

Alliant Engineering Inc Minneapolis, MN 55415

TH-55 at Niagara Lane / Plymouth Blvd
 Ref.Pt.: 179.737
 Alliant Engineering Inc
 TURN MOVEMENT COUNT

File Name : 43_TH 55 at Niagara Ln_012511
 Site Code : 00000043
 Start Date : 1/25/2011
 Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time	Plymouth Blvd Southbound				TH-55 Westbound				Niagara Lane Northbound				TH-55 Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Other	Left	Thru	Rght	Peds	
06:00	14	5	3	0	16	64	15	0	1	6	9	0	3	225	13	0	374
06:15	25	9	0	0	35	97	13	0	0	1	6	0	2	344	22	0	554
06:30	29	10	2	0	22	161	9	0	1	2	11	0	1	491	23	0	762
06:45	29	16	1	0	55	192	17	0	4	7	12	0	5	518	35	0	891
Total	97	40	6	0	128	514	54	0	6	16	38	0	11	1578	93	0	2581
07:00	44	14	4	0	33	198	14	0	6	6	8	0	8	551	29	0	915
07:15	41	20	5	0	29	149	13	0	0	3	11	0	1	581	30	0	883
07:30	50	26	3	0	42	158	15	0	3	9	12	0	4	561	32	0	915
07:45	42	26	7	0	42	209	22	0	3	7	16	0	4	591	39	0	1008
Total	177	86	19	0	146	714	64	0	12	25	47	0	17	2284	130	0	3721
08:00	33	14	4	0	30	153	23	0	1	5	15	0	7	531	45	0	861
08:15	30	9	2	0	25	166	15	1	0	6	15	0	7	438	24	0	738
08:30	40	7	2	0	20	197	16	0	1	5	13	0	8	377	18	0	704
08:45	47	18	5	0	22	175	19	0	3	20	8	0	16	339	14	0	686
Total	150	48	13	0	97	691	73	1	5	36	51	0	38	1685	101	0	2989
09:00	28	15	6	0	18	163	26	0	3	14	12	0	9	251	12	0	557
09:15	27	12	2	0	24	141	28	0	5	7	11	0	9	251	8	0	525
*** BREAK ***																	
Total	55	27	8	0	42	304	54	0	8	21	23	0	18	502	20	0	1082
*** BREAK ***																	
10:30	21	7	2	0	5	176	15	0	4	10	14	0	5	175	2	0	436
10:45	48	12	4	0	13	204	15	0	5	15	10	0	7	163	3	0	499
Total	69	19	6	0	18	380	30	0	9	25	24	0	12	338	5	0	935
11:00	56	14	3	0	16	188	28	0	19	21	31	0	6	186	10	0	578
11:15	55	22	2	0	15	197	29	0	21	12	21	0	13	221	9	0	617
11:30	79	21	4	0	17	245	39	0	17	34	27	0	15	224	10	0	732
11:45	50	19	8	0	30	233	47	0	20	29	20	0	26	203	19	0	704
Total	240	76	17	0	78	863	143	0	77	96	99	0	60	834	48	0	2631
12:00	65	27	7	0	25	250	36	0	25	33	21	0	21	186	15	0	711
12:15	45	21	7	0	19	243	27	0	22	17	19	0	23	242	19	0	704
12:30	61	33	6	0	19	238	26	0	19	22	18	0	19	273	13	0	747
12:45	57	29	5	0	25	243	14	0	8	14	17	0	6	239	19	0	676
Total	228	110	25	0	88	974	103	0	74	86	75	0	69	940	66	0	2838
*** BREAK ***																	
14:30	55	14	6	0	17	319	28	1	18	26	47	0	24	211	13	2	781
14:45	50	17	11	0	26	323	23	0	16	8	24	0	16	232	8	0	754
Total	105	31	17	0	43	642	51	1	34	34	71	0	40	443	21	2	1535
15:00	47	17	13	0	16	314	40	0	37	17	43	0	11	268	7	0	830
15:15	43	15	11	0	23	367	52	0	27	21	27	0	12	197	6	1	802
15:30	57	21	17	0	16	348	53	0	69	38	81	0	10	225	5	0	940
15:45	41	19	12	0	14	428	37	0	29	27	38	0	24	185	4	0	858
Total	188	72	53	0	69	1457	182	0	162	103	189	0	57	875	22	1	3430
16:00	47	14	14	0	20	429	57	0	62	43	38	0	15	252	5	0	996
16:15	48	15	11	0	15	482	60	0	44	25	39	0	14	233	4	0	990
16:30	65	21	14	0	10	396	60	0	85	50	69	0	16	270	3	0	1059
16:45	61	17	13	0	10	483	62	0	54	46	29	0	18	217	6	0	1016
Total	221	67	52	0	55	1790	239	0	245	164	175	0	63	972	18	0	4061

