

Alliant Engineering, Inc

233 Park Ave Suite 300
 Minneapolis, MN 55415

--TRAFFIC DATA --

TH-13 and 160th Street
 Ref.Pt.:85+00.557
 data by : Alliant Inc.
 TURN MOVEMENT COUNT

File Name : 506_TH 13 & 160th St
 Site Code : 506
 Start Date : 1/26/2017
 Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	TH 13 From North					160th St From East					TH 13 From South					160th St From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
06:00 AM	0	1	16	0	17	0	2	2	6	10	0	8	72	1	81	0	1	6	8	15	123
06:15 AM	0	4	24	2	30	0	4	1	13	18	0	10	80	1	91	0	3	3	6	12	151
06:30 AM	0	3	31	1	35	0	7	1	5	13	0	29	101	0	130	0	1	8	13	22	200
06:45 AM	0	4	32	2	38	0	0	3	19	22	0	55	111	0	166	0	4	22	10	36	262
Total	0	12	103	5	120	0	13	7	43	63	0	102	364	2	468	0	9	39	37	85	736
07:00 AM	0	10	33	4	47	0	7	13	24	44	0	55	122	2	179	0	5	35	12	52	322
07:15 AM	0	13	66	5	84	0	7	44	56	107	0	42	134	3	179	0	1	23	20	44	414
07:30 AM	0	10	50	4	64	0	8	15	26	49	0	48	155	7	210	0	2	23	30	55	378
07:45 AM	0	7	55	3	65	0	6	17	34	57	0	42	144	1	187	0	2	24	42	68	377
Total	0	40	204	16	260	0	28	89	140	257	0	187	555	13	755	0	10	105	104	219	1491
08:00 AM	0	7	60	9	76	0	4	14	24	42	0	31	108	6	145	0	1	8	13	22	285
08:15 AM	0	10	65	9	84	0	16	11	35	62	0	24	111	1	136	0	1	10	9	20	302
08:30 AM	0	6	58	2	66	0	8	7	16	31	0	20	100	2	122	0	3	8	11	22	241
08:45 AM	0	13	45	2	60	0	3	4	29	36	0	25	79	3	107	0	2	6	9	17	220
Total	0	36	228	22	286	0	31	36	104	171	0	100	398	12	510	0	7	32	42	81	1048
09:00 AM	0	6	48	4	58	0	3	10	17	30	0	34	75	1	110	0	1	13	17	31	229
09:15 AM	0	6	61	4	71	0	10	11	35	56	0	11	78	2	91	0	2	7	16	25	243
*** BREAK ***																					
Total	0	12	109	8	129	0	13	21	52	86	0	45	153	3	201	0	3	20	33	56	472
*** BREAK ***																					
10:30 AM	0	10	60	0	70	0	3	4	17	24	0	7	70	2	79	0	1	5	8	14	187
10:45 AM	0	7	51	1	59	0	3	6	15	24	0	8	72	0	80	0	0	4	16	20	183
Total	0	17	111	1	129	0	6	10	32	48	0	15	142	2	159	0	1	9	24	34	370
11:00 AM	0	3	64	1	68	0	2	7	9	18	0	11	70	1	82	0	3	3	11	17	185
11:15 AM	0	10	77	4	91	0	5	7	13	25	0	10	71	3	84	0	2	6	17	25	225
11:30 AM	0	11	85	4	100	0	7	11	12	30	0	18	76	2	96	0	2	12	16	30	256
11:45 AM	0	11	69	1	81	0	4	12	33	49	0	25	61	3	89	0	3	10	14	27	246
Total	0	35	295	10	340	0	18	37	67	122	0	64	278	9	351	0	10	31	58	99	912
12:00 PM	0	11	70	2	83	0	8	10	31	49	0	22	68	4	94	0	2	14	27	43	269
12:15 PM	0	10	84	1	95	0	17	19	42	78	0	18	81	2	101	0	2	15	17	34	308
12:30 PM	0	12	78	9	99	0	8	14	37	59	0	20	67	2	89	0	3	11	14	28	275
12:45 PM	0	13	81	14	108	0	7	11	28	46	0	21	80	1	102	0	1	12	26	39	295
Total	0	46	313	26	385	0	40	54	138	232	0	81	296	9	386	0	8	52	84	144	1147
01:00 PM	0	14	96	3	113	0	12	25	54	91	0	18	78	2	98	0	3	11	16	30	332
01:15 PM	0	18	94	8	120	0	4	29	48	81	0	20	82	4	106	0	2	11	15	28	335
*** BREAK ***																					
Total	0	32	190	11	233	0	16	54	102	172	0	38	160	6	204	0	5	22	31	58	667
*** BREAK ***																					
02:30 PM	0	17	102	4	123	0	7	14	28	49	0	12	85	1	98	0	4	3	11	18	288
02:45 PM	0	15	93	7	115	0	4	7	26	37	0	16	71	2	89	0	1	4	12	17	258
Total	0	32	195	11	238	0	11	21	54	86	0	28	156	3	187	0	5	7	23	35	546
03:00 PM	0	10	100	3	113	0	3	6	35	44	0	15	75	4	94	0	0	11	8	19	270
03:15 PM	0	18	121	4	143	0	4	8	40	52	0	24	78	6	108	0	2	10	11	23	326
03:30 PM	0	16	111	5	132	0	5	16	38	59	0	28	79	6	113	0	7	15	18	40	344
03:45 PM	0	18	117	3	138	0	5	17	38	60	0	17	76	8	101	0	3	15	21	39	338
Total	0	62	449	15	526	0	17	47	151	215	0	84	308	24	416	0	12	51	58	121	1278
04:00 PM	0	18	139	3	160	0	6	17	44	67	0	21	104	5	130	0	1	21	10	32	389
04:15 PM	0	12	133	3	148	0	4	26	53	83	0	23	93	4	120	0	2	18	35	55	406
04:30 PM	0	16	145	6	167	0	9	19	38	66	0	22	84	4	110	0	4	19	23	46	389
04:45 PM	0	20	150	15	185	0	1	29	34	64	0	17	88	1	106	0	3	23	25	51	406
Total	0	66	567	27	660	0	20	91	169	280	0	83	369	14	466	0	10	81	93	184	1590

