

# Alliant Engineering Inc Minneapolis, MN 55415

CSAH-101 at Excelsior Blvd / CSAH-3

Ref.Pt.:

Alliant Engineering Inc

TURN MOVEMENT COUNT

File Name : 6\_CR 101 at Excelsior Blvd\_011311

Site Code : 00000006

Start Date : 1/13/2011

Page No : 1

### Groups Printed- Unshifted - Bank 1

Start Time	CSAH-101 Southbound				Excelsior Blvd / CSAH-3 Westbound				CSAH-101 Northbound				Excelsior Blvd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	7	7	6	0	1	3	10	0	2	20	3	0	6	4	0	0	69
06:15	6	15	7	0	5	4	10	0	3	27	5	0	3	5	2	0	92
06:30	11	26	11	0	4	9	13	0	13	46	10	0	5	8	3	0	159
06:45	12	29	33	0	4	24	14	0	27	49	8	0	18	17	10	0	245
Total	36	77	57	0	14	40	47	0	45	142	26	0	32	34	15	0	565
07:00	20	47	39	0	8	38	22	0	60	83	7	0	43	21	33	0	421
07:15	32	42	48	0	14	44	29	0	48	96	19	0	60	34	61	1	528
07:30	50	86	69	0	17	57	22	0	65	117	12	0	41	47	36	0	619
07:45	37	55	57	0	4	73	47	0	38	155	17	0	60	66	48	0	657
Total	139	230	213	0	43	212	120	0	211	451	55	0	204	168	178	1	2225
08:00	45	70	7	0	10	11	47	0	7	98	15	0	37	14	13	0	374
08:15	70	73	9	0	32	8	52	0	5	152	10	0	12	14	4	1	442
08:30	34	70	14	0	21	5	60	1	5	160	30	0	10	14	8	0	432
08:45	26	51	15	0	13	5	46	0	8	104	17	0	8	9	5	1	308
Total	175	264	45	0	76	29	205	1	25	514	72	0	67	51	30	2	1556
09:00	30	51	10	0	2	5	40	0	4	61	5	0	11	9	6	0	234
09:15	21	40	6	0	19	4	44	0	7	51	7	0	5	10	6	0	220
*** BREAK ***																	
Total	51	91	16	0	21	9	84	0	11	112	12	0	16	19	12	0	454
*** BREAK ***																	
10:30	20	39	7	0	7	9	13	1	1	70	6	0	6	4	3	0	186
10:45	33	43	3	0	4	7	25	0	4	64	3	0	8	6	5	0	205
Total	53	82	10	0	11	16	38	1	5	134	9	0	14	10	8	0	391
11:00	17	35	3	0	2	4	25	0	0	70	5	0	10	3	5	0	179
11:15	40	69	2	0	6	1	32	0	1	64	9	0	7	3	6	0	240
11:30	31	52	4	0	13	0	29	0	3	118	5	0	2	10	5	0	272
11:45	35	46	3	1	8	4	34	0	9	64	4	0	10	8	5	0	231
Total	123	202	12	1	29	9	120	0	13	316	23	0	29	24	21	0	922
12:00	39	36	6	0	13	3	35	1	6	62	9	0	15	7	8	0	240
12:15	50	45	6	0	5	9	38	0	14	67	6	0	6	2	6	0	254
12:30	46	35	2	0	14	5	25	1	5	69	7	0	6	10	4	0	229
12:45	46	39	6	0	22	6	44	0	5	87	7	0	4	6	9	0	281
Total	181	155	20	0	54	23	142	2	30	285	29	0	31	25	27	0	1004
13:00	38	57	5	0	16	5	36	0	6	57	9	0	8	4	12	0	253
13:15	33	66	7	0	14	10	31	0	5	95	8	0	8	3	7	0	287
*** BREAK ***																	
Total	71	123	12	0	30	15	67	0	11	152	17	0	16	7	19	0	540
*** BREAK ***																	
14:30	32	64	20	0	13	16	53	0	3	71	7	0	14	25	29	0	347
14:45	44	71	17	0	15	19	46	0	15	72	13	0	39	35	55	0	441
Total	76	135	37	0	28	35	99	0	18	143	20	0	53	60	84	0	788
15:00	58	83	14	0	21	13	48	0	10	72	8	0	31	42	44	0	444
15:15	53	85	16	0	14	20	49	0	14	75	23	0	19	19	23	0	410
15:30	43	77	20	0	29	16	79	0	14	111	22	0	29	20	16	0	476
15:45	43	85	13	0	13	15	54	1	14	95	21	0	26	17	25	0	422
Total	197	330	63	0	77	64	230	1	52	353	74	0	105	98	108	0	1752

