

# Alliant Engineering

Minneapolis, MN 55415

--TRAFFIC DATA --

TH-101 at Co.Rd.37-70th St NE WEST RAMP

Ref.Pt.: 043.651

Alliant Eng.

TURN MOVEMENT COUNTS

File Name : 111\_TH 101 and CR 37 W Ramp

Site Code : 111

Start Date : 2/25/2016

Page No : 1

Groups Printed- Vehicles - Trucks

Start Time	TH-101 , West Ramps Southbound				Co.Rd.37 / 70th St NE Westbound				TH-101 , West Ramps Northbound				Co.Rd.37 / 70th St NE Eastbound				Int. Total
	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	
06:00	4	21	2	0	3	4	0	0	0	0	0	0	0	14	44	0	92
06:15	5	28	3	0	5	6	0	0	0	0	0	0	0	24	60	0	131
06:30	9	31	2	0	4	4	0	0	0	0	0	0	0	23	59	0	132
06:45	14	42	5	0	8	6	0	0	0	0	0	0	0	18	64	0	157
Total	32	122	12	0	20	20	0	0	0	0	0	0	0	79	227	0	512
07:00	17	34	7	0	6	15	1	0	0	0	0	0	0	29	84	0	193
07:15	10	46	16	0	4	11	0	0	0	0	0	0	0	29	85	0	201
07:30	3	41	12	0	3	10	0	0	0	0	0	0	0	35	45	0	149
07:45	12	37	17	0	2	5	1	0	0	0	0	0	0	28	71	0	173
Total	42	158	52	0	15	41	2	0	0	0	0	0	0	121	285	0	716
08:00	3	21	7	0	7	10	2	0	0	0	0	0	0	23	48	0	121
08:15	10	23	7	0	2	11	3	0	0	0	0	0	0	22	33	0	111
08:30	3	30	5	0	7	2	0	0	0	0	0	0	0	15	39	0	101
08:45	2	21	6	0	5	10	2	0	0	0	0	0	0	23	30	0	99
Total	18	95	25	0	21	33	7	0	0	0	0	0	0	83	150	0	432
09:00	5	28	5	0	2	4	0	0	0	0	0	0	0	16	40	0	100
09:15	2	27	7	0	3	11	1	0	0	0	0	0	0	9	21	0	81
*** BREAK ***																	
Total	7	55	12	0	5	15	1	0	0	0	0	0	0	25	61	0	181
*** BREAK ***																	
10:30	4	11	6	0	3	9	0	0	0	0	0	0	1	14	6	0	54
10:45	1	7	4	0	6	11	3	0	0	0	0	0	0	13	22	0	67
Total	5	18	10	0	9	20	3	0	0	0	0	0	1	27	28	0	121
11:00	1	16	8	0	5	13	3	0	0	0	0	0	0	11	13	0	70
11:15	3	9	3	0	4	9	0	0	0	0	0	0	0	8	18	0	54
11:30	6	16	8	0	10	12	2	0	0	0	0	0	0	9	15	0	78
11:45	2	9	8	0	3	12	2	0	0	0	0	0	0	12	25	0	73
Total	12	50	27	0	22	46	7	0	0	0	0	0	0	40	71	0	275
12:00	5	18	3	0	8	14	2	0	0	0	0	0	0	14	17	0	81
12:15	3	10	9	0	6	13	3	0	0	0	0	0	1	15	9	0	69
12:30	1	13	3	0	4	8	4	0	0	0	0	0	0	8	15	0	56
12:45	4	18	3	0	10	17	2	0	0	0	0	0	0	15	12	0	81
Total	13	59	18	0	28	52	11	0	0	0	0	0	1	52	53	0	287
13:00	3	12	5	0	4	19	2	0	0	0	0	0	1	13	16	0	75
13:15	8	14	8	0	2	18	3	0	0	0	0	0	0	16	18	0	87
*** BREAK ***																	
Total	11	26	13	0	6	37	5	0	0	0	0	0	1	29	34	0	162
*** BREAK ***																	
14:30	5	8	4	0	10	40	7	0	0	0	0	0	0	16	10	0	100
14:45	2	17	12	0	3	33	5	0	0	0	0	0	0	8	27	0	107
Total	7	25	16	0	13	73	12	0	0	0	0	0	0	24	37	0	207
15:00	6	12	9	0	6	35	9	0	0	0	0	0	0	15	18	0	110
15:15	4	15	12	0	11	28	5	0	0	0	0	0	3	16	16	0	110
15:30	4	17	14	0	8	43	10	0	0	0	0	0	1	13	20	0	130
15:45	3	18	13	0	4	41	5	0	0	0	0	0	0	16	20	0	120
Total	17	62	48	0	29	147	29	0	0	0	0	0	4	60	74	0	470
16:00	3	20	11	0	10	47	7	0	0	0	0	0	0	18	20	0	136
16:15	1	16	13	0	2	43	11	0	0	0	0	0	1	19	25	0	131
16:30	1	26	13	0	5	65	16	0	0	0	0	0	0	22	23	0	171

