

SRF Consulting

TH-212 at Engler Blvd / CSAH-10
 Ref.Pt.: 149.818
 SRF Consulting Group/MnDOT
 TURN MOVEMENT COUNT

File Name : CSAH 10-Engler Blvd and TH 212 West Ramps
 Site Code :
 Start Date : 3/12/2015
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Groups Printed- Cars+ - Heavy Vehicles

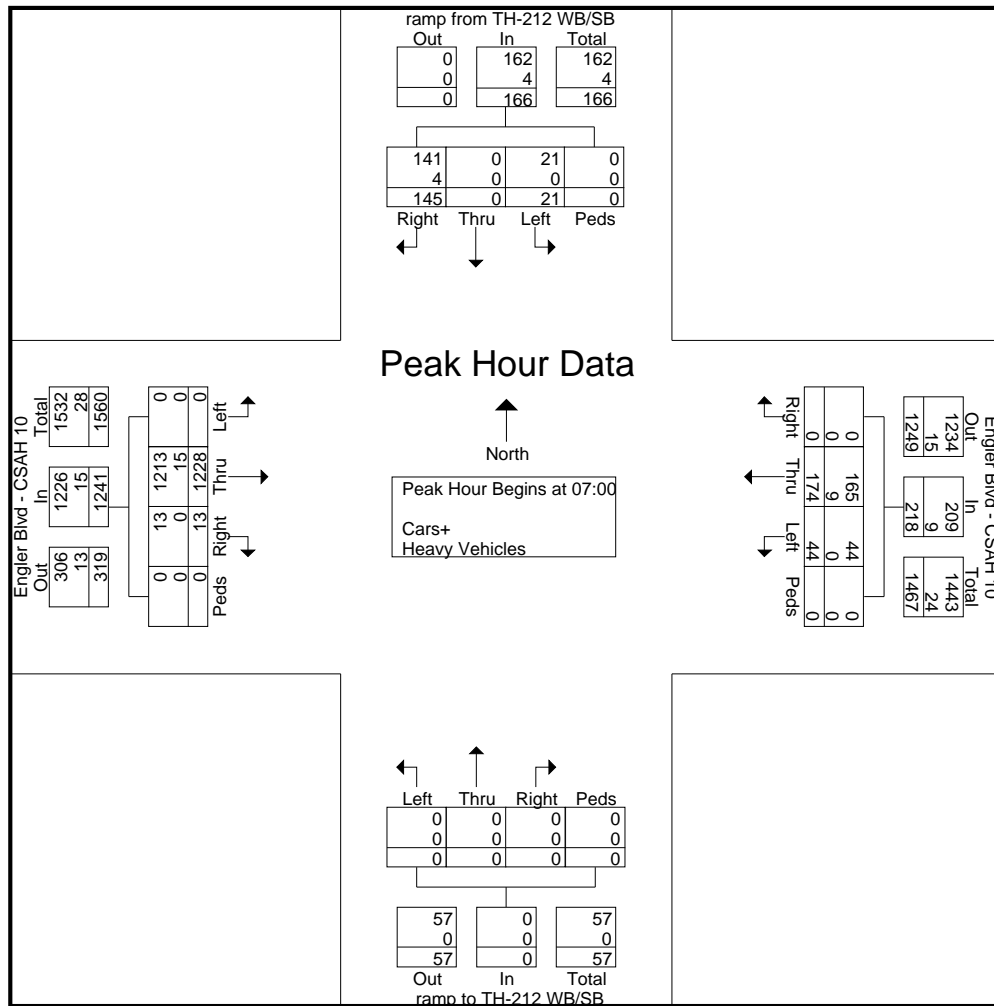
Start Time	ramp from TH-212 WB/SB Southbound				Engler Blvd - CSAH 10 Westbound				ramp to TH-212 WB/SB Northbound				Engler Blvd - CSAH 10 Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	0	0	15	1	4	14	0	0	0	0	0	0	0	143	3	0	180
06:15	1	0	13	0	1	20	0	0	0	0	0	0	0	175	2	0	212
06:30	5	0	29	0	15	37	0	1	0	0	0	0	0	215	2	0	304
06:45	4	0	24	0	8	34	0	0	0	0	0	0	0	290	2	0	362
Total	10	0	81	1	28	105	0	1	0	0	0	0	0	823	9	0	1058
07:00	2	0	40	0	9	36	0	0	0	0	0	0	0	313	3	0	403
07:15	9	0	38	0	13	56	0	0	0	0	0	0	0	291	4	0	411
07:30	1	0	35	0	14	48	0	0	0	0	0	0	0	295	3	0	396
07:45	9	0	32	0	8	34	0	0	0	0	0	0	0	329	3	0	415
Total	21	0	145	0	44	174	0	0	0	0	0	0	0	1228	13	0	1625
08:00	2	0	28	0	7	38	0	0	0	0	0	0	0	233	6	0	314
08:15	7	0	35	0	4	31	0	0	0	0	0	0	0	235	1	0	313
08:30	27	0	26	0	11	44	0	0	0	0	0	0	0	163	0	0	271
08:45	8	0	28	0	5	43	0	0	0	0	0	0	0	143	2	0	229
Total	44	0	117	0	27	156	0	0	0	0	0	0	0	774	9	0	1127
*** BREAK ***																	
11:00	5	0	22	0	5	26	0	0	0	0	0	0	0	89	0	0	147
11:15	4	1	27	0	2	27	0	0	0	0	0	0	0	100	1	0	162
11:30	4	0	46	0	5	36	0	0	0	0	0	0	0	80	3	0	174
11:45	2	0	39	0	4	32	0	0	0	0	0	0	0	68	2	0	147
