

# SRF Consulting

TH-212 at CSAH-101 , North Ramps  
 Ref.Pt.: 151.615  
 SRF Consulting Group/MnDOT  
 TURN MOVEMENT COUNT

File Name : CR 101 and TH 212 North Ramps  
 Site Code :  
 Start Date : 3/5/2015  
 Page No : 1

## Groups Printed- Cars+ - Heavy Vehicles

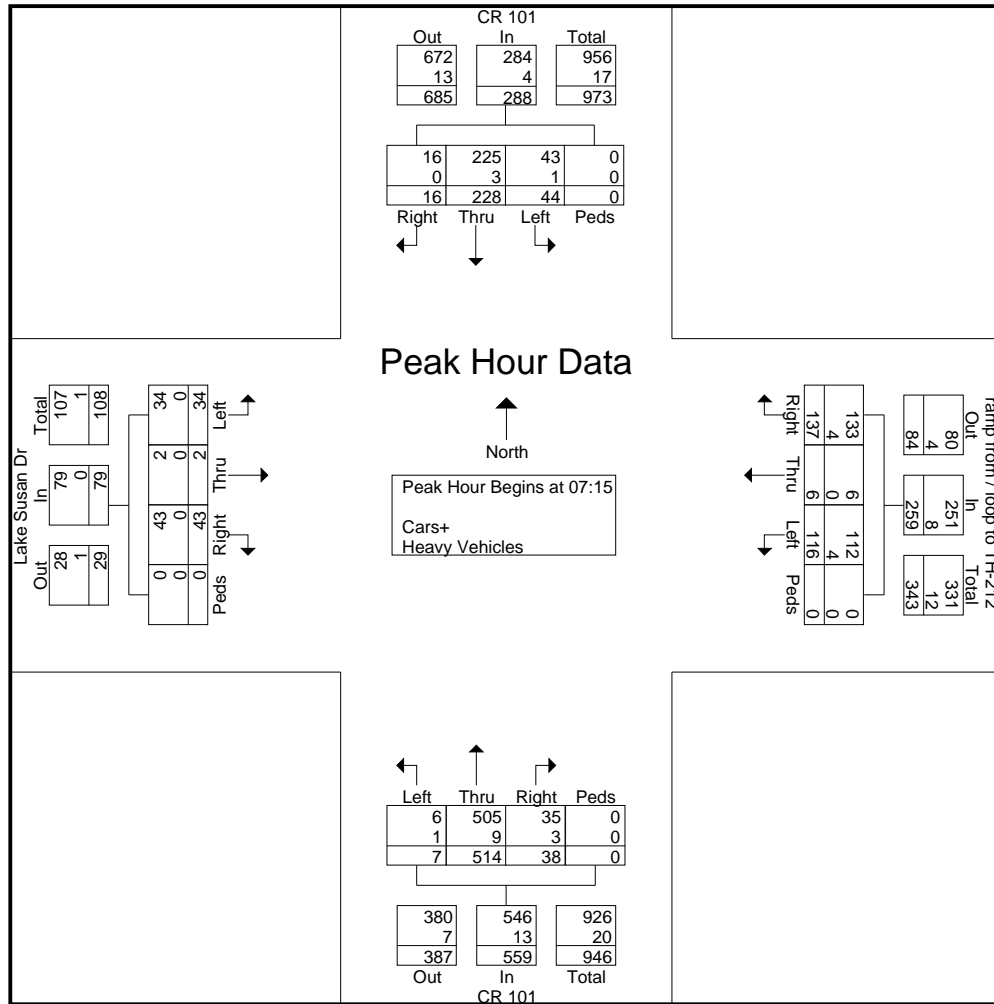
Start Time	CR 101 Southbound				ramp from / loop to TH-212 Westbound				CR 101 Northbound				Lake Susan Dr Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	3	20	0	0	9	0	9	0	0	27	1	0	0	0	1	0	70
06:15	2	16	0	0	6	0	12	0	0	32	3	0	2	0	8	0	81
06:30	9	30	0	0	21	0	17	0	0	35	0	0	1	1	10	0	124
06:45	8	35	0	0	22	0	24	0	0	63	2	0	5	0	19	0	178
Total	22	101	0	0	58	0	62	0	0	157	6	0	8	1	38	0	453
07:00	8	47	1	0	20	1	31	0	4	64	7	0	4	1	10	0	198
07:15	11	51	7	0	34	4	27	0	1	91	10	0	8	0	14	0	258
07:30	14	57	1	0	25	1	26	0	1	163	12	0	10	0	10	0	320
07:45	9	65	5	0	35	0	48	0	2	130	3	0	9	0	12	0	318
Total	42	220	14	0	114	6	132	0	8	448	32	0	31	1	46	0	1094
08:00	10	55	3	0	22	1	36	0	3	130	13	0	7	2	7	0	289
08:15	10	58	1	0	27	1	29	0	1	97	3	0	16	0	11	0	254
08:30	11	49	10	0	22	1	30	0	1	67	3	0	5	0	6	0	205
08:45	6	52	7	0	23	0	27	0	2	61	9	0	3	1	4	0	195
Total	37	214	21	0	94	3	122	0	7	355	28	0	31	3	28	0	943
*** BREAK ***																	
11:00	5	41	4	0	22	2	12	0	1	44	6	0	4	0	3	0	144
11:15	19	49	0	0	17	1	17	0	1	55	2	0	2	1	3	0	167
11:30	11	57	2	0	20	2	13	0	0	54	5	0	1	0	2	0	167
11:45	14	59	4	0	30	6	19	1	1	55	11	0	7	2	4	0	213
Total	49	206	10	0	89	11	61	1	3	208	24	0	14	3	12	0	691
12:00	16	56	6	0	18	3	18	0	2	46	8	0	5	1	6	0	185
12:15	12	62	2	0	28	2	15	0	5	56	6	0	1	1	3	0	193
12:30	13	42	10	0	16	5	27	0	0	52	8	0	7	2	7	0	189