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Groups Printed- Vehicles - Trucks

Start Time	TH-101 , West Ramps Southbound				Co.Rd.37 / 70th St NE Westbound				TH-101 , West Ramps Northbound				Co.Rd.37 / 70th St NE Eastbound				Int. Total
	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	Left	Thru	Rght	Other	
16:45	1	18	11	0	5	60	7	0	0	0	0	0	0	23	33	0	158
Total	6	80	48	0	22	215	41	0	0	0	0	0	1	82	101	0	596
17:00	4	12	11	0	4	53	6	0	0	0	0	0	0	21	25	0	136
17:15	2	17	16	0	2	57	16	0	0	0	0	0	0	29	22	0	161
17:30	8	18	14	0	4	48	19	0	0	0	0	0	0	20	17	0	148
17:45	5	18	9	0	6	41	10	0	0	0	0	0	0	20	39	0	148
Total	19	65	50	0	16	199	51	0	0	0	0	0	0	90	103	0	593
Grand Total	189	815	331	0	206	898	169	0	0	0	0	0	8	712	1224	0	4552
Apprch %	14.2	61	24.8	0	16.2	70.5	13.3	0	0	0	0	0	0.4	36.6	63	0	
Total %	4.2	17.9	7.3	0	4.5	19.7	3.7	0	0	0	0	0	0.2	15.6	26.9	0	
Vehicles	163	781	319	0	145	858	165	0	0	0	0	0	7	659	1174	0	4271
% Vehicles	86.2	95.8	96.4	0	70.4	95.5	97.6	0	0	0	0	0	87.5	92.6	95.9	0	93.8
Trucks	26	34	12	0	61	40	4	0	0	0	0	0	1	53	50	0	281
% Trucks	13.8	4.2	3.6	0	29.6	4.5	2.4	0	0	0	0	0	12.5	7.4	4.1	0	6.2

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	Left	Thru	Right	Other	App. Total	Left	Thru	Right	Other	App. Total	Left	Thru	Right	Other	App. Total	Left	Thru	Right	Other	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	17	34	7	0	58	6	15	1	0	22	0	0	0	0	0	0	29	84	0	113	193
07:15	10	46	16	0	72	4	11	0	0	15	0	0	0	0	0	0	29	85	0	114	201
07:30	3	41	12	0	56	3	10	0	0	13	0	0	0	0	0	0	35	45	0	80	149
07:45	12	37	17	0	66	2	5	1	0	8	0	0	0	0	0	0	28	71	0	99	173
Total Volume	42	158	52	0	252	15	41	2	0	58	0	0	0	0	0	0	121	285	0	406	716
% App. Total	16.7	62.7	20.6	0		25.9	70.7	3.4	0		0	0	0	0	0	0	29.8	70.2	0		
PHF	.618	.859	.765	.000	.875	.625	.683	.500	.000	.659	.000	.000	.000	.000	.000	.000	.864	.838	.000	.890	.891

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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 16:30																					
16:30	1	26	13	0	40	5	65	16	0	86	0	0	0	0	0	0	22	23	0	45	171
16:45	1	18	11	0	30	5	60	7	0	72	0	0	0	0	0	0	23	33	0	56	158
17:00	4	12	11	0	27	4	53	6	0	63	0	0	0	0	0	0	21	25	0	46	136
17:15	2	17	16	0	35	2	57	16	0	75	0	0	0	0	0	0	29	22	0	51	161
Total Volume	8	73	51	0	132	16	235	45	0	296	0	0	0	0	0	0	95	103	0	198	626
% App. Total	6.1	55.3	38.6	0		5.4	79.4	15.2	0		0	0	0	0		0	48	52	0		
PHF	.500	.702	.797	.000	.825	.800	.904	.703	.000	.860	.000	.000	.000	.000	.000	.000	.819	.780	.000	.884	.915