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CSAH-101 at Excelsior Blvd / CSAH-3  
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TURN MOVEMENT COUNT

File Name : 6\_CR 101 at Excelsior Blvd\_011311  
Site Code : 00000006  
Start Date : 1/13/2011  
Page No : 2

### Groups Printed- Unshifted - Bank 1

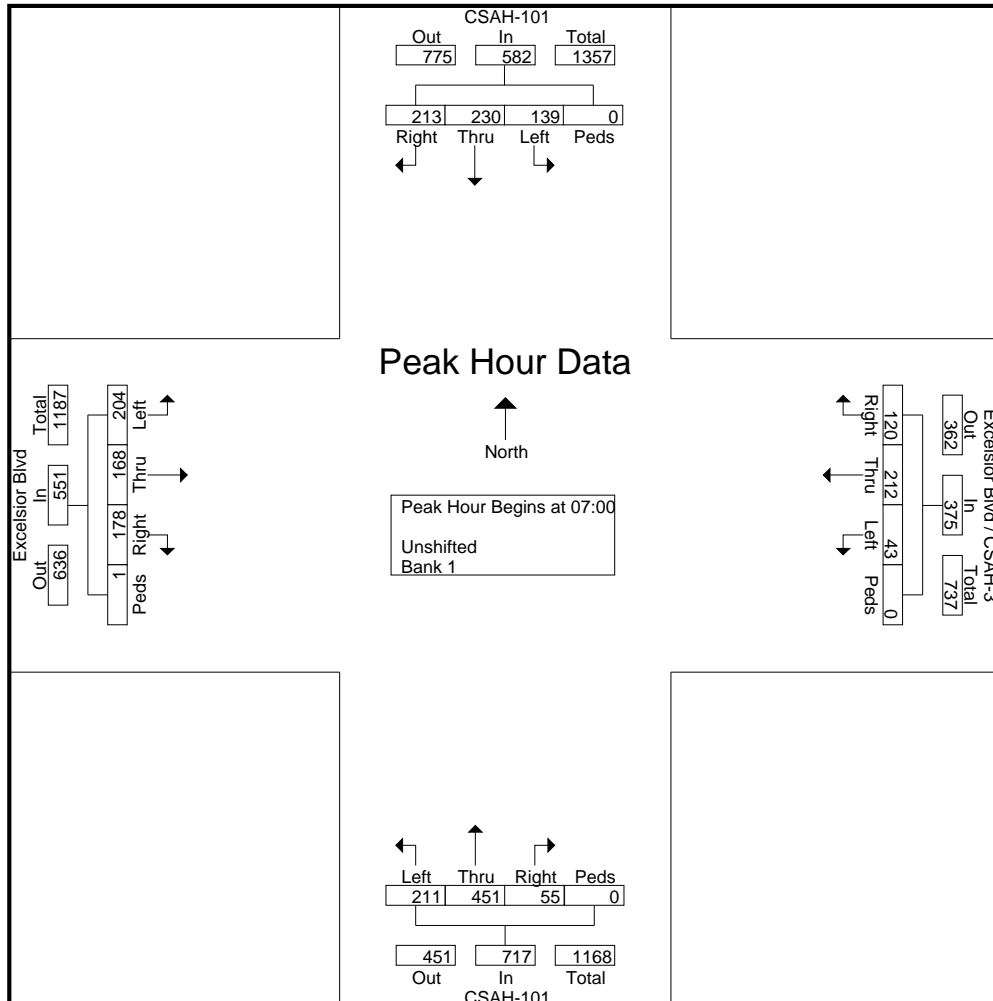
Start Time	CSAH-101 Southbound				Excelsior Blvd / CSAH-3 Westbound				CSAH-101 Northbound				Excelsior Blvd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	49	105	24	0	39	8	71	0	10	97	18	1	17	14	14	0	467
16:15	55	127	19	0	23	19	69	0	8	110	21	0	20	14	16	0	501
16:30	49	115	33	0	15	22	61	0	22	118	16	0	29	24	13	1	518
16:45	60	100	23	0	34	23	81	0	19	118	23	0	25	19	15	0	540
Total	213	447	99	0	111	72	282	0	59	443	78	1	91	71	58	1	2026
17:00	66	121	28	0	21	27	66	0	18	99	13	0	45	36	25	0	565
17:15	63	144	22	0	30	27	82	0	15	132	12	0	28	20	23	0	598
17:30	45	140	25	0	29	42	75	0	18	113	21	0	28	24	13	0	573
17:45	56	113	40	0	21	27	47	0	18	97	6	0	30	17	21	0	493
Total	230	518	115	0	101	123	270	0	69	441	52	0	131	97	82	0	2229
Grand Total	1545	2654	699	1	595	647	1704	5	549	3486	467	1	789	664	642	4	14452
Apprch %	31.5	54.2	14.3	0	20.2	21.9	57.7	0.2	12.2	77.4	10.4	0	37.6	31.6	30.6	0.2	
Total %	10.7	18.4	4.8	0	4.1	4.5	11.8	0	3.8	24.1	3.2	0	5.5	4.6	4.4	0	
Unshifted	1519	2596	668	1	576	632	1659	5	530	3432	451	1	759	652	617	4	14102
% Unshifted	98.3	97.8	95.6	100	96.8	97.7	97.4	100	96.5	98.5	96.6	100	96.2	98.2	96.1	100	97.6
Bank 1	26	58	31	0	19	15	45	0	19	54	16	0	30	12	25	0	350
% Bank 1	1.7	2.2	4.4	0	3.2	2.3	2.6	0	3.5	1.5	3.4	0	3.8	1.8	3.9	0	2.4