Total	15	1	134	0	16	121	0	0	0	0	0	0	0	337	6	0	630
12:00	5	0	36	0	9	28	0	0	0	0	0	0	0	82	3	0	163
12:15	5	0	52	0	4	29	0	0	0	0	0	0	0	77	4	0	171
12:30	6	0	42	0	6	34	0	0	0	0	0	0	0	73	1	0	162
12:45	3	0	45	0	4	25	0	0	0	0	0	0	0	78	0	0	155
Total	19	0	175	0	23	116	0	0	0	0	0	0	0	310	8	0	651
*** BREAK ***																	
15:00	7	0	123	0	26	63	0	0	0	0	0	0	0	66	5	0	290
15:15	6	0	113	0	11	59	0	0	0	0	0	0	0	90	1	0	280
15:30	14	0	110	0	13	87	0	0	0	0	0	0	0	98	3	0	325
15:45	16	0	128	0	16	88	0	0	0	0	0	0	0	106	8	0	362
Total	43	0	474	0	66	297	0	0	0	0	0	0	0	360	17	0	1257
16:00	16	0	157	0	20	73	0	0	0	0	0	0	0	94	10	0	370
16:15	25	1	193	8	15	78	0	0	0	0	0	0	0	117	8	0	445
16:30	25	1	207	0	25	110	0	0	0	0	0	0	0	92	4	0	464
16:45	25	0	213	0	23	111	0	0	0	0	0	0	0	140	3	0	515
Total	91	2	770	8	83	372	0	0	0	0	0	0	0	443	25	0	1794
17:00	25	2	212	0	26	91	0	0	0	0	0	0	0	103	3	0	462
17:15	26	0	222	1	17	102	0	0	0	0	0	0	0	132	0	0	500
17:30	25	0	217	0	18	103	0	0	0	0	0	0	0	98	4	0	465
17:45	20	0	170	1	14	90	0	0	0	0	0	0	0	105	1	0	401
Total	96	2	821	2	75	386	0	0	0	0	0	0	0	438	8	0	1828
Grand Total	339	5	2717	11	362	1727	0	1	0	0	0	0	0	4713	95	0	9970
Apprch %	11	0.2	88.4	0.4	17.3	82.6	0	0	0	0	0	0	0	98	2	0	
Total %	3.4	0.1	27.3	0.1	3.6	17.3	0	0	0	0	0	0	0	47.3	1	0	
Cars+	337	5	2691	10	354	1691	0	1	0	0	0	0	0	4661	89	0	9839
% Cars+	99.4	100	99	90.9	97.8	97.9	0	100	0	0	0	0	0	98.9	93.7	0	98.7
Heavy Vehicles	2	0	26	1	8	36	0	0	0	0	0	0	0	52	6	0	131
% Heavy Vehicles	0.6	0	1	9.1	2.2	2.1	0	0	0	0	0	0	0	1.1	6.3	0	1.3

