

Albeck Gerken, Inc

Transportation Engineers

Traffic Data Collection

TH-52 at CSAH-56 , north ramps
Inver Grove Heights, MN
Ref.pt.: 120.943
TURN MOVEMENT COUNT

File Name : 10 TH 52 North Ramp at CR 56
Site Code : 10
Start Date : 1/13/2012
Page No : 1

Groups Printed- Cars - Heavy Vehicles

Start Time	Broderick Blvd Southbound					Concord Blvd / CSAH-56 Westbound					ramp from / loop to TH-52 NB Northbound					Concord Blvd / CSAH-56 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	
06:00	1	28	5	0	34	30	13	9	0	52	1	6	11	0	18	23	3	0	0	26	130
06:15	1	29	13	0	43	29	19	9	0	57	0	6	17	0	23	24	13	1	0	38	161
06:30	5	21	15	1	42	44	35	8	0	87	2	5	18	0	25	7	14	3	0	24	178
06:45	10	29	11	0	50	63	26	5	0	94	0	10	25	0	35	12	19	1	0	32	211
Total	17	107	44	1	169	166	93	31	0	290	3	27	71	0	101	66	49	5	0	120	680
07:00	7	23	7	0	37	93	20	11	0	124	0	13	35	0	48	12	24	1	0	37	246
07:15	16	42	13	0	71	80	34	26	0	140	0	15	27	1	43	12	28	1	1	42	296
07:30	9	40	6	0	55	92	35	14	0	141	3	15	27	0	45	6	26	2	0	34	275
07:45	12	45	15	0	72	82	16	9	0	107	2	32	16	0	50	19	24	3	0	46	275
Total	44	150	41	0	235	347	105	60	0	512	5	75	105	1	186	49	102	7	1	159	1092
08:00	18	30	11	1	60	64	20	13	0	97	0	12	19	0	31	18	45	3	0	66	254
08:15	10	23	10	1	44	77	20	15	0	112	4	10	12	0	26	19	41	1	0	61	243
08:30	9	27	6	1	43	59	15	11	0	85	3	15	14	0	32	9	23	0	0	32	192
08:45	11	22	4	0	37	50	11	9	0	70	1	14	17	0	32	16	33	0	0	49	188
Total	48	102	31	3	184	250	66	48	0	364	8	51	62	0	121	62	142	4	0	208	877
09:00	10	15	9	1	35	28	21	8	0	57	1	18	14	0	33	9	27	2	0	38	163
09:15	11	23	14	0	48	33	12	3	0	48	0	22	12	0	34	8	18	0	0	26	156
09:30	13	21	6	1	41	31	23	8	0	62	0	10	11	0	21	12	24	2	0	38	162
09:45	16	20	9	0	45	36	20	7	0	63	1	8	10	0	19	14	29	0	0	43	170
Total	50	79	38	2	169	128	76	26	0	230	2	58	47	0	107	43	98	4	0	145	651
10:00	16	9	8	0	33	19	18	6	0	43	2	7	10	0	19	8	21	2	0	31	126
10:15	9	7	3	1	20	26	25	22	0	73	0	7	20	0	27	17	26	2	0	45	165
10:30	13	17	7	0	37	36	15	13	1	65	1	8	20	0	29	14	14	1	0	29	160
10:45	19	12	9	0	40	26	17	13	0	56	1	20	13	0	34	15	32	2	0	49	179
Total	57	45	27	1	130	107	75	54	1	237	4	42	63	0	109	54	93	7	0	154	630
11:00	28	17	9	0	54	25	25	9	0	59	1	20	6	0	27	13	28	0	0	41	181
11:15	13	14	15	0	42	35	34	15	0	84	1	15	14	0	30	19	23	4	0	46	202
11:30	13	17	14	1	45	30	17	10	0	57	0	15	20	0	35	15	25	0	0	40	177
11:45	16	19	16	0	51	30	28	10	0	68	0	15	21	2	38	24	29	0	0	53	210
Total	70	67	54	1	192	120	104	44	0	268	2	65	61	2	130	71	105	4	0	180	770
12:00	12	18	15	0	45	23	23	10	1	57	2	14	10	0	26	23	26	1	0	50	178
12:15	24	24	13	0	61	28	24	2	0	54	2	16	17	0	35	15	47	0	0	62	212
12:30	14	21	10	0	45	33	24	5	0	62	2	13	18	0	33	19	31	1	0	51	191
12:45	15	17	4	2	38	24	26	12	0	62	1	13	13	0	27	15	30	3	0	48	175
Total	65	80	42	2	189	108	97	29	1	235	7	56	58	0	121	72	134	5	0	211	756
13:00	18	25	8	0	51	16	23	7	0	46	1	9	17	0	27	9	32	1	0	42	166
13:15	15	15	7	1	38	33	17	9	0	59	1	8	18	1	28	18	39	1	0	58	183
13:30	14	22	11	1	48	28	26	17	0	71	1	16	20	0	37	14	36	3	0	53	209
13:45	22	27	19	0	68	30	22	10	0	62	2	13	14	0	29	14	33	2	0	49	208
Total	69	89	45	2	205	107	88	43	0	238	5	46	69	1	121	55	140	7	0	202	766
14:00	21	17	22	0	60	27	32	8	0	67	1	7	29	0	37	25	37	2	0	64	228
14:15	26	15	5	0	46	26	22	15	0	63	5	19	18	0	42	20	26	0	0	46	197
14:30	17	18	9	0	44	31	25	12	0	68	1	6	26	0	33	17	45	2	0	64	209
14:45	20	17	12	0	49	32	27	18	0	77	1	7	20	0	28	30	53	2	0	85	239
Total	84	67	48	0	199	116	106	53	0	275	8	39	93	0	140	92	161	6	0	259	873
15:00	21	21	12	0	54	25	31	15	0	71	0	6	27	0	33	22	48	1	0	71	229
15:15	26	27	5	0	58	43	25	11	0	79	1	16	25	1	43	35	60	0	0	95	275
15:30	21	22	10	0	53	26	38	12	0	76	2	11	27	0	40	25	69	0	0	94	263
15:45	18	16	9	0	43	30	35	15	0	80	1	10	30	0	41	32	81	3	0	116	280
Total	86	86	36	0	208	124	129	53	0	306	4	43	109	1	157	114	258	4	0	376	1047

