

# Alliant Engineering

Minneapolis, MN 55415

--TRAFFIC DATA --

TH-12 at Carlson Parkway, SOUTH RAMPS

Ref.Pt.: 156.558

data by Alliant Engineering

TURN MOVEMENT COUNT

File Name : 504 - Carlson Parkway & TH12 South Ramp

Site Code : 504

Start Date : 2/11/2014

Page No : 1

Groups Printed- Cars

Start Time	Carlson Parkway Southbound					Oakland Road Westbound					Carlson Parkway Northbound					TH 12 South Ramp Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
06:00	0	1	11	13	0	0	0	2	4	0	0	9	2	0	0	0	8	0	0	0	50
06:15	0	3	9	19	0	0	1	6	2	0	0	20	3	0	0	0	13	3	0	0	79
06:30	0	2	14	19	0	0	1	6	4	0	0	23	7	1	0	0	16	5	1	0	99
06:45	0	4	11	25	0	0	1	5	5	0	0	21	15	2	0	0	25	6	0	0	120
Total	0	10	45	76	0	0	3	19	15	0	0	73	27	3	0	0	62	14	1	0	348
07:00	0	3	17	40	0	0	3	14	11	1	0	34	12	1	0	0	30	9	2	0	177
07:15	1	3	35	39	0	0	1	14	8	0	0	35	12	1	0	0	31	5	1	0	186
07:30	0	11	28	38	0	0	2	7	10	0	0	40	11	2	0	0	35	13	3	0	200
07:45	0	9	35	48	0	0	3	18	13	0	0	36	24	5	0	0	47	9	3	0	250
Total	1	26	115	165	0	0	9	53	42	1	0	145	59	9	0	0	143	36	9	0	813
08:00	0	6	24	34	0	0	3	15	19	0	0	23	20	6	0	0	50	10	2	0	212
08:15	0	10	29	34	0	0	1	8	17	0	0	22	19	5	0	0	39	15	1	0	200
08:30	0	12	26	43	0	0	5	7	16	0	0	22	14	5	0	0	43	16	4	0	213
08:45	0	10	24	42	0	0	2	9	16	0	0	36	12	8	0	0	37	8	3	0	207
Total	0	38	103	153	0	0	11	39	68	0	0	103	65	24	0	0	169	49	10	0	832
09:00	1	13	19	39	0	0	2	12	19	0	0	11	12	4	0	0	29	9	1	0	171
09:15	0	8	9	29	0	0	3	5	9	0	0	8	7	4	0	0	20	7	4	0	113
*****BREAK*****																					
Total	1	21	28	68	0	0	5	17	28	0	0	19	19	8	0	0	49	16	5	0	284
*****BREAK*****																					
10:30	0	12	11	38	0	0	6	5	14	0	0	13	6	0	0	0	22	9	2	0	138
10:45	0	7	14	40	0	0	9	9	17	0	0	12	6	7	0	0	20	16	3	0	160
Total	0	19	25	78	0	0	15	14	31	0	0	25	12	7	0	0	42	25	5	0	298
11:00	0	13	15	51	0	1	8	5	20	0	0	11	2	5	0	0	16	10	5	0	162
11:15	0	13	14	56	0	0	6	4	16	0	0	18	5	9	0	0	16	9	2	0	168
11:30	1	12	15	65	0	0	6	5	29	0	0	22	9	6	0	0	13	12	4	0	199
11:45	3	13	13	55	0	0	5	2	28	1	0	13	8	7	0	0	13	13	1	0	175
Total	4	51	57	227	0	1	25	16	93	1	0	64	24	27	0	0	58	44	12	0	704
12:00	1	10	14	76	0	0	7	3	25	1	0	13	10	4	0	0	19	10	6	0	199
12:15	0	16	20	60	0	0	3	3	33	0	0	15	11	3	0	0	20	7	4	0	195
12:30	0	13	26	52	0	0	12	4	38	0	0	11	3	4	0	0	30	6	4	0	203
12:45	0	16	15	33	0	0	4	11	31	0	0	13	7	1	0	0	19	15	2	0	167
Total	1	55	75	221	0	0	26	21	127	1	0	52	31	12	0	0	88	38	16	0	764
13:00	0	6	12	43	0	0	11	4	41	0	0	15	9	4	0	0	23	8	3	0	179
13:15	0	13	20	42	0	0	5	2	26	0	0	15	8	3	0	0	21	16	3	0	174
*****BREAK*****																					
Total	0	19	32	85	0	0	16	6	67	0	0	30	17	7	0	0	44	24	6	0	353
*****BREAK*****																					
14:30	0	10	20	56	0	0	8	8	32	0	0	18	12	5	0	0	16	7	3	0	195
14:45	1	12	32	35	0	0	6	7	39	0	0	19	8	6	0	0	16	7	2	0	190
Total	1	22	52	91	0	0	14	15	71	0	0	37	20	11	0	0	32	14	5	0	385
15:00	0	12	14	74	0	0	9	5	44	0	0	16	9	3	0	0	20	7	5	0	218
15:15	0	6	20	60	0	0	5	4	33	0	0	14	11	5	0	0	12	11	3	0	184
15:30	1	10	26	101	0	0	10	11	44	0	0	17	18	6	0	0	7	12	5	0	268
15:45	0	22	24	73	0	0	11	3	29	0	0	19	8	10	0	0	25	20	3	0	247
Total	1	50	84	308	0	0	35	23	150	0	0	66	46	24	0	0	64	50	16	0	917
16:00	1	23	35	124	0	0	10	9	42	1	1	26	9	5	0	0	29	11	6	0	332
16:15	0	9	28	115	0	0	14	7	43	0	0	21	5	5	0	0	16	15	5	0	283
16:30	0	19	24	150	0	0	7	5	39	0	0	28	23	10	0	0	27	9	12	0	353
16:45	0	23	37	149	0	0	12	6	44	0	0	32	17	10	0	0	21	11	6	0	368
Total	1	74	124	538	0	0	43	27	168	1	1	107	54	30	0	0	93	46	29	0	1336

