

# Albeck Gerken, Inc

Transportation Engineers

Traffic Data Collection

Lake Rd at Courtly Rd  
Woodbury, MN  
Ref.Pt.: East of I-494  
TURN MOVEMENT COUNT

File Name : 21 Lake Rd & Courtly Rd  
Site Code : 21  
Start Date : 1/13/2012  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

Start Time	Lake Rd Southbound				Courtly Rd Westbound				Lake Rd Northbound				Courtly Rd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	7	16	1	0	0	0	14	0	0	102	0	0	7	2	0	0	149
06:15	18	26	2	0	1	0	30	0	0	107	2	0	13	4	1	1	205
06:30	8	25	0	0	0	2	36	0	1	186	1	0	14	5	2	0	280
06:45	13	40	3	0	1	2	43	0	1	197	1	0	17	7	4	2	331
Total	46	107	6	0	2	4	123	0	2	592	4	0	51	18	7	3	965
07:00	12	43	2	0	0	4	41	0	1	226	0	0	22	5	6	0	362
07:15	33	67	4	0	0	2	57	0	3	241	5	0	22	5	1	0	440
07:30	20	46	4	0	0	4	45	0	0	287	1	0	22	6	7	0	442
07:45	11	66	5	0	1	8	50	0	5	251	1	0	20	11	8	0	437
Total	76	222	15	0	1	18	193	0	9	1005	7	0	86	27	22	0	1681
08:00	24	47	2	0	2	7	45	0	2	195	5	1	9	15	1	0	355
08:15	11	69	7	0	3	7	46	0	1	209	1	0	11	19	4	1	389
08:30	13	41	5	0	1	4	30	0	1	150	0	0	9	6	1	1	262
08:45	10	46	3	0	1	2	28	0	1	125	2	0	14	9	10	0	251
Total	58	203	17	0	7	20	149	0	5	679	8	1	43	49	16	2	1257
09:00	10	56	2	0	1	0	28	0	0	113	1	0	8	5	4	0	228
09:15	13	52	5	0	1	1	13	0	2	101	0	0	6	2	6	1	203
09:30	9	50	8	0	0	3	18	0	2	79	2	0	9	1	2	2	185
09:45	10	44	5	0	1	3	19	0	1	74	1	0	9	1	1	0	169
Total	42	202	20	0	3	7	78	0	5	367	4	0	32	9	13	3	785
10:00	11	61	8	0	1	5	13	0	0	68	0	0	7	0	5	0	179
10:15	7	47	2	0	0	0	8	0	0	63	5	0	6	3	2	0	143
10:30	7	49	8	0	2	3	20	0	0	69	1	0	7	4	0	0	170
10:45	18	63	4	0	3	2	12	0	2	66	2	0	6	4	4	0	186
Total	43	220	22	0	6	10	53	0	2	266	8	0	26	11	11	0	678
11:00	8	66	6	0	1	6	11	0	2	70	1	0	3	4	1	0	179
11:15	8	66	4	0	0	6	19	0	2	73	2	0	4	2	3	0	189
11:30	14	66	3	0	0	3	13	0	1	64	1	0	7	5	2	0	179
11:45	11	76	6	0	1	2	17	0	3	69	1	0	6	2	2	0	196
Total	41	274	19	0	2	17	60	0	8	276	5	0	20	13	8	0	743
12:00	23	77	1	0	1	7	30	0	1	57	0	0	4	5	1	0	207
12:15	22	65	9	0	0	5	18	0	2	64	3	0	7	5	0	0	200
12:30	19	58	11	0	1	5	8	0	3	74	2	1	5	3	3	1	194
12:45	22	61	9	0	1	7	23	0	3	81	0	0	3	1	1	0	212
Total	86	261	30	0	3	24	79	0	9	276	5	1	19	14	5	1	813
13:00	15	72	4	0	4	2	23	0	2	71	1	0	8	3	1	0	206
13:15	13	84	6	0	4	2	14	0	0	52	1	0	7	2	3	2	190
13:30	11	76	6	0	2	1	16	0	1	62	1	0	6	2	5	0	189
13:45	15	77	5	0	1	2	19	0	0	74	4	0	5	3	2	0	207
Total	54	309	21	0	11	7	72	0	3	259	7	0	26	10	11	2	792
14:00	19	90	6	0	2	9	15	0	2	55	2	0	6	3	7	0	216
14:15	19	104	8	0	4	4	19	0	2	84	0	0	5	3	5	0	257
14:30	22	114	7	0	2	4	12	0	2	81	0	3	7	5	6	3	268
14:45	25	110	9	0	3	5	25	0	7	95	3	0	7	7	7	1	304
Total	85	418	30	0	11	22	71	0	13	315	5	3	25	18	25	4	1045
15:00	22	120	8	0	1	6	13	0	2	77	4	0	4	3	2	0	262
15:15	31	139	8	0	1	12	19	0	9	100	0	0	6	7	3	0	335
15:30	36	122	5	0	5	4	29	0	3	76	4	1	12	5	4	1	307
15:45	38	143	16	1	1	8	26	0	5	85	1	3	7	4	3	4	345
Total	127	524	37	1	8	30	87	0	19	338	9	4	29	19	12	5	1249

