

Alliant Engineering, Inc

733 Marquette Ave, Ste 700
 Minneapolis, MN 55402

--TRAFFIC DATA--

405_TH 41 & Engler Boulevard
 Ref. Pt.: 3.113
 data by: Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 405_TH 41 & Engler Boulevard
 Site Code : 00000405
 Start Date : 9/19/2018
 Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					Engler Boulevard From East					TH 41 From South					Engler Boulevard From West					Int. Total
	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	
06:00 AM	1	4	31	6	42	0	1	10	10	21	0	8	66	1	75	0	20	28	14	62	200
06:15 AM	1	2	31	8	42	0	5	26	13	44	0	11	85	3	99	0	18	26	16	60	245
06:30 AM	0	6	44	3	53	0	1	30	19	50	0	15	139	5	159	0	35	51	14	100	362
06:45 AM	0	4	54	5	63	0	0	23	24	47	0	22	160	3	185	0	35	54	19	108	403
Total	2	16	160	22	200	0	7	89	66	162	0	56	450	12	518	0	108	159	63	330	1210
07:00 AM	0	7	63	9	79	0	5	21	27	53	0	28	140	10	178	0	32	62	10	104	414
07:15 AM	0	8	71	18	97	0	4	35	21	60	0	26	172	12	210	0	42	85	19	146	513
07:30 AM	0	8	51	13	72	1	3	35	32	71	0	41	212	13	266	0	49	84	17	150	559
07:45 AM	0	21	88	14	123	0	5	36	30	71	0	40	183	12	235	0	52	102	27	181	610
Total	0	44	273	54	371	1	17	127	110	255	0	135	707	47	889	0	175	333	73	581	2096
08:00 AM	3	19	80	7	109	2	8	36	18	64	0	31	190	17	238	0	47	87	14	148	559
08:15 AM	1	32	85	14	132	1	11	38	30	80	0	27	132	24	183	0	33	98	16	147	542
08:30 AM	0	19	74	22	115	0	19	50	39	108	0	35	148	14	197	0	33	54	17	104	524
08:45 AM	0	14	79	12	105	1	5	35	14	55	0	32	128	8	168	0	23	38	20	81	409
Total	4	84	318	55	461	4	43	159	101	307	0	125	598	63	786	0	136	277	67	480	2034
09:00 AM	0	14	73	8	95	0	4	27	30	61	0	21	120	12	153	0	34	50	24	108	417
09:15 AM	0	12	99	16	127	0	20	20	27	67	0	22	135	8	165	0	26	24	25	75	434
*** BREAK ***																					
Total	0	26	172	24	222	0	24	47	57	128	0	43	255	20	318	0	60	74	49	183	851
*** BREAK ***																					
10:30 AM	1	11	79	11	102	0	10	13	10	33	0	16	89	1	106	0	14	16	20	50	291
10:45 AM	0	13	83	14	110	0	5	14	15	34	0	20	91	4	115	0	17	29	19	65	324
Total	1	24	162	25	212	0	15	27	25	67	0	36	180	5	221	0	31	45	39	115	615
11:00 AM	0	11	89	11	111	0	5	14	7	26	0	21	102	9	132	0	21	25	17	63	332
11:15 AM	1	16	91	11	119	0	3	19	15	37	0	25	98	2	125	0	19	18	20	57	338
11:30 AM	0	15	99	14	128	0	8	27	26	61	0	27	111	5	143	0	20	28	20	68	400
11:45 AM	0	12	98	14	124	0	2	27	7	36	0	26	105	4	135	0	8	22	24	54	349
Total	1	54	377	50	482	0	18	87	55	160	0	99	416	20	535	0	68	93	81	242	1419
12:00 PM	0	10	105	14	129	0	4	20	16	40	0	18	97	6	121	0	17	21	24	62	352
12:15 PM	0	13	102	24	139	0	3	23	13	39	0	23	111	10	144	0	23	24	11	58	380
12:30 PM	0	11	108	18	137	0	2	28	13	43	0	23	102	7	132	0	13	17	17	47	359
12:45 PM	0	25	94	18	137	0	11	20	17	48	0	15	100	4	119	0	30	16	24	70	374
Total	0	59	409	74	542	0	20	91	59	170	0	79	410	27	516	0	83	78	76	237	1465
01:00 PM	0	18	104	20	142	0	5	22	13	40	0	15	91	4	110	0	13	28	21	62	354
01:15 PM	0	14	114	14	142	0	7	17	17	41	0	23	80	12	115	0	22	22	19	63	361
*** BREAK ***																					
Total	0	32	218	34	284	0	12	39	30	81	0	38	171	16	225	0	35	50	40	125	715
*** BREAK ***																					
02:30 PM	0	17	123	17	157	0	4	32	19	55	1	32	123	7	163	0	13	20	9	42	417
02:45 PM	2	21	119	31	173	0	6	36	14	56	0	43	127	4	174	0	19	30	23	72	475
Total	2	38	242	48	330	0	10	68	33	111	1	75	250	11	337	0	32	50	32	114	892
03:00 PM	0	22	133	22	177	0	6	47	22	75	0	30	90	12	132	0	20	51	19	90	474
03:15 PM	0	46	121	15	182	0	13	47	28	88	0	34	107	23	164	0	26	66	27	119	553
03:30 PM	4	40	128	21	193	0	24	83	47	154	2	34	110	12	158	0	29	59	28	116	621
03:45 PM	1	44	161	39	245	1	18	69	30	118	0	51	136	13	200	0	21	39	27	87	650
Total	5	152	543	97	797	1	61	246	127	435	2	149	443	60	654	0	96	215	101	412	2298