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TURN MOVEMENT COUNT

File Name : 504 - Carlson Parkway & TH12 South Ramp

Site Code : 504

Start Date : 2/11/2014

Page No : 2

Groups Printed- Cars

Start Time	Carlson Parkway Southbound					Oakland Road Westbound					Carlson Parkway Northbound					TH 12 South Ramp Eastbound					Int. Total
	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	UTrn	Left	Thru	Right	Peds	
17:00	1	18	27	186	0	0	22	8	66	0	0	32	12	7	0	0	10	11	4	0	404
17:15	0	24	43	149	0	0	17	14	43	0	0	21	16	14	0	0	18	13	1	0	373
17:30	0	22	32	131	0	1	12	3	49	0	0	22	15	2	0	0	21	9	2	0	321
17:45	1	22	33	85	0	0	9	6	45	0	0	16	20	10	0	0	16	13	8	0	284
Total	2	86	135	551	0	1	60	31	203	0	0	91	63	33	0	0	65	46	15	0	1382
Grand Total	12	471	875	2561	0	2	262	281	1063	4	1	812	437	195	0	0	909	402	129	0	8416
Apprch %	0.3	12	22.3	65.3	0	0.1	16.3	17.4	65.9	0.2	0.1	56.2	30.2	13.5	0	0	63.1	27.9	9	0	
Total %	0.1	5.6	10.4	30.4	0	0	3.1	3.3	12.6	0	0	9.6	5.2	2.3	0	0	10.8	4.8	1.5	0	

