	0	61	14	30	3	37	109	23	0	17	15	31	0	460
Total	93	285	54	0	244	39	98	6	128	384	106	1	84	48	155	1	1726

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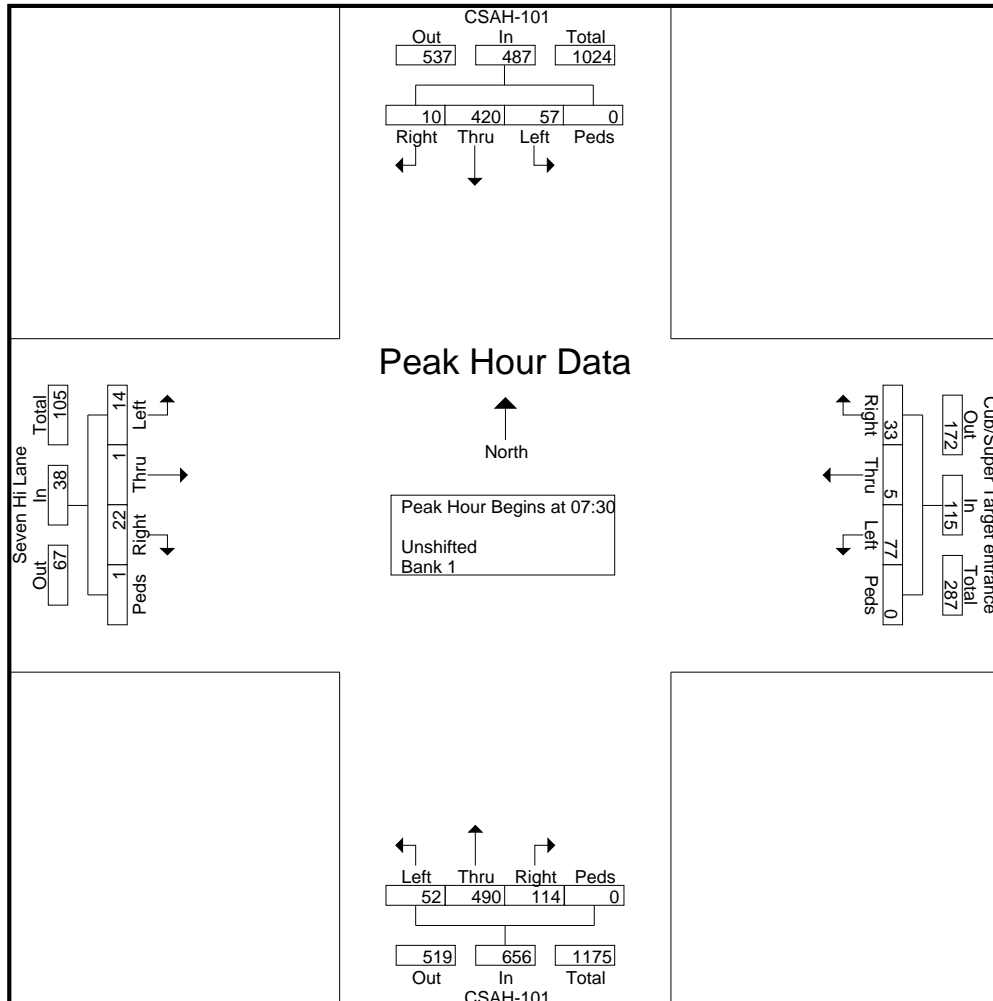
Start Time	CSAH-101 Southbound				Cub/Super Target entrance Westbound				CSAH-101 Northbound				Seven Hi Lane Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	46	124	13	0	78	13	19	1	43	105	20	0	26	15	31	0	534
16:15	34	94	18	0	60	5	36	0	41	95	40	1	14	13	29	0	480
16:30	24	104	17	0	53	15	22	0	47	116	17	0	27	8	19	0	469
16:45	26	92	7	0	53	6	22	0	51	136	33	0	26	7	18	0	477
Total	130	414	55	0	244	39	99	1	182	452	110	1	93	43	97	0	1960
17:00	29	120	8	0	40	20	27	0	45	132	22	0	26	8	28	0	505
17:15	16	120	11	0	33	21	12	0	36	169	12	0	23	9	25	1	488
17:30	26	105	12	0	62	23	23	1	38	177	9	0	34	28	30	1	569
17:45	28	95	4	0	55	26	21	0	44	135	11	0	42	28	26	0	515
Total	99	440	35	0	190	90	83	1	163	613	54	0	125	73	109	2	2077
Grand Total	898	3084	324	2	1651	338	596	11	1142	3558	1131	4	676	320	859	4	14598
Apprch %	20.8	71.6	7.5	0	63.6	13	23	0.4	19.6	61	19.4	0.1	36.4	17.2	46.2	0.2	
Total %	6.2	21.1	2.2	0	11.3	2.3	4.1	0.1	7.8	24.4	7.7	0	4.6	2.2	5.9	0	
Unshifted	889	3007	323	2	1632	335	590	11	1136	3489	1116	4	673	319	855	4	14385
% Unshifted	99	97.5	99.7	100	98.8	99.1	99	100	99.5	98.1	98.7	100	99.6	99.7	99.5	100	98.5
Bank 1	9	77	1	0	19	3	6	0	6	69	15	0	3	1	4	0	213
% Bank 1	1	2.5	0.3	0	1.2	0.9	1	0	0.5	1.9	1.3	0	0.4	0.3	0.5	0	1.5

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Start Time	CSAH-101 Southbound					Cub/Super Target entrance Westbound					CSAH-101 Northbound					Seven Hi 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 07:30																					
07:30	18	134	3	0	155	16	1	6	0	23	9	101	29	0	139	1	0	5	0	6	323
07:45	10	125	2	0	137	19	0	7	0	26	16	152	32	0	200	1	0	8	0	9	372
08:00	19	76	0	0	95	11	1	13	0	25	9	122	29	0	160	6	1	3	0	10	290
08:15	10	85	5	0	100	31	3	7	0	41	18	115	24	0	157	6	0	6	1	13	311
Total Volume	57	420	10	0	487	77	5	33	0	115	52	490	114	0	656	14	1	22	1	38	1296
% App. Total	11.7	86.2	2.1	0		67	4.3	28.7	0		7.9	74.7	17.4	0		36.8	2.6	57.9	2.6		
PHF	.750	.784	.500	.000	.785	.621	.417	.635	.000	.701	.722	.806	.891	.000	.820	.583	.250	.688	.250	.731	.871



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Start Time	CSAH-101 Southbound					Cub/Super Target entrance Westbound					CSAH-101 Northbound					Seven Hi 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 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:00																					
17:00	29	120	8	0	157	40	20	27	0	87	45	132	22	0	199	26	8	28	0	62	505
17:15	16	120	11	0	147	33	21	12	0	66	36	169	12	0	217	23	9	25	1	58	488
17:30	26	105	12	0	143	62	23	23	1	109	38	177	9	0	224	34	28	30	1	93	569
17:45	28	95	4	0	127	55	26	21	0	102	44	135	11	0	190	42	28	26	0	96	515
Total Volume	99	440	35	0	574	190	90	83	1	364	163	613	54	0	830	125	73	109	2	309	2077
% App. Total	17.2	76.7	6.1	0		52.2	24.7	22.8	0.3		19.6	73.9	6.5	0		40.5	23.6	35.3	0.6		
PHF	.853	.917	.729	.000	.914	.766	.865	.769	.250	.835	.906	.866	.614	.926	.744	.652	.908	.500	.805	.913	

