

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at TH-169, West ramps
Ref.Pt.: 191.610
Alliant Engineering Inc
TURN MOVEMENT COUNT

File Name : 17_TH 7 at TH 169 W Ramp_011111
Site Code : 00000017
Start Date : 1/11/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	ramp from SB TH-169 Southbound				TH-7 Westbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	30	0	6	0	0	30	10	0	0	50	5	0	131
06:15	54	0	8	0	0	39	20	0	0	104	19	0	244
06:30	52	1	5	0	0	53	50	0	0	180	28	0	369
06:45	56	0	5	0	0	84	60	0	0	199	20	0	424
Total	192	1	24	0	0	206	140	0	0	533	72	0	1168
07:00	40	0	12	0	0	86	69	0	1	206	36	0	450
07:15	61	0	6	0	0	115	73	0	0	268	42	0	565
07:30	41	0	6	0	0	178	67	0	0	363	17	0	672
07:45	49	0	1	0	0	221	112	0	0	362	24	0	769
Total	191	0	25	0	0	600	321	0	1	1199	119	0	2456
08:00	46	0	15	0	0	155	78	0	0	321	17	0	632
08:15	42	0	2	0	0	179	83	0	1	351	35	0	693
08:30	45	0	6	0	0	206	76	0	0	300	24	0	657
08:45	46	0	4	0	0	178	77	0	0	326	30	0	661
Total	179	0	27	0	0	718	314	0	1	1298	106	0	2643
09:00	51	0	8	0	1	180	64	1	0	278	40	0	623
09:15	63	2	14	0	0	156	44	0	0	252	32	1	564
*** BREAK ***													
Total	114	2	22	0	1	336	108	1	0	530	72	1	1187
*** BREAK ***													
10:30	52	0	6	0	0	122	50	0	0	147	10	0	387
10:45	70	0	3	0	0	143	34	0	1	168	13	0	432
Total	122	0	9	0	0	265	84	0	1	315	23	0	819
11:00	50	0	9	0	0	135	39	0	0	157	28	0	418
11:15	42	0	15	0	0	128	56	0	0	155	19	0	415
11:30	44	0	25	0	0	125	57	0	0	173	18	0	442
11:45	50	0	17	0	0	156	70	0	0	166	18	0	477
Total	186	0	66	0	0	544	222	0	0	651	83	0	1752
12:00	58	0	26	0	0	157	58	0	0	192	30	0	521
12:15	57	0	22	0	0	131	67	0	0	214	14	0	505
12:30	70	0	7	0	0	154	83	0	0	167	30	0	511
12:45	49	0	13	0	0	160	74	0	2	166	34	0	498
Total	234	0	68	0	0	602	282	0	2	739	108	0	2035
13:00	58	0	18	0	0	146	46	0	0	168	24	0	460
13:15	45	1	14	0	0	156	63	0	0	173	23	0	475
*** BREAK ***													
Total	103	1	32	0	0	302	109	0	0	341	47	0	935
*** BREAK ***													
14:30	45	0	20	0	0	165	41	0	0	163	23	0	457
14:45	62	0	38	0	0	194	45	0	0	178	16	1	534
Total	107	0	58	0	0	359	86	0	0	341	39	1	991
15:00	43	0	30	0	0	179	58	0	0	167	28	0	505
15:15	49	2	39	0	0	222	47	0	1	216	29	0	605
15:30	51	0	38	0	0	267	63	0	0	212	26	0	657
15:45	43	1	25	0	0	283	57	0	0	215	19	0	643
Total	186	3	132	0	0	951	225	0	1	810	102	0	2410

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at TH-169, West ramps
 Ref.Pt.: 191.610
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 17_TH 7 at TH 169 W Ramp_011111
 Site Code : 00000017
 Start Date : 1/11/2011
 Page No : 2

