

Alliant Engineering

Minneapolis, MN 55415

--TRAFFIC DATA --

TH-10 at Proctor Ave NW ELK RIVER

Ref.Pt.:

Alliant Eng.

TURN MOVEMENT COUNT

File Name : 402_TH 10 & Proctor Ave

Site Code : 402

Start Date : 4/5/2016

Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	Proctor Ave NW Southbound				TH-10 Westbound				Proctor Ave NW Northbound				TH-10 Eastbound				Int. Total
	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	
06:00	91	7	20	0	0	77	3	0	1	4	1	0	24	350	7	0	585
06:15	96	7	28	0	0	97	14	0	4	10	1	0	38	377	2	0	674
06:30	84	16	33	0	0	104	13	0	1	20	0	0	32	386	4	0	693
06:45	89	11	28	0	1	119	30	0	4	38	0	0	41	441	7	0	809
Total	360	41	109	0	1	397	60	0	10	72	2	0	135	1554	20	0	2761
07:00	101	23	49	0	0	90	11	0	9	34	1	0	51	326	10	0	705
07:15	105	17	43	0	0	133	24	0	13	32	0	0	53	384	14	0	818
07:30	87	21	42	0	0	130	29	0	10	22	1	0	51	400	11	0	804
07:45	94	33	63	0	0	163	38	0	5	30	5	0	59	299	15	0	804
Total	387	94	197	0	0	516	102	0	37	118	7	0	214	1409	50	0	3131
08:00	70	37	45	0	1	139	28	0	6	26	0	0	30	239	11	0	632
08:15	52	27	31	0	2	139	13	0	2	28	0	0	27	195	13	0	529
08:30	52	17	23	0	1	137	16	0	7	13	2	0	18	243	11	0	540
08:45	44	40	38	0	6	128	17	0	8	42	6	0	45	214	13	0	601
Total	218	121	137	0	10	543	74	0	23	109	8	0	120	891	48	0	2302
09:00	60	24	45	0	2	107	22	0	4	24	4	0	25	150	10	0	477
09:15	34	13	42	0	1	133	16	0	8	16	2	0	34	214	4	0	517
*** BREAK ***																	
Total	94	37	87	0	3	240	38	0	12	40	6	0	59	364	14	0	994
*** BREAK ***																	
10:30	33	18	25	0	0	113	10	0	6	15	1	0	24	146	9	0	400
10:45	33	11	21	0	0	116	15	0	4	13	1	0	28	142	6	0	390
Total	66	29	46	0	0	229	25	0	10	28	2	0	52	288	15	0	790
11:00	32	22	28	0	4	104	13	0	8	18	5	0	26	149	7	0	416
11:15	44	12	25	0	1	139	16	0	5	23	10	0	28	192	7	0	502
11:30	29	23	40	0	1	139	12	0	7	25	4	0	43	173	5	1	502
11:45	19	8	36	0	0	137	15	0	7	14	2	0	37	188	3	0	466
Total	124	65	129	0	6	519	56	0	27	80	21	0	134	702	22	1	1886
12:00	28	14	38	0	1	137	16	0	11	19	6	0	47	163	9	0	489
12:15	23	19	44	0	1	164	15	0	7	20	2	0	29	184	6	0	514
12:30	27	10	41	0	0	170	18	0	11	25	6	0	22	176	11	0	517
12:45	35	18	44	0	0	143	15	0	6	18	1	0	32	186	5	0	503
Total	113	61	167	0	2	614	64	0	35	82	15	0	130	709	31	0	2023
13:00	19	17	61	0	0	158	21	0	5	29	1	0	27	192	9	0	539
13:15	20	14	51	0	0	149	21	0	5	11	0	0	32	148	5	0	456
*** BREAK ***																	
Total	39	31	112	0	0	307	42	0	10	40	1	0	59	340	14	0	995
*** BREAK ***																	
14:30	32	9	52	0	0	214	37	0	5	24	2	0	57	249	8	0	689
14:45	25	25	50	0	1	233	47	0	4	20	0	0	48	168	9	0	630
Total	57	34	102	0	1	447	84	0	9	44	2	0	105	417	17	0	1319
15:00	70	19	73	0	1	277	33	0	7	25	2	0	34	210	3	0	754
15:15	35	21	44	0	1	269	41	0	17	30	4	0	50	215	8	0	735
15:30	43	25	57	0	0	321	40	0	10	42	5	0	34	287	11	0	875
15:45	39	23	64	0	0	387	60	0	18	35	2	0	54	214	3	0	899
Total	187	88	238	0	2	1254	174	0	52	132	13	0	172	926	25	0	3263
16:00	53	27	58	0	1	371	63	0	21	25	4	0	60	215	12	0	910
16:15	39	22	63	0	0	308	53	0	21	57	1	0	43	244	2	0	853
16:30	43	32	65	0	2	363	72	0	25	53	0	0	82	313	10	0	1060