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File Name : 10 TH 52 North Ramp at CR 56
 Site Code : 10
 Start Date : 1/13/2012
 Page No : 2

Groups Printed- Cars - Heavy Vehicles

Start Time	Brodenrick Blvd Southbound					Concord Blvd / CSAH-56 Westbound					ramp from / loop to TH-52 NB Northbound					Concord Blvd / CSAH-56 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	
16:00	29	20	12	0	61	35	46	12	0	93	0	14	32	0	46	46	70	0	0	116	316
16:15	31	15	15	0	61	40	50	10	0	100	3	10	38	0	51	24	90	0	0	114	326
16:30	26	14	10	0	50	45	47	14	0	106	0	15	21	0	36	35	66	1	0	102	294
16:45	36	27	12	0	75	39	38	8	0	85	3	15	31	0	49	40	78	2	0	120	329
Total	122	76	49	0	247	159	181	44	0	384	6	54	122	0	182	145	304	3	0	452	1265
17:00	22	16	21	0	59	41	41	9	0	91	2	18	26	0	46	48	93	12	0	153	349
17:15	30	35	19	0	84	39	41	16	0	96	0	11	25	0	36	63	85	1	0	149	365
17:30	26	32	19	0	77	44	47	18	0	109	5	20	23	0	48	31	89	7	0	127	361
17:45	26	20	9	0	55	37	39	19	0	95	5	15	40	0	60	45	81	1	0	127	337
Total	104	103	68	0	275	161	168	62	0	391	12	64	114	0	190	187	348	21	0	556	1412
18:00	24	17	16	0	57	52	29	12	0	93	2	12	21	0	35	28	60	2	0	90	275
18:15	31	28	5	0	64	28	20	11	0	59	1	5	18	5	29	38	66	4	0	108	260
18:30	25	22	10	0	57	28	33	6	0	67	1	7	13	0	21	25	48	0	0	73	218
18:45	24	15	14	0	53	41	23	13	0	77	1	5	18	0	24	27	46	1	0	74	228
Total	104	82	45	0	231	149	105	42	0	296	5	29	70	5	109	118	220	7	0	345	981
Grand Total	920	1133	568	12	2633	2042	1393	589	2	4026	71	649	1044	10	1774	1128	2154	84	1	3367	11800
Apprch %	34.9	43	21.6	0.5		50.7	34.6	14.6	0		4	36.6	58.9	0.6		33.5	64	2.5	0		
Total %	7.8	9.6	4.8	0.1	22.3	17.3	11.8	5	0	34.1	0.6	5.5	8.8	0.1	15	9.6	18.3	0.7	0	28.5	
Cars	895	1098	544	10	2547	1976	1245	557	2	3780	58	610	882	10	1560	1096	2064	81	0	3241	11128
% Cars	97.3	96.9	95.8	83.3	96.7	96.8	89.4	94.6	100	93.9	81.7	94	84.5	100	87.9	97.2	95.8	96.4	0	96.3	94.3
Heavy Vehicles	25	35	24	2	86	66	148	32	0	246	13	39	162	0	214	32	90	3	1	126	672
% Heavy Vehicles	2.7	3.1	4.2	16.7	3.3	3.2	10.6	5.4	0	6.1	18.3	6	15.5	0	12.1	2.8	4.2	3.6	100	3.7	5.7

