

SRF Consulting

TH-212 at Engler Blvd , EAST RAMPS
 Ref.Pt.: 149.818
 SRF Consulting Group/MnDOT
 TURN MOVEMENT COUNT

File Name : CSAH 10-Engler Blvd and TH 212 East Ramps
 Site Code :
 Start Date : 3/12/2015
 Page No : 1

Groups Printed- Cars+ - Heavy Vehicles

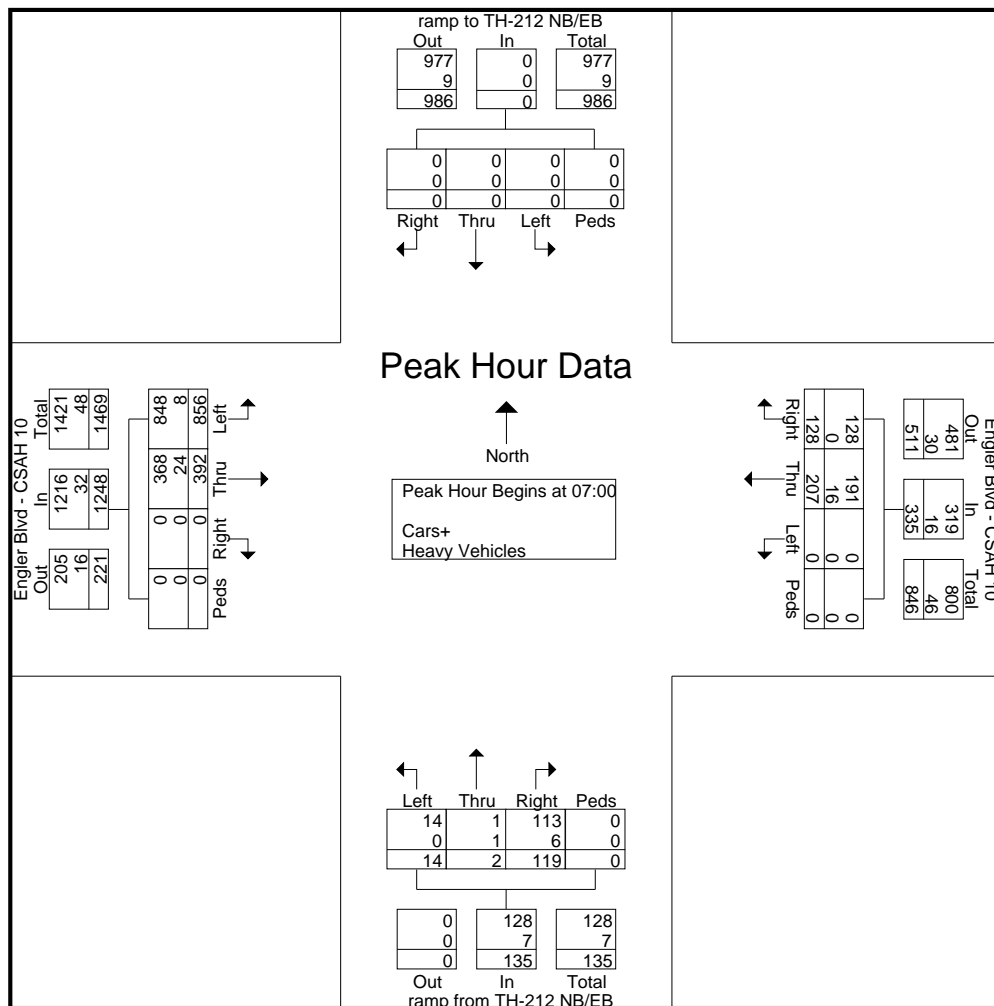
Start Time	ramp to TH-212 NB/EB Southbound				Engler Blvd - CSAH 10 Westbound				ramp from TH-212 NB/EB Northbound				Engler Blvd - CSAH 10 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	0	0	0	2	0	17	15	0	0	0	7	0	100	35	0	0	176
06:15	0	0	0	0	0	25	30	0	1	0	11	0	142	43	0	0	252
06:30	0	0	0	0	0	46	32	0	1	0	33	0	172	56	0	0	340
06:45	0	0	0	0	0	39	26	0	2	0	17	0	206	82	0	0	372
Total	0	0	0	2	0	127	103	0	4	0	68	0	620	216	0	0	1140
07:00	0	0	0	0	0	48	44	0	1	1	34	0	192	113	0	0	433
07:15	0	0	0	0	0	67	38	0	1	0	26	0	224	83	0	0	439
07:30	0	0	0	0	0	57	25	0	7	1	27	0	208	90	0	0	415
07:45	0	0	0	0	0	35	21	0	5	0	32	0	232	106	0	0	431
Total	0	0	0	0	0	207	128	0	14	2	119	0	856	392	0	0	1718
08:00	0	0	0	0	0	42	30	0	0	0	11	0	163	64	0	0	310
08:15	0	0	0	0	0	32	18	0	3	0	18	0	151	92	0	0	314
08:30	0	0	0	0	0	55	32	0	4	1	27	0	101	77	0	0	297
08:45	0	0	0	0	0	37	21	0	8	0	28	0	83	73	0	0	250
Total	0	0	0	0	0	166	101	0	15	1	84	0	498	306	0	0	1171
*** BREAK ***																	
11:00	0	0	0	0	0	27	3	0	1	0	8	0	46	50	0	0	135
11:15	0	0	0	0	0	28	4	0	4	0	8	0	50	48	0	0	142
11:30	0	0	0	0	0	43	10	0	2	0	9	0	47	36	0	0	147
11:45	0	0	0	0	0	33	5	0	0	0	6	0	39	33	0	0	116
Total	0	0	0	0	0	131	22	0	7	0	31	0	182	167	0	0	540
12:00	0	0	0	0	0	34	6	0	1	0	2	0	53	33	0	0	129