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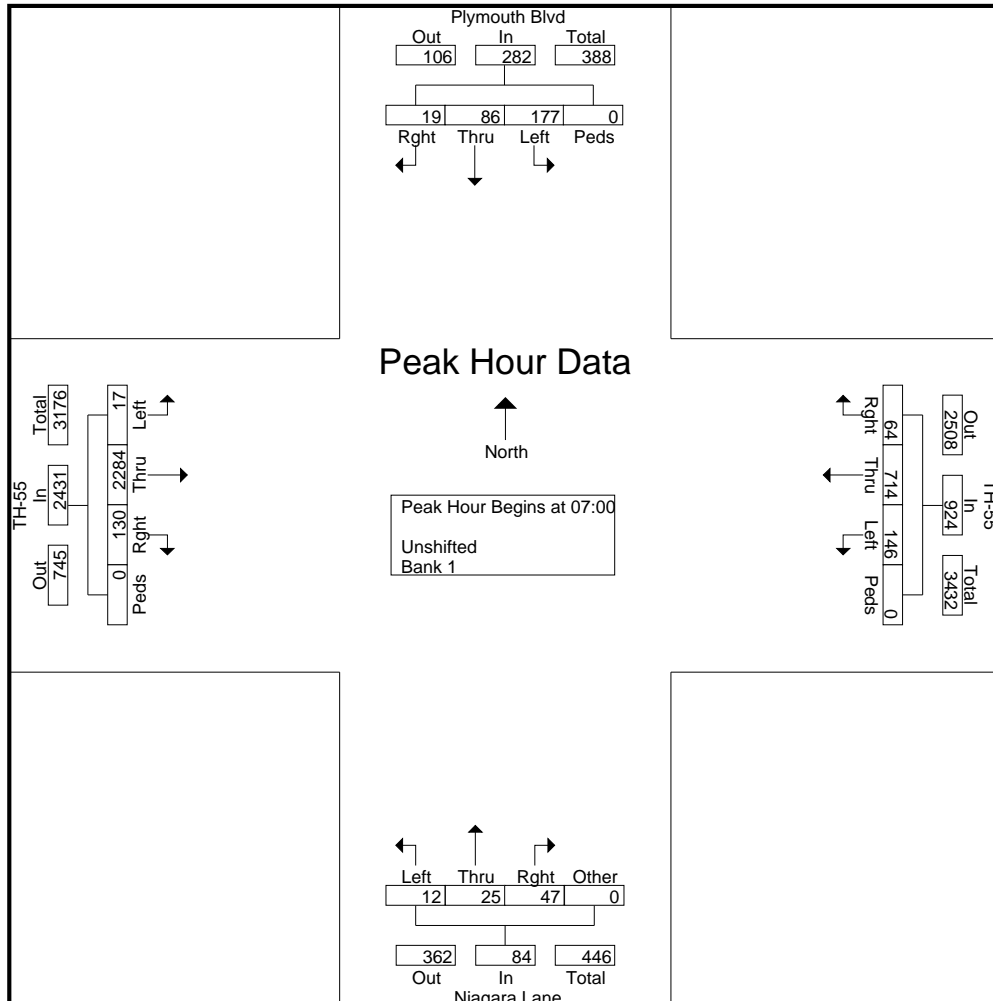
Start Time	Plymouth Blvd Southbound				TH-55 Westbound				Niagara Lane Northbound				TH-55 Eastbound				Int. Total
	Left	Thru	Rght	Peds	Left	Thru	Rght	Peds	Left	Thru	Rght	Other	Left	Thru	Rght	Peds	
17:00	86	12	10	0	11	458	75	0	89	46	40	0	12	274	6	0	1119
17:15	64	19	17	0	6	494	77	0	49	44	37	0	16	240	6	0	1069
17:30	68	11	10	0	9	487	55	0	25	43	29	0	23	242	7	0	1009
17:45	45	20	18	0	5	504	60	0	15	28	19	0	23	216	6	0	959
Total	263	62	55	0	31	1943	267	0	178	161	125	0	74	972	25	0	4156
Grand Total	1793	638	271	0	795	10272	1260	2	810	767	917	0	459	11423	549	3	29959
Apprch %	66.4	23.6	10	0	6.4	83.3	10.2	0	32.5	30.8	36.8	0	3.7	91.9	4.4	0	
Total %	6	2.1	0.9	0	2.7	34.3	4.2	0	2.7	2.6	3.1	0	1.5	38.1	1.8	0	
Unshifted	1768	622	262	0	739	9983	1228	2	792	758	859	0	448	11186	530	3	29180
% Unshifted	98.6	97.5	96.7	0	93	97.2	97.5	100	97.8	98.8	93.7	0	97.6	97.9	96.5	100	97.4
Bank 1	25	16	9	0	56	289	32	0	18	9	58	0	11	237	19	0	779
% Bank 1	1.4	2.5	3.3	0	7	2.8	2.5	0	2.2	1.2	6.3	0	2.4	2.1	3.5	0	2.6