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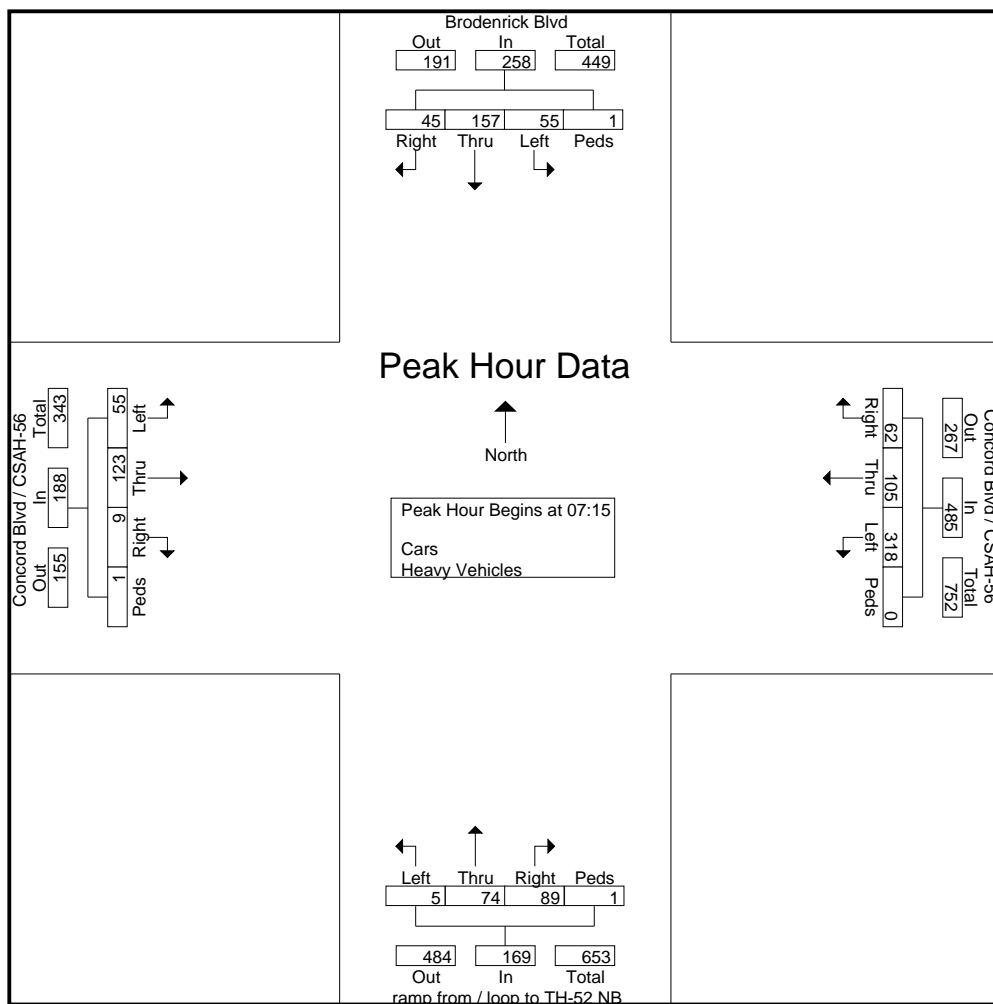
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Start Time	Broderick Blvd Southbound					Concord Blvd / CSAH-56 Westbound					ramp from / loop to TH-52 NB Northbound					Concord Blvd / CSAH-56 Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15																					
07:15	16	42	13	0	71	80	34	26	0	140	0	15	27	1	43	12	28	1	1	42	296
07:30	9	40	6	0	55	92	35	14	0	141	3	15	27	0	45	6	26	2	0	34	275
07:45	12	45	15	0	72	82	16	9	0	107	2	32	16	0	50	19	24	3	0	46	275
08:00	18	30	11	1	60	64	20	13	0	97	0	12	19	0	31	18	45	3	0	66	254
Total Volume	55	157	45	1	258	318	105	62	0	485	5	74	89	1	169	55	123	9	1	188	1100
% App. Total	21.3	60.9	17.4	0.4		65.6	21.6	12.8	0		3	43.8	52.7	0.6		29.3	65.4	4.8	0.5		
PHF	.764	.872	.750	.250	.896	.864	.750	.596	.000	.860	.417	.578	.824	.250	.845	.724	.683	.750	.250	.712	.929



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Site Code : 10

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Page No : 4

Start Time	Broderick Blvd Southbound					Concord Blvd / CSAH-56 Westbound					ramp from / loop to TH-52 NB Northbound					Concord Blvd / CSAH-56 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 12:00 to 18:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 17:00																					
17:00	22	16	21	0	59	41	41	9	0	91	2	18	26	0	46	48	93	12	0	153	349
17:15	30	35	19	0	84	39	41	16	0	96	0	11	25	0	36	63	85	1	0	149	365
17:30	26	32	19	0	77	44	47	18	0	109	5	20	23	0	48	31	89	7	0	127	361
17:45	26	20	9	0	55	37	39	19	0	95	5	15	40	0	60	45	81	1	0	127	337
Total Volume	104	103	68	0	275	161	168	62	0	391	12	64	114	0	190	187	348	21	0	556	1412
% App. Total	37.8	37.5	24.7	0		41.2	43	15.9	0		6.3	33.7	60	0		33.6	62.6	3.8	0		
PHF	.867	.736	.810	.000	.818	.915	.894	.816	.000	.897	.600	.800	.713	.000	.792	.742	.935	.438	.000	.908	.967

