

Alliant Engineering Inc Minneapolis, MN 55415

TH-7 at TH-169, East Ramps
Ref.Pt.: 191.736
Alliant Engineering Inc
TURN MOVEMENT COUNT

File Name : 18_TH 7 at T 169 E Ramp_011111
Site Code : 00000018
Start Date : 1/11/2011
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	ramp to NB TH-169 Southbound				TH-7 Westbound				ramp from NB TH-169 Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	0	0	0	0	0	42	13	0	7	0	18	0	23	79	0	0	182
06:15	0	0	0	0	0	47	21	0	18	0	20	0	27	138	0	0	271
06:30	0	0	0	0	0	93	23	0	12	0	18	0	59	168	0	0	373
06:45	0	0	0	0	0	136	29	0	11	0	28	0	48	223	0	0	475
Total	0	0	0	0	0	318	86	0	48	0	84	0	157	608	0	0	1301
07:00	0	0	0	0	0	150	31	0	7	0	37	0	56	194	0	0	475
07:15	0	0	0	0	0	188	32	0	13	0	38	0	37	277	0	0	585
07:30	0	0	0	0	0	235	44	0	39	0	54	0	61	329	0	0	762
07:45	0	0	0	0	0	303	56	0	41	1	40	0	40	352	0	0	833
Total	0	0	0	0	0	876	163	0	100	1	169	0	194	1152	0	0	2655
08:00	0	0	0	0	0	258	47	0	21	0	61	0	53	333	0	0	773
08:15	0	0	0	0	0	228	42	0	27	0	54	0	60	332	0	0	743
08:30	0	0	0	0	0	253	43	0	41	1	48	0	45	323	0	0	754
08:45	0	0	0	0	0	251	30	0	33	0	38	0	64	273	0	0	689
Total	0	0	0	0	0	990	162	0	122	1	201	0	222	1261	0	0	2959
09:00	0	0	0	0	0	223	45	0	33	3	42	0	55	269	0	0	670
09:15	0	0	0	0	0	170	41	0	45	0	55	0	41	273	0	0	625
*** BREAK ***																	
Total	0	0	0	0	0	393	86	0	78	3	97	0	96	542	0	0	1295
*** BREAK ***																	
10:30	0	0	0	0	0	172	55	0	21	1	60	0	31	177	0	0	517
10:45	0	0	0	0	0	161	61	0	18	2	37	0	35	204	0	0	518
Total	0	0	0	0	0	333	116	0	39	3	97	0	66	381	0	0	1035
11:00	0	0	0	0	0	156	84	1	16	0	30	0	47	170	0	0	504
11:15	0	0	0	0	0	179	92	0	16	0	45	0	41	160	0	0	533
11:30	0	0	0	0	0	163	63	0	17	0	58	0	49	165	0	0	515
11:45	0	0	0	0	0	219	52	0	17	0	51	0	48	170	0	0	557
Total	0	0	0	0	0	717	291	1	66	0	184	0	185	665	0	0	2109
12:00	0	0	0	0	0	184	52	0	31	0	61	0	29	225	0	0	582
12:15	0	0	0	0	0	182	65	0	22	0	55	0	42	211	0	0	577
12:30	0	0	0	0	0	216	61	0	21	0	70	0	43	187	0	0	598
12:45	0	0	0	0	0	227	68	0	18	0	45	0	36	185	0	0	579
Total	0	0	0	0	0	809	246	0	92	0	231	0	150	808	0	0	2336
13:00	0	0	0	0	0	163	60	0	19	0	51	0	38	180	0	0	511
13:15	0	0	0	0	0	196	43	0	19	0	50	0	44	190	0	0	542
*** BREAK ***																	
Total	0	0	0	0	0	359	103	0	38	0	101	0	82	370	0	0	1053
*** BREAK ***																	
14:30	0	0	0	0	0	228	73	0	22	0	26	0	47	175	0	0	571
14:45	0	0	0	0	0	202	52	0	28	0	27	0	31	220	0	0	560
Total	0	0	0	0	0	430	125	0	50	0	53	0	78	395	0	0	1131
15:00	0	0	0	0	0	242	78	0	21	0	26	0	36	163	0	0	566
15:15	0	0	0	0	0	245	75	0	38	0	39	0	57	220	0	0	674
15:30	0	0	0	0	0	287	52	0	41	0	38	0	40	227	0	0	685
15:45	0	0	0	0	0	326	60	0	37	0	63	0	28	242	0	0	756
Total	0	0	0	0	0	1100	265	0	137	0	166	0	161	852	0	0	2681