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 TURN MOVEMENT COUNT

File Name : 506_TH 13 & 160th St
 Site Code : 506
 Start Date : 1/26/2017
 Page No : 2

Groups Printed- Vehicles - Trucks

Start Time	TH 13 From North					160th St From East					TH 13 From South					160th St From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
05:00 PM	0	18	144	14	176	0	14	20	41	75	0	19	81	7	107	0	5	24	35	64	422
05:15 PM	0	20	136	13	169	0	8	18	47	73	0	20	101	6	127	0	2	17	27	46	415
05:30 PM	0	18	126	5	149	0	13	21	52	86	0	21	76	4	101	0	0	35	27	62	398
05:45 PM	0	7	124	13	144	0	10	26	53	89	0	38	83	5	126	0	0	36	20	56	415
Total	0	63	530	45	638	0	45	85	193	323	0	98	341	22	461	0	7	112	109	228	1650
Grand Total	0	453	3294	197	3944	0	258	552	1245	2055	0	925	3520	119	4564	0	87	561	696	1344	11907
Apprch %	0	11.5	83.5	5		0	12.6	26.9	60.6		0	20.3	77.1	2.6		0	6.5	41.7	51.8		
Total %	0	3.8	27.7	1.7	33.1	0	2.2	4.6	10.5	17.3	0	7.8	29.6	1	38.3	0	0.7	4.7	5.8	11.3	
Vehicles	0	446	3209	193	3848	0	249	546	1176	1971	0	879	3436	119	4434	0	85	545	692	1322	11575
% Vehicles	0	98.5	97.4	98	97.6	0	96.5	98.9	94.5	95.9	0	95	97.6	100	97.2	0	97.7	97.1	99.4	98.4	97.2
Trucks	0	7	85	4	96	0	9	6	69	84	0	46	84	0	130	0	2	16	4	22	332
% Trucks	0	1.5	2.6	2	2.4	0	3.5	1.1	5.5	4.1	0	5	2.4	0	2.8	0	2.3	2.9	0.6	1.6	2.8