12:45	18	62	9	0	24	4	28	0	2	50	2	0	6	2	4	0	211
Total	59	222	27	0	86	14	88	0	9	204	24	0	19	6	20	0	778
*** BREAK ***																	
15:00	38	125	5	0	24	9	21	0	0	67	8	0	1	0	5	0	303
15:15	36	96	11	0	47	8	27	0	4	78	10	0	4	2	1	0	324
15:30	37	103	9	0	32	4	31	0	3	66	11	0	3	2	6	0	307
15:45	36	93	6	0	48	6	36	1	6	81	11	0	8	1	3	0	336
Total	147	417	31	0	151	27	115	1	13	292	40	0	16	5	15	0	1270
16:00	36	111	11	0	44	5	22	0	4	70	10	0	10	0	1	0	324
16:15	39	77	10	0	60	2	31	0	4	76	19	0	13	0	5	0	336
16:30	30	121	14	0	52	10	32	0	6	75	29	0	7	0	5	0	381
16:45	32	85	9	0	72	11	52	0	2	101	22	0	5	0	5	0	396
Total	137	394	44	0	228	28	137	0	16	322	80	0	35	0	16	0	1437
17:00	42	107	5	0	62	11	45	0	2	88	21	0	10	1	8	0	402
17:15	27	112	11	0	64	13	49	0	1	79	25	0	7	0	5	0	393
17:30	41	82	11	0	68	9	52	0	6	85	26	0	8	0	3	0	391
17:45	18	87	13	0	70	7	61	0	4	106	13	0	9	2	4	0	394
Total	128	388	40	0	264	40	207	0	13	358	85	0	34	3	20	0	1580
Grand Total	621	2162	187	0	1084	129	924	2	69	2344	319	0	188	22	195	0	8246
Apprch %	20.9	72.8	6.3	0	50.7	6	43.2	0.1	2.5	85.8	11.7	0	46.4	5.4	48.1	0	
Total %	7.5	26.2	2.3	0	13.1	1.6	11.2	0	0.8	28.4	3.9	0	2.3	0.3	2.4	0	
Cars+	609	2138	183	0	1039	129	914	2	68	2304	288	0	185	22	190	0	8071
% Cars+	98.1	98.9	97.9	0	95.8	100	98.9	100	98.6	98.3	90.3	0	98.4	100	97.4	0	97.9
Heavy Vehicles	12	24	4	0	45	0	10	0	1	40	31	0	3	0	5	0	175
% Heavy Vehicles	1.9	1.1	2.1	0	4.2	0	1.1	0	1.4	1.7	9.7	0	1.6	0	2.6	0	2.1

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 TURN MOVEMENT COUNT

File Name : CR 101 and TH 212 North Ramps  
 Site Code :  
 Start Date : 3/5/2015  
 Page No : 2