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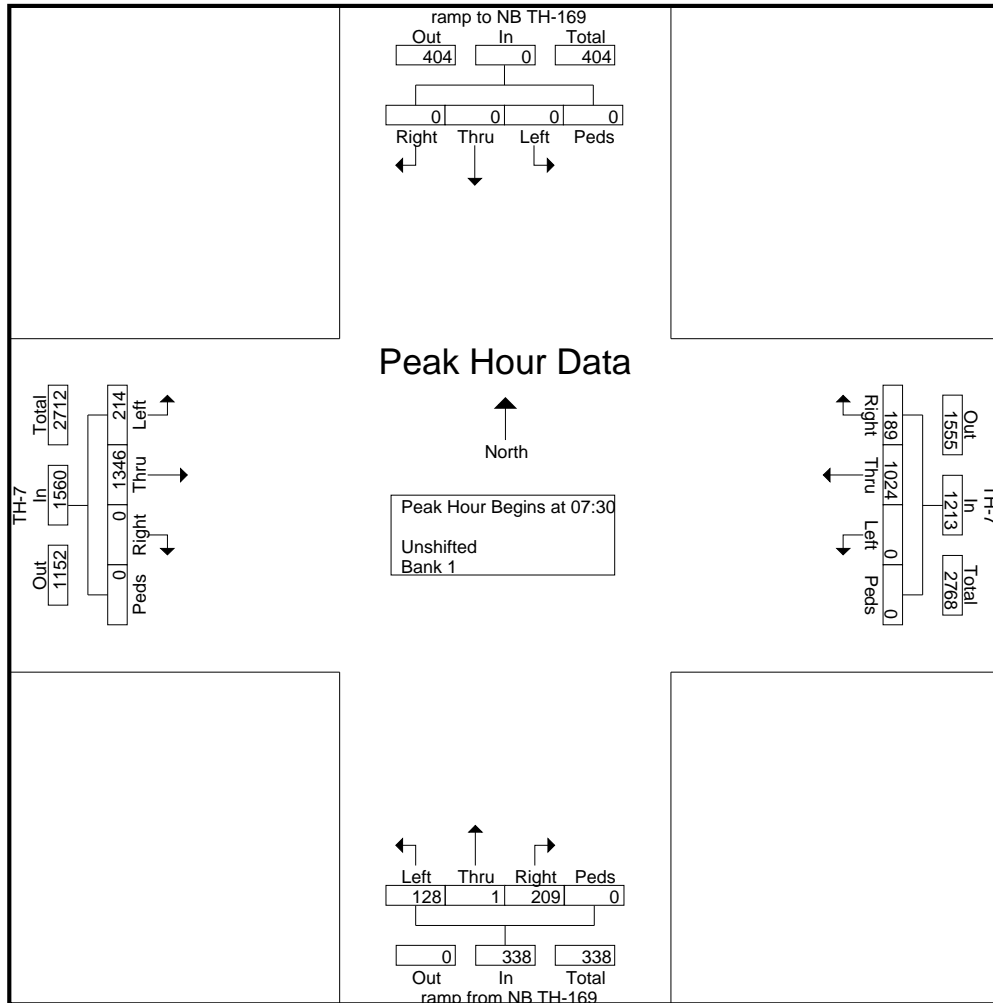
Start Time	ramp to NB TH-169 Southbound				TH-7 Westbound				ramp from NB TH-169 Northbound				TH-7 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	0	0	0	0	0	265	61	0	50	0	60	0	33	210	0	0	679
16:15	0	0	0	0	0	313	45	0	39	0	76	0	39	256	0	0	768
16:30	0	0	0	0	0	275	40	0	25	0	80	0	38	269	0	0	727
16:45	0	0	0	0	0	341	48	0	64	0	113	0	22	353	0	0	941
Total	0	0	0	0	0	1194	194	0	178	0	329	0	132	1088	0	0	3115
17:00	0	0	0	0	0	313	39	0	74	0	152	0	44	333	0	0	955
17:15	0	0	0	0	0	382	42	0	60	0	148	0	30	375	0	0	1037
17:30	0	0	0	0	0	278	29	0	64	0	98	0	26	335	0	0	830
17:45	0	0	0	0	0	242	36	0	54	0	94	0	28	292	0	0	746
Total	0	0	0	0	0	1215	146	0	252	0	492	0	128	1335	0	0	3568
Grand Total	0	0	0	0	0	8734	1983	1	1200	8	2204	0	1651	9457	0	0	25238
Apprch %	0	0	0	0	0	81.5	18.5	0	35.2	0.2	64.6	0	14.9	85.1	0	0	
Total %	0	0	0	0	0	34.6	7.9	0	4.8	0	8.7	0	6.5	37.5	0	0	
Unshifted	0	0	0	0	0	8566	1903	0	1168	7	2151	0	1599	9275	0	0	24669
% Unshifted	0	0	0	0	0	98.1	96	0	97.3	87.5	97.6	0	96.9	98.1	0	0	97.7
Bank 1	0	0	0	0	0	168	80	1	32	1	53	0	52	182	0	0	569
% Bank 1	0	0	0	0	0	1.9	4	100	2.7	12.5	2.4	0	3.1	1.9	0	0	2.3