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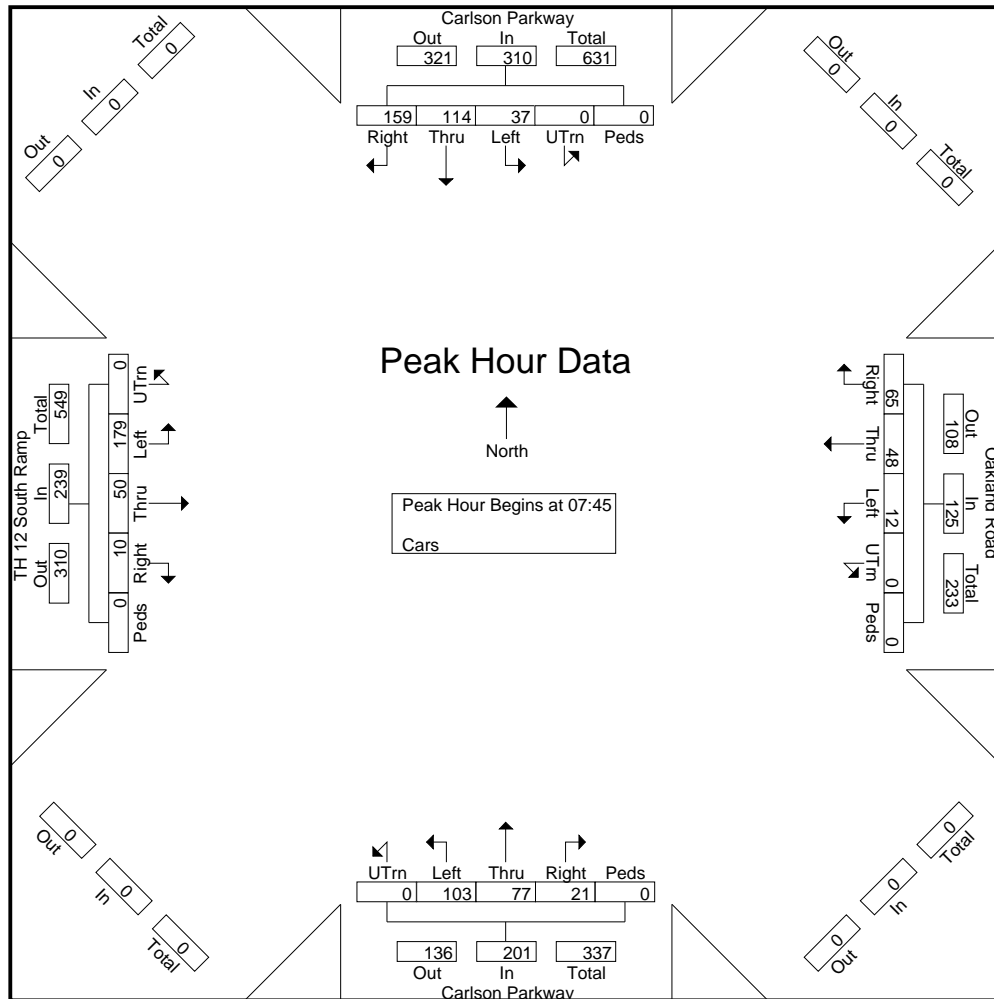
Site Code : 504

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Start Time	Carlson Parkway Southbound						Oakland Road Westbound						Carlson Parkway Northbound						TH 12 South Ramp Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
07:45	0	9	35	48	0	92	0	3	18	13	0	34	0	36	24	5	0	65	0	47	9	3	0	59	250
08:00	0	6	24	34	0	64	0	3	15	19	0	37	0	23	20	6	0	49	0	50	10	2	0	62	212
08:15	0	10	29	34	0	73	0	1	8	17	0	26	0	22	19	5	0	46	0	39	15	1	0	55	200
08:30	0	12	26	43	0	81	0	5	7	16	0	28	0	22	14	5	0	41	0	43	16	4	0	63	213
Total Volume	0	37	114	159	0	310	0	12	48	65	0	125	0	103	77	21	0	201	0	179	50	10	0	239	875
% App. Total	0	11.9	36.8	51.3	0		0	9.6	38.4	52	0		0	51.2	38.3	10.4	0		0	74.9	20.9	4.2	0		
PHF	.000	.771	.814	.828	.000	.842	.000	.600	.667	.855	.000	.845	.000	.715	.802	.875	.000	.773	.000	.895	.781	.625	.000	.948	.875

Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 07:45



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Start Time	Carlson Parkway Southbound						Oakland Road Westbound						Carlson Parkway Northbound						TH 12 South Ramp Eastbound						Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	
16:30	0	19	24	150	0	193	0	7	5	39	0	51	0	28	23	10	0	61	0	27	9	12	0	48	353
16:45	0	23	37	149	0	209	0	12	6	44	0	62	0	32	17	10	0	59	0	21	11	6	0	38	368
17:00	1	18	27	186	0	232	0	22	8	66	0	96	0	32	12	7	0	51	0	10	11	4	0	25	404
17:15	0	24	43	149	0	216	0	17	14	43	0	74	0	21	16	14	0	51	0	18	13	1	0	32	373
Total Volume	1	84	131	634	0	850	0	58	33	192	0	283	0	113	68	41	0	222	0	76	44	23	0	143	1498
% App. Total	0.1	9.9	15.4	74.6	0		0	20.5	11.7	67.8	0		0	50.9	30.6	18.5	0		0	53.1	30.8	16.1	0		
PHF	.250	.875	.762	.852	.000	.916	.000	.659	.589	.727	.000	.737	.000	.883	.739	.732	.000	.910	.000	.704	.846	.479	.000	.745	.927

Peak Hour Analysis From 12:00 to 17:45 - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 16:30