12:15	0	0	0	0	0	33	6	0	1	0	6	0	55	30	0	0	131
12:30	0	0	0	0	0	38	7	0	1	0	8	0	45	29	0	0	128
12:45	0	0	0	0	0	29	7	0	3	0	9	0	45	31	0	0	124
Total	0	0	0	0	0	134	26	0	6	0	25	0	198	123	0	0	512
*** BREAK ***																	
15:00	0	0	0	0	0	91	15	0	1	0	8	0	29	51	0	0	195
15:15	0	0	0	0	0	66	5	0	3	0	10	0	38	51	0	0	173
15:30	0	0	0	0	0	98	7	0	4	0	13	0	37	76	0	0	235
15:45	0	0	0	0	0	93	11	0	3	1	15	0	49	68	0	0	240
Total	0	0	0	0	0	348	38	0	11	1	46	0	153	246	0	0	843
16:00	0	0	0	1	0	94	6	0	5	0	12	0	42	69	0	0	229
16:15	0	0	0	7	0	91	5	0	5	0	14	0	48	97	0	0	267
16:30	0	0	0	0	0	131	10	0	5	0	8	0	38	90	0	0	282
16:45	0	0	0	0	0	123	8	0	9	0	17	0	50	97	0	0	304
Total	0	0	0	8	0	439	29	0	24	0	51	0	178	353	0	0	1082
17:00	0	0	0	0	0	122	22	0	2	0	12	0	52	82	0	0	292
17:15	0	0	0	0	0	108	19	0	6	0	16	0	57	91	0	0	297
17:30	0	0	0	0	0	121	5	0	1	0	9	0	43	81	0	0	260
17:45	0	0	0	0	0	95	6	1	2	0	17	0	43	79	0	0	243
Total	0	0	0	0	0	446	52	1	11	0	54	0	195	333	0	0	1092
Grand Total	0	0	0	10	0	1998	499	1	92	4	478	0	2880	2136	0	0	8098
Apprch %	0	0	0	100	0	80	20	0	16	0.7	83.3	0	57.4	42.6	0	0	
Total %	0	0	0	0.1	0	24.7	6.2	0	1.1	0	5.9	0	35.6	26.4	0	0	
Cars+	0	0	0	9	0	1917	496	0	87	3	457	0	2828	2065	0	0	7862
% Cars+	0	0	0	90	0	95.9	99.4	0	94.6	75	95.6	0	98.2	96.7	0	0	97.1
Heavy Vehicles	0	0	0	1	0	81	3	1	5	1	21	0	52	71	0	0	236
% Heavy Vehicles	0	0	0	10	0	4.1	0.6	100	5.4	25	4.4	0	1.8	3.3	0	0	2.9

SRF Consulting

TH-212 at Engler Blvd , EAST RAMPS
 Ref.Pt.: 149.818
 SRF Consulting Group/MnDOT
 TURN MOVEMENT COUNT

File Name : CSAH 10-Engler Blvd and TH 212 East Ramps
 Site Code :
 Start Date : 3/12/2015
 Page No : 2