Alliant Engineering, Inc

733 Marquette Ave, Ste 700

Minneapolis, MN 55402

--TRAFFIC DATA--

405_TH 41 & Engler Boulevard

Ref. Pt.: 3.113

data by: Alliant Inc.

TURN MOVEMENT COUNT

File Name : 405_TH 41 & Engler Boulevard

Site Code : 00000405

Start Date : 9/19/2018

Page No : 2

Groups Printed- Class 1 - Class 2

Start Time	TH 41 From North					Engler Boulevard From East					TH 41 From South					Engler Boulevard From West					Int. Total
	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	
04:00 PM	0	19	140	37	196	0	14	57	13	84	0	47	119	4	170	0	29	35	28	92	542
04:15 PM	0	19	151	32	202	0	12	68	13	93	0	43	126	10	179	0	17	40	16	73	547
04:30 PM	1	17	150	38	206	0	11	52	16	79	0	45	158	8	211	0	26	49	32	107	603
04:45 PM	0	27	191	49	267	0	7	67	16	90	0	34	113	15	162	0	26	54	24	104	623
Total	1	82	632	156	871	0	44	244	58	346	0	169	516	37	722	0	98	178	100	376	2315
05:00 PM	1	26	173	40	240	0	14	60	19	93	0	42	117	19	178	0	28	55	20	103	614
05:15 PM	3	21	167	47	238	0	18	82	16	116	0	38	129	8	175	0	30	48	24	102	631
05:30 PM	0	24	163	54	241	0	11	47	25	83	0	34	122	12	168	0	23	45	26	94	586
05:45 PM	0	32	144	39	215	0	21	71	18	110	0	32	118	12	162	0	16	50	15	81	568
Total	4	103	647	180	934	0	64	260	78	402	0	146	486	51	683	0	97	198	85	380	2399
Grand Total	20	714	4153	819	5706	6	335	1484	799	2624	3	1150	4882	369	6404	0	1019	1750	806	3575	18309
Apprch %	0.4	12.5	72.8	14.4		0.2	12.8	56.6	30.4		0	18	76.2	5.8		0	28.5	49	22.5		
Total %	0.1	3.9	22.7	4.5	31.2	0	1.8	8.1	4.4	14.3	0	6.3	26.7	2	35	0	5.6	9.6	4.4	19.5	
Class 1	11	680	3808	787	5286	5	306	1404	757	2472	3	1080	4519	352	5954	0	979	1668	757	3404	17116
% Class 1	55	95.2	91.7	96.1	92.6	83.3	91.3	94.6	94.7	94.2	100	93.9	92.6	95.4	93	0	96.1	95.3	93.9	95.2	93.5
Class 2	9	34	345	32	420	1	29	80	42	152	0	70	363	17	450	0	40	82	49	171	1193
% Class 2	45	4.8	8.3	3.9	7.4	16.7	8.7	5.4	5.3	5.8	0	6.1	7.4	4.6	7	0	3.9	4.7	6.1	4.8	6.5