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	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	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	44	14	4	0	62	33	198	14	0	245	6	6	8	0	20	8	551	29	0	588	915
07:15	41	20	5	0	66	29	149	13	0	191	0	3	11	0	14	1	581	30	0	612	883
07:30	50	26	3	0	79	42	158	15	0	215	3	9	12	0	24	4	561	32	0	597	915
07:45	42	26	7	0	75	42	209	22	0	273	3	7	16	0	26	4	591	39	0	634	1008
Total Volume	177	86	19	0	282	146	714	64	0	924	12	25	47	0	84	17	2284	130	0	2431	3721
% App. Total	62.8	30.5	6.7	0		15.8	77.3	6.9	0		14.3	29.8	56	0		0.7	94	5.3	0		
PHF	.885	.827	.679	.000	.892	.869	.854	.727	.000	.846	.500	.694	.734	.000	.808	.531	.966	.833	.000	.959	.923



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	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Peds	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Peds	App. Total	
Peak Hour Analysis From 14:30 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	65	21	14	0	100	10	396	60	0	466	85	50	69	0	204	16	270	3	0	289	1059
16:45	61	17	13	0	91	10	483	62	0	555	54	46	29	0	129	18	217	6	0	241	1016
17:00	86	12	10	0	108	11	458	75	0	544	89	46	40	0	175	12	274	6	0	292	1119
17:15	64	19	17	0	100	6	494	77	0	577	49	44	37	0	130	16	240	6	0	262	1069
Total Volume	276	69	54	0	399	37	1831	274	0	2142	277	186	175	0	638	62	1001	21	0	1084	4263
% App. Total	69.2	17.3	13.5	0		1.7	85.5	12.8	0		43.4	29.2	27.4	0		5.7	92.3	1.9	0		
PHF	.802	.821	.794	.000	.924	.841	.927	.890	.000	.928	.778	.930	.634	.000	.782	.861	.913	.875	.000	.928	.952