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Site Code : 402

Start Date : 4/5/2016

Page No : 2

Groups Printed- Vehicles - Trucks

Start Time	Procter Ave NW Southbound				TH-10 Westbound				Procter Ave NW Northbound				TH-10 Eastbound				Int. Total
	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	
16:45	49	23	71	1	0	355	61	0	14	48	3	0	93	254	10	0	982
Total	184	104	257	1	3	1397	249	0	81	183	8	0	278	1026	34	0	3805
17:00	40	24	70	0	1	334	65	0	21	41	3	0	65	205	7	0	876
17:15	41	28	56	0	1	331	60	0	21	39	1	0	68	230	9	0	885
17:30	40	26	52	0	0	371	52	0	16	26	1	0	59	209	7	0	859
17:45	24	30	68	0	1	299	73	0	9	39	1	0	56	181	14	0	795
Total	145	108	246	0	3	1335	250	0	67	145	6	0	248	825	37	0	3415
Grand Total	1974	813	1827	1	31	7798	1218	0	373	1073	91	0	1706	9451	327	1	26684
Apprch %	42.8	17.6	39.6	0	0.3	86.2	13.5	0	24.3	69.8	5.9	0	14.9	82.3	2.8	0	
Total %	7.4	3	6.8	0	0.1	29.2	4.6	0	1.4	4	0.3	0	6.4	35.4	1.2	0	
Vehicles	1901	773	1761	1	31	7506	1152	0	364	1000	82	0	1660	9040	319	1	25591
% Vehicles	96.3	95.1	96.4	100	100	96.3	94.6	0	97.6	93.2	90.1	0	97.3	95.7	97.6	100	95.9
Trucks	73	40	66	0	0	292	66	0	9	73	9	0	46	411	8	0	1093
% Trucks	3.7	4.9	3.6	0	0	3.7	5.4	0	2.4	6.8	9.9	0	2.7	4.3	2.4	0	4.1