Start Time	CR 101 Southbound					ramp from / loop to TH-212 Westbound					CR 101 Northbound					Lake Susan Dr 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 08:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15																					
07:15	11	51	7	0	69	34	4	27	0	65	1	91	10	0	102	8	0	14	0	22	258
07:30	14	57	1	0	72	25	1	26	0	52	1	163	12	0	176	10	0	10	0	20	320
07:45	9	65	5	0	79	35	0	48	0	83	2	130	3	0	135	9	0	12	0	21	318
08:00	10	55	3	0	68	22	1	36	0	59	3	130	13	0	146	7	2	7	0	16	289
Total Volume	44	228	16	0	288	116	6	137	0	259	7	514	38	0	559	34	2	43	0	79	1185
% App. Total	15.3	79.2	5.6	0		44.8	2.3	52.9	0		1.3	91.9	6.8	0		4.3	2.5	54.4	0		
PHF	.786	.877	.571	.000	.911	.829	.375	.714	.000	.780	.583	.788	.731	.000	.794	.850	.250	.768	.000	.898	.926
Cars+	43	225	16	0	284	112	6	133	0	251	6	505	35	0	546	34	2	43	0	79	1160
% Cars+	97.7	98.7	100	0	98.6	96.6	100	97.1	0	96.9	85.7	98.2	92.1	0	97.7	100	100	100	0	100	97.9
Heavy Vehicles	2.3	1.3	0	0	1.4	3.4	0	2.9	0	3.1	14.3	1.8	7.9	0	2.3	0	0	0	0	0	2.1



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Start Time	CR 101 Southbound					ramp from / loop to TH-212 Westbound					CR 101 Northbound					Lake Susan Dr 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 11:00 to 12:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45																					
11:45	14	59	4	0	77	30	6	19	1	56	1	55	11	0	67	7	2	4	0	13	213
12:00	16	56	6	0	78	18	3	18	0	39	2	46	8	0	56	5	1	6	0	12	185
12:15	12	62	2	0	76	28	2	15	0	45	5	56	6	0	67	1	1	3	0	5	193
12:30	13	42	10	0	65	16	5	27	0	48	0	52	8	0	60	7	2	7	0	16	189
Total Volume	55	219	22	0	296	92	16	79	1	188	8	209	33	0	250	20	6	20	0	46	780
% App. Total	18.6	74	7.4	0		48.9	8.5	42	0.5		3.2	83.6	13.2	0		43.5	13	43.5	0		
PHF	.859	.883	.550	.000	.949	.767	.667	.731	.250	.839	.400	.933	.750	.000	.933	.714	.750	.714	.000	.719	.915
Cars+	53	217	20	0	290	90	16	79	1	186	8	207	30	0	245	19	6	19	0	44	765
% Cars+	96.4	99.1	90.9	0	98.0	97.8	100	100	100	98.9	100	99.0	90.9	0	98.0	95.0	100	95.0	0	95.7	98.1
Heavy Vehicles																					
% Heavy Vehicles	3.6	0.9	9.1	0	2.0	2.2	0	0	0	1.1	0	1.0	9.1	0	2.0	5.0	0	5.0	0	4.3	1.9

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Start Time	CR 101 Southbound					ramp from / loop to TH-212 Westbound					CR 101 Northbound					Lake Susan Dr 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 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	32	85	9	0	126	72	11	52	0	135	2	101	22	0	125	5	0	5	0	10	396
17:00	42	107	5	0	154	62	11	45	0	118	2	88	21	0	111	10	1	8	0	19	402
17:15	27	112	11	0	150	64	13	49	0	126	1	79	25	0	105	7	0	5	0	12	393
17:30	41	82	11	0	134	68	9	52	0	129	6	85	26	0	117	8	0	3	0	11	391
Total Volume	142	386	36	0	564	266	44	198	0	508	11	353	94	0	458	30	1	21	0	52	1582
% App. Total	25.2	68.4	6.4	0		52.4	8.7	39	0		2.4	77.1	20.5	0		57.7	1.9	40.4	0		
PHF	.845	.862	.818	.000	.916	.924	.846	.952	.000	.941	.458	.874	.904	.000	.916	.750	.250	.656	.000	.684	.984
Cars+	142	381	36	0	559	252	44	196	0	492	11	350	82	0	443	30	1	21	0	52	1546
% Cars+	100	98.7	100	0	99.1	94.7	100	99.0	0	96.9	100	99.2	87.2	0	96.7	100	100	100	0	100	97.7
Heavy Vehicles																					
% Heavy Vehicles	0	1.3	0	0	0.9	5.3	0	1.0	0	3.1	0	0.8	12.8	0	3.3	0	0	0	0	0	2.3