Alliant Engineering, Inc

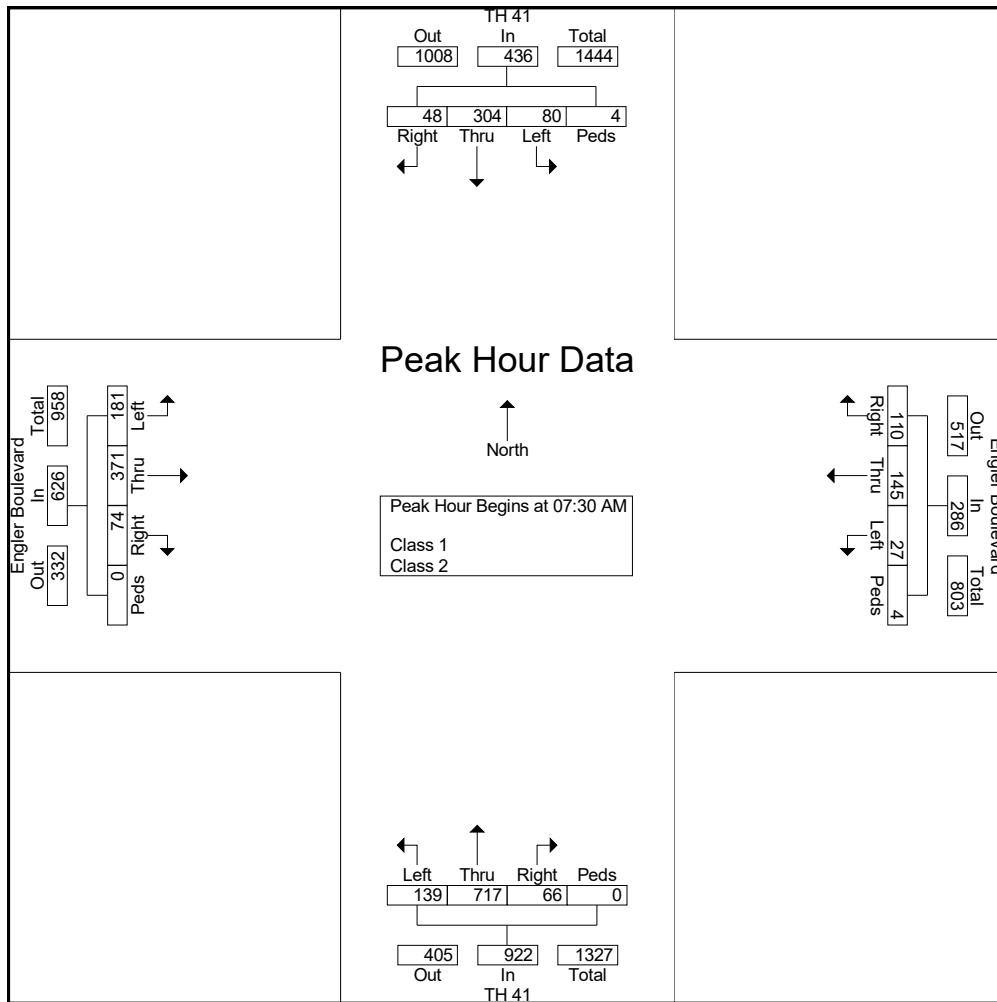
733 Marquette Ave, Ste 700
 Minneapolis, MN 55402

--TRAFFIC DATA--

405_TH 41 & Engler Boulevard
 Ref. Pt.: 3.113
 data by: Alliant Inc.
TURN MOVEMENT COUNT

File Name : 405_TH 41 & Engler Boulevard
 Site Code : 00000405
 Start Date : 9/19/2018
 Page No : 3

Start Time	TH 41 From North					Engler Boulevard From East					TH 41 From South					Engler Boulevard From West					Int. Total
	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	8	51	13	72	1	3	35	32	71	0	41	212	13	266	0	49	84	17	150	559
07:45 AM	0	21	88	14	123	0	5	36	30	71	0	40	183	12	235	0	52	102	27	181	610
08:00 AM	3	19	80	7	109	2	8	36	18	64	0	31	190	17	238	0	47	87	14	148	559
08:15 AM	1	32	85	14	132	1	11	38	30	80	0	27	132	24	183	0	33	98	16	147	542
Total Volume	4	80	304	48	436	4	27	145	110	286	0	139	717	66	922	0	181	371	74	626	2270
% App. Total	0.9	18.3	69.7	11		1.4	9.4	50.7	38.5		0	15.1	77.8	7.2		0	28.9	59.3	11.8		
PHF	.333	.625	.864	.857	.826	.500	.614	.954	.859	.894	.000	.848	.846	.688	.867	.000	.870	.909	.685	.865	.930



Alliant Engineering, Inc

733 Marquette Ave, Ste 700
Minneapolis, MN 55402

--TRAFFIC DATA--

405_TH 41 & Engler Boulevard
Ref. Pt.: 3.113
data by: Alliant Inc.
TURN MOVEMENT COUNT

File Name : 405_TH 41 & Engler Boulevard
Site Code : 00000405
Start Date : 9/19/2018
Page No : 4

Start Time	TH 41 From North					Engler Boulevard From East					TH 41 From South					Engler Boulevard From West					Int. Total
	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	Peds	Left	Thru	Right	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	1	17	150	38	206	0	11	52	16	79	0	45	158	8	211	0	26	49	32	107	603
04:45 PM	0	27	191	49	267	0	7	67	16	90	0	34	113	15	162	0	26	54	24	104	623
05:00 PM	1	26	173	40	240	0	14	60	19	93	0	42	117	19	178	0	28	55	20	103	614
05:15 PM	3	21	167	47	238	0	18	82	16	116	0	38	129	8	175	0	30	48	24	102	631
Total Volume	5	91	681	174	951	0	50	261	67	378	0	159	517	50	726	0	110	206	100	416	2471
% App. Total	0.5	9.6	71.6	18.3		0	13.2	69	17.7		0	21.9	71.2	6.9		0	26.4	49.5	24		
PHF	.417	.843	.891	.888	.890	.000	.694	.796	.882	.815	.000	.883	.818	.658	.860	.000	.917	.936	.781	.972	.979