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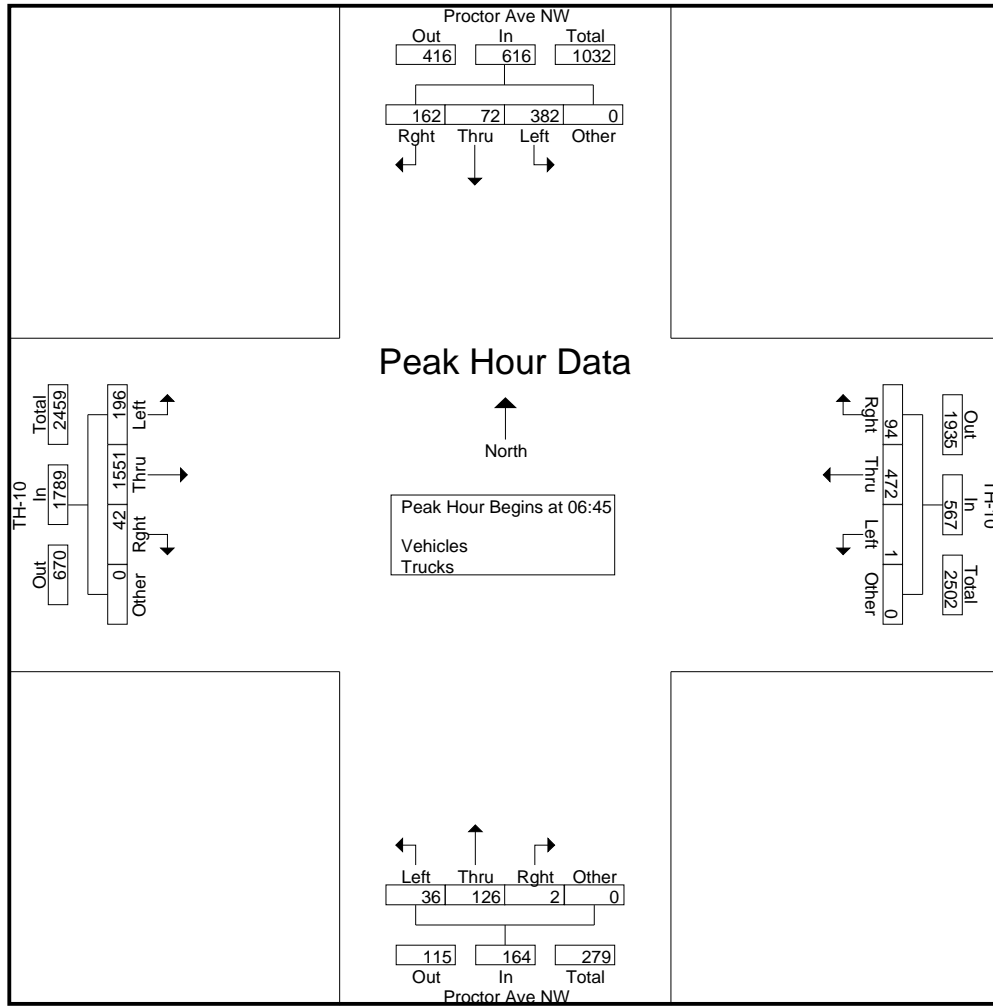
File Name : 402_TH 10 & Procter Ave

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Start Time	Procter Ave NW Southbound					TH-10 Westbound					Procter Ave NW Northbound					TH-10 Eastbound					Int. Total
	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45																					
06:45	89	11	28	0	128	1	119	30	0	150	4	38	0	0	42	41	441	7	0	489	809
07:00	101	23	49	0	173	0	90	11	0	101	9	34	1	0	44	51	326	10	0	387	705
07:15	105	17	43	0	165	0	133	24	0	157	13	32	0	0	45	53	384	14	0	451	818
07:30	87	21	42	0	150	0	130	29	0	159	10	22	1	0	33	51	400	11	0	462	804
Total Volume	382	72	162	0	616	1	472	94	0	567	36	126	2	0	164	196	1551	42	0	1789	3136
% App. Total	62	11.7	26.3	0		0.2	83.2	16.6	0		22	76.8	1.2	0		11	86.7	2.3	0		
PHF	.910	.783	.827	.000	.890	.250	.887	.783	.000	.892	.692	.829	.500	.000	.911	.925	.879	.750	.000	.915	.958



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	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	Left	Thru	Rght	Other	App. Total	
Peak Hour Analysis From 12:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:00																					
16:00	53	27	58	0	138	1	371	63	0	435	21	25	4	0	50	60	215	12	0	287	910
16:15	39	22	63	0	124	0	308	53	0	361	21	57	1	0	79	43	244	2	0	289	853
16:30	43	32	65	0	140	2	363	72	0	437	25	53	0	0	78	82	313	10	0	405	1060
16:45	49	23	71	1	144	0	355	61	0	416	14	48	3	0	65	93	254	10	0	357	982
Total Volume	184	104	257	1	546	3	1397	249	0	1649	81	183	8	0	272	278	1026	34	0	1338	3805
% App. Total	33.7	19	47.1	0.2		0.2	84.7	15.1	0		29.8	67.3	2.9	0		20.8	76.7	2.5	0		
PHF	.868	.813	.905	.250	.948	.375	.941	.865	.000	.943	.810	.803	.500	.000	.861	.747	.819	.708	.000	.826	.897