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## Groups Printed- Cars - Heavy Vehicles

Start Time	Lake Rd Southbound				Courtly Rd Westbound				Lake Rd Northbound				Courtly Rd Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
16:00	35	172	11	0	2	4	24	0	7	103	2	1	11	8	2	0	382
16:15	29	190	18	0	2	3	26	0	2	77	1	5	9	3	2	5	372
16:30	27	173	15	0	5	10	21	0	3	70	2	0	4	8	3	4	345
16:45	38	222	18	0	2	4	13	0	1	81	3	5	11	8	8	5	419
Total	129	757	62	0	11	21	84	0	13	331	8	11	35	27	15	14	1518
17:00	37	231	21	0	5	8	31	0	4	67	2	0	12	6	4	0	428
17:15	40	236	15	0	2	11	21	0	4	89	4	1	9	9	8	0	449
17:30	38	240	21	0	2	12	21	0	10	86	3	0	14	8	4	1	460
17:45	51	178	13	1	4	10	26	0	4	93	11	0	7	6	9	0	413
Total	166	885	70	1	13	41	99	0	22	335	20	1	42	29	25	1	1750
18:00	37	171	11	1	2	6	16	0	6	79	0	0	12	6	7	0	354
18:15	31	161	12	0	4	3	20	0	8	71	2	0	6	14	2	0	334
18:30	25	126	11	0	2	8	24	0	3	72	2	1	9	4	4	3	294
18:45	30	123	11	0	1	4	17	0	5	79	5	1	7	2	4	0	289
Total	123	581	45	1	9	21	77	0	22	301	9	2	34	26	17	3	1271
Grand Total	1076	4963	394	3	87	242	1225	0	132	5340	99	23	468	270	187	38	14547
Apprch %	16.7	77.1	6.1	0	5.6	15.6	78.8	0	2.4	95.5	1.8	0.4	48.6	28	19.4	3.9	
Total %	7.4	34.1	2.7	0	0.6	1.7	8.4	0	0.9	36.7	0.7	0.2	3.2	1.9	1.3	0.3	
Cars	1041	4852	384	3	74	235	1189	0	127	5245	94	23	456	260	175	37	14195
% Cars	96.7	97.8	97.5	100	85.1	97.1	97.1	0	96.2	98.2	94.9	100	97.4	96.3	93.6	97.4	97.6
Heavy Vehicles	35	111	10	0	13	7	36	0	5	95	5	0	12	10	12	1	352
% Heavy Vehicles	3.3	2.2	2.5	0	14.9	2.9	2.9	0	3.8	1.8	5.1	0	2.6	3.7	6.4	2.6	2.4