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Page No : 3

Start Time	CSAH-101 Southbound					Excelsior Blvd / CSAH-3 Westbound					CSAH-101 Northbound					Excelsior Blvd 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	20	47	39	0	106	8	38	22	0	68	60	83	7	0	150	43	21	33	0	97	421
07:15	32	42	48	0	122	14	44	29	0	87	48	96	19	0	163	60	34	61	1	156	528
07:30	50	86	69	0	205	17	57	22	0	96	65	117	12	0	194	41	47	36	0	124	619
07:45	37	55	57	0	149	4	73	47	0	124	38	155	17	0	210	60	66	48	0	174	657
Total Volume	139	230	213	0	582	43	212	120	0	375	211	451	55	0	717	204	168	178	1	551	2225
% App. Total	23.9	39.5	36.6	0		11.5	56.5	32	0		29.4	62.9	7.7	0		37	30.5	32.3	0.2		
PHF	.695	.669	.772	.000	.710	.632	.726	.638	.000	.756	.812	.727	.724	.000	.854	.850	.636	.730	.250	.792	.847



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Site Code : 00000006  
Start Date : 1/13/2011  
Page No : 4

Start Time	CSAH-101 Southbound					Excelsior Blvd / CSAH-3 Westbound					CSAH-101 Northbound					Excelsior Blvd 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 16:45																					
16:45	60	100	23	0	183	34	23	81	0	138	19	118	23	0	160	25	19	15	0	59	540
17:00	66	121	28	0	215	21	27	66	0	114	18	99	13	0	130	45	36	25	0	106	565
17:15	63	144	22	0	229	30	27	82	0	139	15	132	12	0	159	28	20	23	0	71	598
17:30	45	140	25	0	210	29	42	75	0	146	18	113	21	0	152	28	24	13	0	65	573
Total Volume	234	505	98	0	837	114	119	304	0	537	70	462	69	0	601	126	99	76	0	301	2276
% App. Total	28	60.3	11.7	0		21.2	22.2	56.6	0		11.6	76.9	11.5	0		41.9	32.9	25.2	0		
PHF	.886	.877	.875	.000	.914	.838	.708	.927	.000	.920	.921	.875	.750	.000	.939	.700	.688	.760	.000	.710	.952