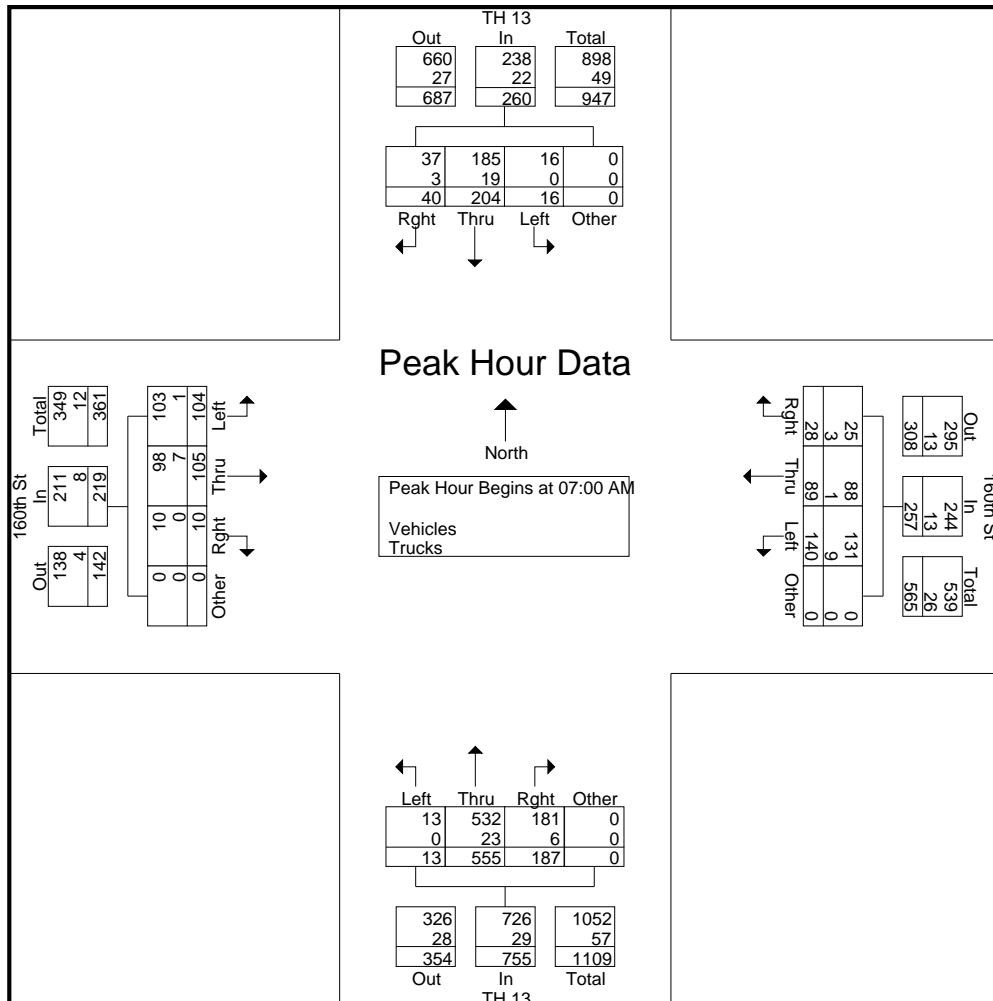
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 Page No : 3

Start Time	TH 13 From North					160th St From East					TH 13 From South					160th St From West					Int. Total
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	0	10	33	4	47	0	7	13	24	44	0	55	122	2	179	0	5	35	12	52	322
07:15 AM	0	13	66	5	84	0	7	44	56	107	0	42	134	3	179	0	1	23	20	44	414
07:30 AM	0	10	50	4	64	0	8	15	26	49	0	48	155	7	210	0	2	23	30	55	378
07:45 AM	0	7	55	3	65	0	6	17	34	57	0	42	144	1	187	0	2	24	42	68	377
Total Volume	0	40	204	16	260	0	28	89	140	257	0	187	555	13	755	0	10	105	104	219	1491
% App. Total	0	15.4	78.5	6.2		0	10.9	34.6	54.5		0	24.8	73.5	1.7		0	4.6	47.9	47.5		
PHF	.000	.769	.773	.800	.774	.000	.875	.506	.625	.600	.000	.850	.895	.464	.899	.000	.500	.750	.619	.805	.900
Vehicles	0	37	185	16	238	0	25	88	131	244	0	181	532	13	726	0	10	98	103	211	1419
% Vehicles																					
Trucks	0	3	19	0	22	0	3	1	9	13	0	6	23	0	29	0	0	7	1	8	72
% Trucks	0	7.5	9.3	0	8.5	0	10.7	1.1	6.4	5.1	0	3.2	4.1	0	3.8	0	0	6.7	1.0	3.7	4.8



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File Name : 506_TH 13 & 160th St
 Site Code : 506
 Start Date : 1/26/2017
 Page No : 4

Start Time	TH 13 From North					160th St From East					TH 13 From South					160th St From West					Int. Total	
	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total		
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 05:00 PM																						
05:00 PM	0	18	144	14	176	0	14	20	41	75	0	19	81	7	107	0	5	24	35	64	422	
05:15 PM	0	20	136	13	169	0	8	18	47	73	0	20	101	6	127	0	2	17	27	46	415	
05:30 PM	0	18	126	5	149	0	13	21	52	86	0	21	76	4	101	0	0	35	27	62	398	
05:45 PM	0	7	124	13	144	0	10	26	53	89	0	38	83	5	126	0	0	36	20	56	415	
Total Volume	0	63	530	45	638	0	45	85	193	323	0	98	341	22	461	0	7	112	109	228	1650	
% App. Total	0	9.9	83.1	7.1		0	13.9	26.3	59.8		0	21.3	74	4.8		0	3.1	49.1	47.8			
PHF	.000	.788	.920	.804	.906	.000	.804	.817	.910	.907	.000	.645	.844	.786	.907	.000	.350	.778	.779	.891	.977	
Vehicles	0	63	524	45	632	0	45	85	193	323	0	98	340	22	460	0	7	112	109	228	1643	
% Vehicles																						
Trucks	0	0	6	0	6	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	7
% Trucks	0	0	1.1	0	0.9	0	0	0	0	0	0	0	0.3	0	0.2	0	0	0	0	0	0	0.4