Start Time	ramp to TH-212 NB/EB Southbound					Engler Blvd - CSAH 10 Westbound					ramp from TH-212 NB/EB Northbound					Engler Blvd - CSAH 10 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 07:00																					
07:00	0	0	0	0	0	0	48	44	0	92	1	1	34	0	36	192	113	0	0	305	433
07:15	0	0	0	0	0	0	67	38	0	105	1	0	26	0	27	224	83	0	0	307	439
07:30	0	0	0	0	0	0	57	25	0	82	7	1	27	0	35	208	90	0	0	298	415
07:45	0	0	0	0	0	0	35	21	0	56	5	0	32	0	37	232	106	0	0	338	431
Total Volume	0	0	0	0	0	0	207	128	0	335	14	2	119	0	135	856	392	0	0	1248	1718
% App. Total	0	0	0	0	0	0	61.8	38.2	0		10.4	1.5	88.1	0		68.6	31.4	0	0		
PHF	.000	.000	.000	.000	.000	.000	.772	.727	.000	.798	.500	.500	.875	.000	.912	.922	.867	.000	.000	.923	.978
Cars+	0	0	0	0	0	0	191	128	0	319	14	1	113	0	128	848	368	0	0	1216	1663
% Cars+	0	0	0	0	0	0	92.3	100	0	95.2	100	50.0	95.0	0	94.8	99.1	93.9	0	0	97.4	96.8
Heavy Vehicles	0	0	0	0	0	0	7.7	0	0	4.8	0	5.0	5.0	0	5.2	0.9	6.1	0	0	2.6	3.2
% Heavy Vehicles																					

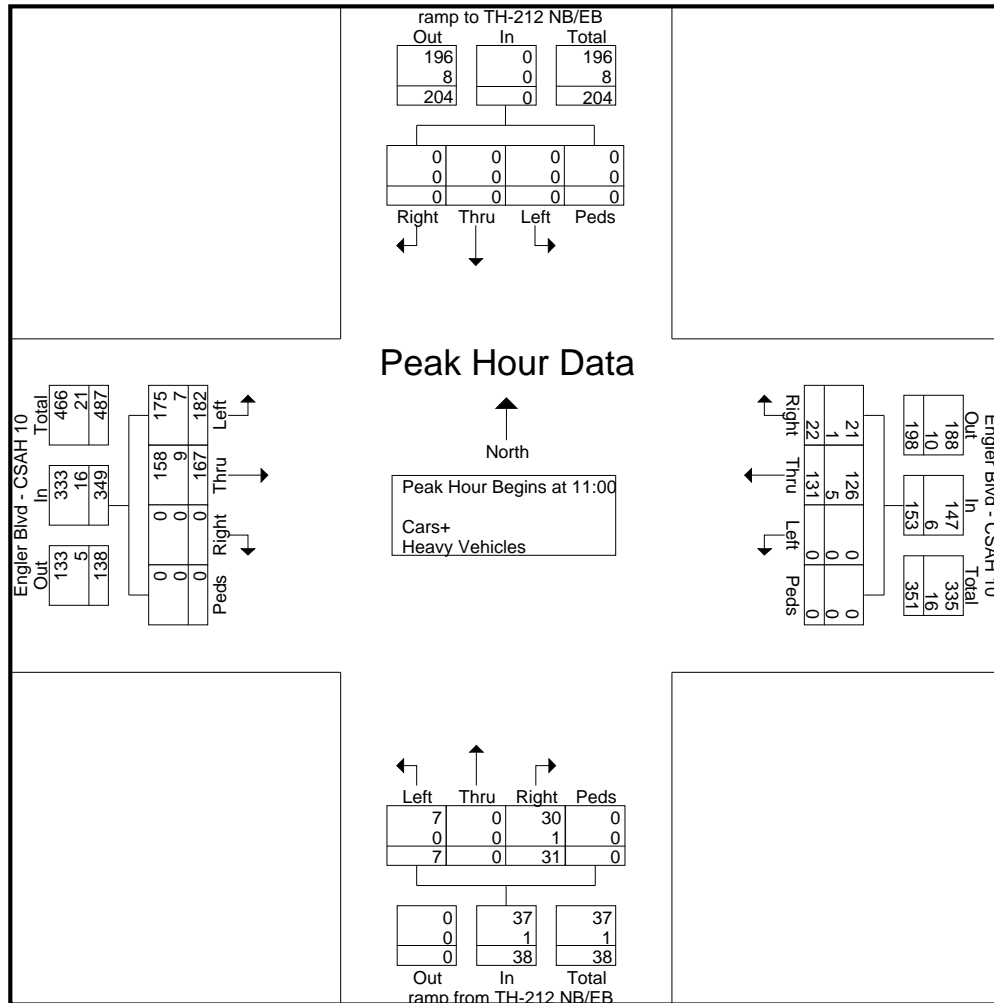


SRF Consulting

TH-212 at Engler Blvd , EAST RAMPS
 Ref.Pt.: 149.818
 SRF Consulting Group/MnDOT
 TURN MOVEMENT COUNT