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Start Time	ramp from TH-212 WB/SB Southbound					Engler Blvd - CSAH 10 Westbound					ramp to TH-212 WB/SB 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	2	0	40	0	42	9	36	0	0	45	0	0	0	0	0	0	313	3	0	316	403
07:15	9	0	38	0	47	13	56	0	0	69	0	0	0	0	0	0	291	4	0	295	411
07:30	1	0	35	0	36	14	48	0	0	62	0	0	0	0	0	0	295	3	0	298	396
07:45	9	0	32	0	41	8	34	0	0	42	0	0	0	0	0	0	329	3	0	332	415
Total Volume	21	0	145	0	166	44	174	0	0	218	0	0	0	0	0	0	1228	13	0	1241	1625
% App. Total	12.7	0	87.3	0		20.2	79.8	0	0		0	0	0	0	0	0	99	1	0		
PHF	.583	.000	.906	.000	.883	.786	.777	.000	.000	.790	.000	.000	.000	.000	.000	.000	.933	.813	.000	.934	.979
Cars+	21	0	141	0	162	44	165	0	0	209	0	0	0	0	0	0	1213				
% Cars+	100	0	97.2	0	97.6	100	94.8	0	0	95.9	0	0	0	0	0	0	98.8	100	0	98.8	98.3
Heavy Vehicles	0	0	4	0	4	0	9	0	0	9	0	0	0	0	0	0	15	0	0	15	28
% Heavy Vehicles	0	0	2.8	0	2.4	0	5.2	0	0	4.1	0	0	0	0	0	0	1.2	0	0	1.2	1.7