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Start Time	ramp to NB TH-169 Southbound					TH-7 Westbound					ramp from NB TH-169 Northbound					TH-7 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	0	0	0	0	0	0	235	44	0	279	39	0	54	0	93	61	329	0	0	390	762
07:45	0	0	0	0	0	0	303	56	0	359	41	1	40	0	82	40	352	0	0	392	833
08:00	0	0	0	0	0	0	258	47	0	305	21	0	61	0	82	53	333	0	0	386	773
08:15	0	0	0	0	0	0	228	42	0	270	27	0	54	0	81	60	332	0	0	392	743
Total Volume	0	0	0	0	0	0	1024	189	0	1213	128	1	209	0	338	214	1346	0	0	1560	3111
% App. Total	0	0	0	0	0	0	84.4	15.6	0		37.9	0.3	61.8	0		13.7	86.3	0	0		
PHF	.000	.000	.000	.000	.000	.000	.845	.844	.000	.845	.780	.250	.857	.000	.909	.877	.956	.000	.000	.995	.934



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Start Time	ramp to NB TH-169 Southbound					TH-7 Westbound					ramp from NB TH-169 Northbound					TH-7 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	0	0	0	0	0	0	341	48	0	389	64	0	113	0	177	22	353	0	0	375	941
17:00	0	0	0	0	0	0	313	39	0	352	74	0	152	0	226	44	333	0	0	377	955
17:15	0	0	0	0	0	0	382	42	0	424	60	0	148	0	208	30	375	0	0	405	1037
17:30	0	0	0	0	0	0	278	29	0	307	64	0	98	0	162	26	335	0	0	361	830
Total Volume	0	0	0	0	0	0	1314	158	0	1472	262	0	511	0	773	122	1396	0	0	1518	3763
% App. Total	0	0	0	0	0	0	89.3	10.7	0		33.9	0	66.1	0		8	92	0	0		
PHF	.000	.000	.000	.000	.000	.000	.860	.823	.000	.868	.885	.000	.840	.000	.855	.693	.931	.000	.000	.937	.907