Groups Printed- Unshifted - Bank 1

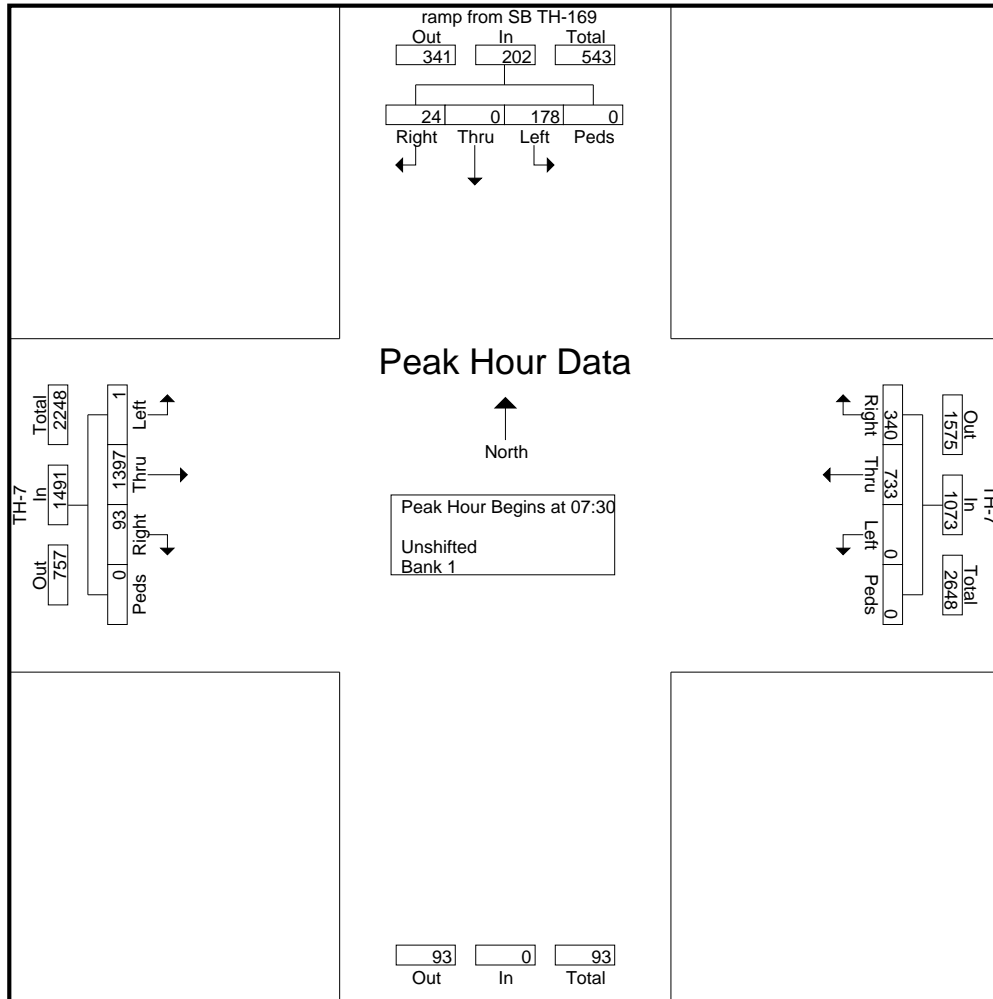
Start Time	ramp from SB TH-169 Southbound				TH-7 Westbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	37	0	20	0	0	239	55	0	0	186	20	0	557
16:15	57	0	37	0	0	258	54	0	1	203	16	0	626
16:30	45	0	41	0	0	240	52	0	0	261	20	0	659
16:45	56	0	30	0	0	283	57	0	0	306	20	0	752
Total	195	0	128	0	0	1020	218	0	1	956	76	0	2594
17:00	65	0	31	0	0	281	49	0	1	310	22	0	759
17:15	79	0	52	0	12	298	43	0	3	330	38	0	855
17:30	73	1	43	0	0	300	66	0	0	350	21	0	854
17:45	61	0	27	0	0	265	57	0	0	313	24	0	747
Total	278	1	153	0	12	1144	215	0	4	1303	105	0	3215
Grand Total	2087	8	744	0	13	7047	2324	1	11	9016	952	2	22205
Apprch %	73.5	0.3	26.2	0	0.1	75.1	24.8	0	0.1	90.3	9.5	0	
Total %	9.4	0	3.4	0	0.1	31.7	10.5	0	0	40.6	4.3	0	
Unshifted	2028	8	724	0	13	6920	2261	1	11	8865	934	2	21767
% Unshifted	97.2	100	97.3	0	100	98.2	97.3	100	100	98.3	98.1	100	98
Bank 1	59	0	20	0	0	127	63	0	0	151	18	0	438
% Bank 1	2.8	0	2.7	0	0	1.8	2.7	0	0	1.7	1.9	0	2

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at TH-169, West ramps
 Ref.Pt.: 191.610
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 17_TH 7 at TH 169 W Ramp_011111
 Site Code : 00000017
 Start Date : 1/11/2011
 Page No : 3

Start Time	ramp from SB TH-169 Southbound					TH-7 Westbound					TH-7 Eastbound					Int. 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	41	0	6	0	47	0	178	67	0	245	0	363	17	0	380	672
07:45	49	0	1	0	50	0	221	112	0	333	0	362	24	0	386	769
08:00	46	0	15	0	61	0	155	78	0	233	0	321	17	0	338	632
08:15	42	0	2	0	44	0	179	83	0	262	1	351	35	0	387	693
Total Volume	178	0	24	0	202	0	733	340	0	1073	1	1397	93	0	1491	2766
% App. Total	88.1	0	11.9	0		0	68.3	31.7	0		0.1	93.7	6.2	0		
PHF	.908	.000	.400	.000	.828	.000	.829	.759	.000	.806	.250	.962	.664	.000	.963	.899



Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at TH-169, West ramps
 Ref.Pt.: 191.610
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 17_TH 7 at TH 169 W Ramp_011111
 Site Code : 00000017
 Start Date : 1/11/2011
 Page No : 4

Start Time	ramp from SB TH-169 Southbound					TH-7 Westbound					TH-7 Eastbound					Int. 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	56	0	30	0	86	0	283	57	0	340	0	306	20	0	326	752
17:00	65	0	31	0	96	0	281	49	0	330	1	310	22	0	333	759
17:15	79	0	52	0	131	12	298	43	0	353	3	330	38	0	371	855
17:30	73	1	43	0	117	0	300	66	0	366	0	350	21	0	371	854
Total Volume	273	1	156	0	430	12	1162	215	0	1389	4	1296	101	0	1401	3220
% App. Total	63.5	0.2	36.3	0		0.9	83.7	15.5	0		0.3	92.5	7.2	0		
PHF	.864	.250	.750	.000	.821	.250	.968	.814	.000	.949	.333	.926	.664	.000	.944	.942