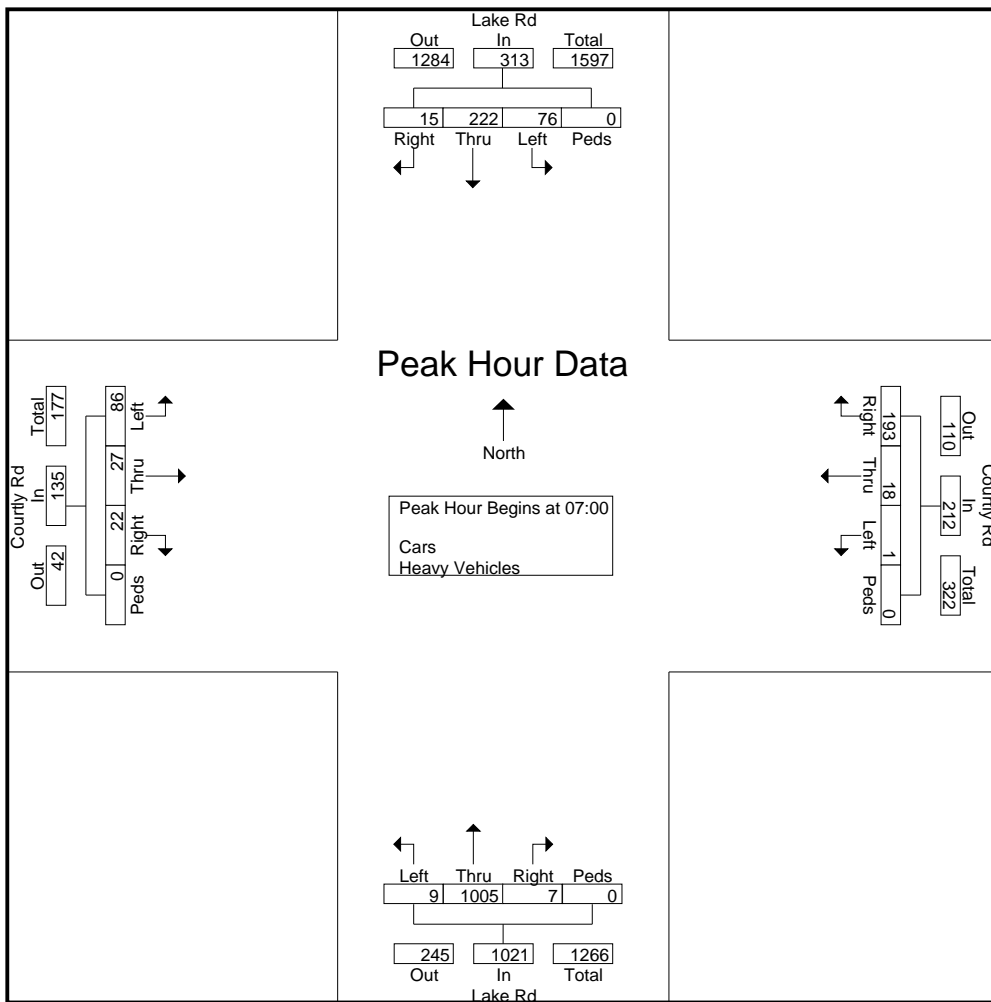
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 to 09:00 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00																					
07:00	12	43	2	0	57	0	4	41	0	45	1	226	0	0	227	22	5	6	0	33	362
07:15	33	67	4	0	104	0	2	57	0	59	3	241	5	0	249	22	5	1	0	28	440
07:30	20	46	4	0	70	0	4	45	0	49	0	287	1	0	288	22	6	7	0	35	442
07:45	11	66	5	0	82	1	8	50	0	59	5	251	1	0	257	20	11	8	0	39	437
Total Volume	76	222	15	0	313	1	18	193	0	212	9	1005	7	0	1021	86	27	22	0	135	1681
% App. Total	24.3	70.9	4.8	0		0.5	8.5	91	0		0.9	98.4	0.7	0		63.7	20	16.3	0		
PHF	.576	.828	.750	.000	.752	.250	.563	.846	.000	.898	.450	.875	.350	.000	.886	.977	.614	.688	.000	.865	.951



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Start Time	Lake Rd Southbound					Courtly Rd Westbound					Lake Rd Northbound					Courtly Rd Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 15:00 to 18:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	38	222	18	0	278	2	4	13	0	19	1	81	3	5	90	11	8	8	5	32	419
17:00	37	231	21	0	289	5	8	31	0	44	4	67	2	0	73	12	6	4	0	22	428
17:15	40	236	15	0	291	2	11	21	0	34	4	89	4	1	98	9	9	8	0	26	449
17:30	38	240	21	0	299	2	12	21	0	35	10	86	3	0	99	14	8	4	1	27	460
Total Volume	153	929	75	0	1157	11	35	86	0	132	19	323	12	6	360	46	31	24	6	107	1756
% App. Total	13.2	80.3	6.5	0		8.3	26.5	65.2	0		5.3	89.7	3.3	1.7		4.3	29	22.4	5.6		
PHF	.956	.968	.893	.000	.967	.550	.729	.694	.000	.750	.475	.907	.750	.300	.909	.821	.861	.750	.300	.836	.954