File Name : CSAH 10-Engler Blvd and TH 212 East Ramps
 Site Code :
 Start Date : 3/12/2015
 Page No : 3

Start Time	ramp to TH-212 NB/EB Southbound					Engler Blvd - CSAH 10 Westbound					ramp from TH-212 NB/EB Northbound					Engler Blvd - CSAH 10 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 11:00																					
11:00	0	0	0	0	0	0	27	3	0	30	1	0	8	0	9	46	50	0	0	96	135
11:15	0	0	0	0	0	0	28	4	0	32	4	0	8	0	12	50	48	0	0	98	142
11:30	0	0	0	0	0	0	43	10	0	53	2	0	9	0	11	47	36	0	0	83	147
11:45	0	0	0	0	0	0	33	5	0	38	0	0	6	0	6	39	33	0	0	72	116
Total Volume	0	0	0	0	0	0	131	22	0	153	7	0	31	0	38	182	167	0	0	349	540
% App. Total	0	0	0	0	0	0	85.6	14.4	0	96.1	18.4	0	81.6	0	97.4	52.1	47.9	0	0	95.4	95.7
PHF	.000	.000	.000	.000	.000	.000	.762	.550	.000	.722	.438	.000	.861	.000	.792	.910	.835	.000	.000	.890	.918
Cars+	0	0	0	0	0	0	126	21	0	147	7	0	30	0	37	175	158	0	0	333	517
% Cars+	0	0	0	0	0	0	96.2	95.5	0	96.1	100	0	96.8	0	97.4	96.2	94.6	0	0	95.4	95.7
Heavy Vehicles	0	0	0	0	0	0	3.8	4.5	0	3.9	0	0	3.2	0	2.6	3.8	5.4	0	0	4.6	4.3
% Heavy Vehicles																					



SRF Consulting

TH-212 at Engler Blvd , EAST RAMPS
 Ref.Pt.: 149.818
 SRF Consulting Group/MnDOT
 TURN MOVEMENT COUNT

File Name : CSAH 10-Engler Blvd and TH 212 East Ramps
 Site Code :
 Start Date : 3/12/2015
 Page No : 4

Start Time	ramp to TH-212 NB/EB Southbound					Engler Blvd - CSAH 10 Westbound					ramp from TH-212 NB/EB Northbound					Engler Blvd - CSAH 10 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	
16:30	0	0	0	0	0	0	131	10	0	141	5	0	8	0	13	38	90	0	0	128	282
16:45	0	0	0	0	0	0	123	8	0	131	9	0	17	0	26	50	97	0	0	147	304
17:00	0	0	0	0	0	0	122	22	0	144	2	0	12	0	14	52	82	0	0	134	292
17:15	0	0	0	0	0	0	108	19	0	127	6	0	16	0	22	57	91	0	0	148	297
Total Volume	0	0	0	0	0	0	484	59	0	543	22	0	53	0	75	197	360	0	0	557	1175
% App. Total	0	0	0	0	0	0	89.1	10.9	0	100	29.3	0	70.7	0	100	35.4	64.6	0	0	100	100
PHF	.000	.000	.000	.000	.000	.000	.924	.670	.000	.943	.611	.000	.779	.000	.721	.864	.928	.000	.000	.941	.966
Cars+	0	0	0	0	0	0	479	59	0	538	22	0	52	0	74	196	355	0	0	551	1163
% Cars+	0	0	0	0	0	0	99.0	100	0	99.1	100	0	98.1	0	98.7	99.5	98.6	0	0	98.9	99.0
Heavy Vehicles	0	0	0	0	0	0	1.0	0	0	0.9	0	0	1.9	0	1.3	0.5	1.4	0	0	1.1	1.0
% Heavy Vehicles	0	0	0	0	0	0	1.0	0	0	0.9	0	0	1.9	0	1.3	0.5	1.4	0	0	1.1	1.0

Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1
 Peak Hour for Entire Intersection Begins at 16:30