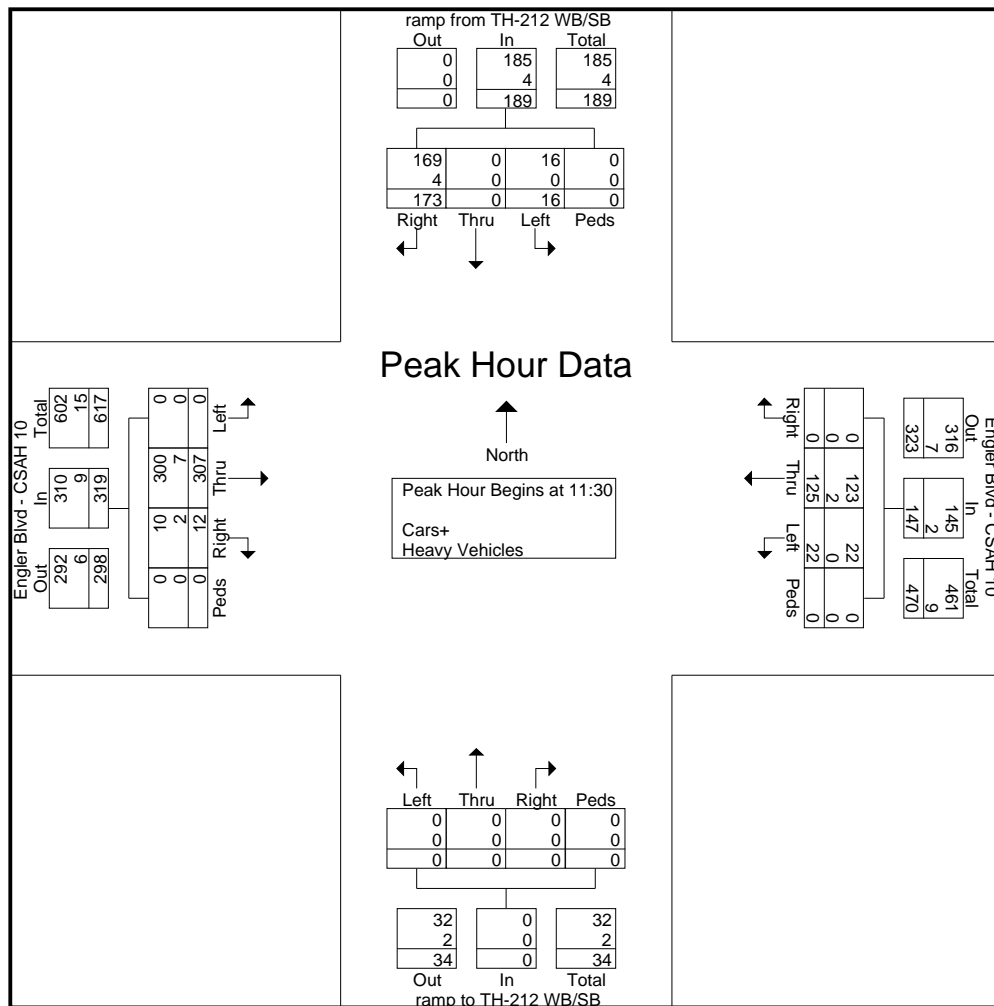


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Start Time	ramp from TH-212 WB/SB Southbound					Engler Blvd - CSAH 10 Westbound					ramp to TH-212 WB/SB Northbound					Engler Blvd - CSAH 10 Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	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 11:30																					
11:30	4	0	46	0	50	5	36	0	0	41	0	0	0	0	0	0	80	3	0	83	174
11:45	2	0	39	0	41	4	32	0	0	36	0	0	0	0	0	0	68	2	0	70	147
12:00	5	0	36	0	41	9	28	0	0	37	0	0	0	0	0	0	82	3	0	85	163
12:15	5	0	52	0	57	4	29	0	0	33	0	0	0	0	0	0	77	4	0	81	171
Total Volume	16	0	173	0	189	22	125	0	0	147	0	0	0	0	0	0	307	12	0	319	655
% App. Total	8.5	0	91.5	0		15	85	0	0		0	0	0	0	0	0	96.2	3.8	0		
PHF	.800	.000	.832	.000	.829	.611	.868	.000	.000	.896	.000	.000	.000	.000	.000	.000	.936	.750	.000	.938	.941
Cars+	16	0	169	0	185	22	123	0	0	145	0	0	0	0	0	0	300	10	0	310	640
% Cars+	100	0	97.7	0	97.9	100	98.4	0	0	98.6	0	0	0	0	0	0	97.7	83.3	0	97.2	97.7
Heavy Vehicles																					
% Heavy Vehicles	0	0	2.3	0	2.1	0	1.6	0	0	1.4	0	0	0	0	0	0	2.3	16.7	0	2.8	2.3



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Start Time	ramp from TH-212 WB/SB Southbound					Engler Blvd - CSAH 10 Westbound					ramp to TH-212 WB/SB 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 15:00 to 17:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	25	0	213	0	238	23	111	0	0	134	0	0	0	0	0	0	140	3	0	143	515
17:00	25	2	212	0	239	26	91	0	0	117	0	0	0	0	0	0	103	3	0	106	462
17:15	26	0	222	1	249	17	102	0	0	119	0	0	0	0	0	0	132	0	0	132	500
17:30	25	0	217	0	242	18	103	0	0	121	0	0	0	0	0	0	98	4	0	102	465
Total Volume	101	2	864	1	968	84	407	0	0	491	0	0	0	0	0	0	473	10	0	483	1942
% App. Total	10.4	0.2	89.3	0.1		17.1	82.9	0	0		0	0	0	0	0	0	97.9	2.1	0		
PHF	.971	.250	.973	.250	.972	.808	.917	.000	.000	.916	.000	.000	.000	.000	.000	.000	.845	.625	.000	.844	.943
Cars+	101	2	860	1	964	83	404	0	0	487	0	0	0	0	0	0	472	10	0	482	1933
% Cars+	100	100	99.5	100	99.6	98.8	99.3	0	0	99.2	0	0	0	0	0	0	99.8	100	0	99.8	99.5
Heavy Vehicles																					
% Heavy Vehicles	0	0	0.5	0	0.4	1.2	0.7	0	0	0.8	0	0	0	0	0	0	0.2	0	0	0.2	0.5

