

# SRF Consulting

TH-212 at Powers Blvd, NORTH RAMPS  
 Ref.Pt.: 152.275  
 SRF Consulting Group/MnDOT  
 TURN MOVEMENT COUNT

File Name : Powers Blvd and TH 212 North Ramps  
 Site Code :  
 Start Date : 3/12/2015  
 Page No : 1

## Groups Printed- Cars+ - Heavy Vehicles

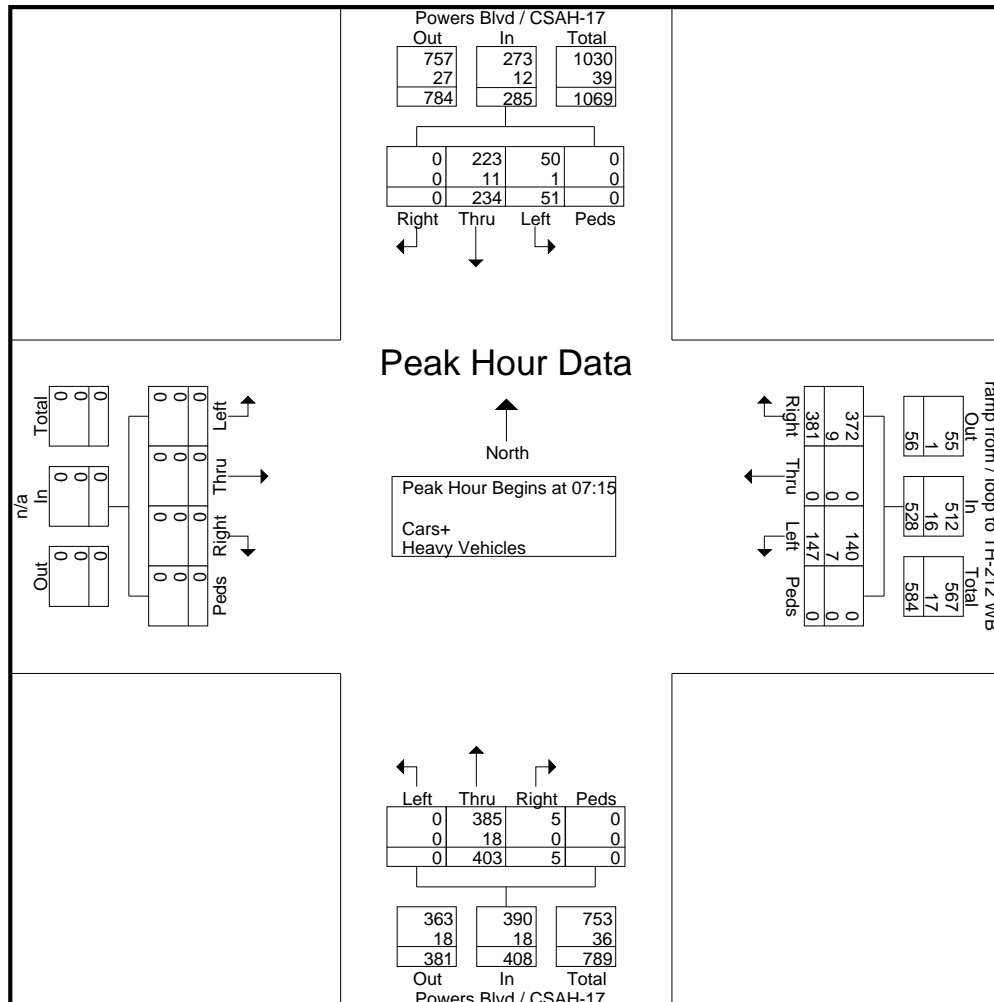
Start Time	Powers Blvd / CSAH-17 Southbound				ramp from / loop to TH-212 WB Westbound				Powers Blvd / CSAH-17 Northbound				n/a Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	10	52	0	0	10	0	34	0	0	17	1	0	0	0	0	0	124
06:15	14	52	0	0	5	0	42	0	0	29	1	0	0	0	0	0	143
06:30	9	43	0	0	11	0	58	0	0	32	2	0	0	0	0	0	155
06:45	6	42	0	0	21	0	80	0	0	50	0	0	0	0	0	0	199
Total	39	189	0	0	47	0	214	0	0	128	4	0	0	0	0	0	621
07:00	12	62	0	0	36	0	69	0	0	62	0	0	0	0	0	0	241
07:15	7	50	0	0	69	0	87	0	0	93	2	0	0	0	0	0	308
07:30	14	53	0	0	21	0	100	0	0	93	1	0	0	0	0	0	282
07:45	18	55	0	0	33	0	108	0	0	119	0	0	0	0	0	0	333
Total	51	220	0	0	159	0	364	0	0	367	3	0	0	0	0	0	1164
08:00	12	76	0	0	24	0	86	0	0	98	2	0	0	0	0	0	298
08:15	4	61	0	0	20	0	77	0	0	64	2	0	0	0	0	0	228
08:30	5	39	0	0	19	0	60	0	0	58	0	0	0	0	0	0	181
08:45	8	48	0	0	17	0	64	0	0	39	1	0	0	0	0	0	177
Total	29	224	0	0	80	0	287	0	0	259	5	0	0	0	0	0	884
*** BREAK ***																	
11:00	7	42	0	0	16	0	35	0	0	16	2	0	0	0	0	0	118
11:15	3	45	0	0	23	0	25	0	0	16	1	0	0	0	0	0	113
11:30	3	43	0	0	18	0	21	0	0	21	1	0	0	0	0	0	107
11:45	11	44	0	0	28	0	20	0	0	25	2	0	0	0	0	0	130
Total	24	174	0	0	85	0	101	0	0	78	6	0	0	0	0	0	468
12:00	12	53	0	0	24	0	27	0	0	20	0	0	0	0	0	0	136
12:15	13	43	0	0	18	0	41	0	0	29	3	0	0	0	0	0	147
12:30	8	42	0	0	10	0	18	0	0	34	0	0	0	0	0	0	112
12:45	8	47	0	0	25	0	41	1	0	36	2	0	0	0	0	0	160
Total	41	185	0	0	77	0	127	1	0	119	5	0	0	0	0	0	555
*** BREAK ***																	
15:00	38	104	0	0	51	0	47	0	0	38	2	0	0	0	0	0	280
15:15	31	88	0	0	64	0	52	0	0	46	0	0	0	0	0	0	281
15:30	26	128	0	0	63	0	79	0	0	52	0	0	0	0	0	0	348
15:45	20	72	0	0	71	0	55	0	0	42	4	0	0	0	0	0	264
Total	115	392	0	0	249	0	233	0	0	178	6	0	0	0	0	0	1173
16:00	38	130	0	0	74	0	49	0	0	48	1	0	0	0	0	0	340
16:15	34	100	0	0	91	0	57	0	0	43	0	0	0	0	0	0	325
16:30	47	116	0	0	72	0	67	0	0	47	1	0	0	0	0	0	350
16:45	37	115	0	0	102	0	79	1	0	71	0	0	0	0	0	0	405
Total	156	461	0	0	339	0	252	1	0	209	2	0	0	0	0	0	1420
17:00	51	166	0	0	92	0	71	0	0	49	1	0	0	0	0	0	430
17:15	27	116	0	0	93	0	83	0	0	62	8	0	0	0	0	0	389
17:30	28	80	0	0	71	0	66	0	0	80	0	0	0	0	0	0	325
17:45	21	68	0	0	74	0	62	0	0	61	3	0	0	0	0	0	289
Total	127	430	0	0	330	0	282	0	0	252	12	0	0	0	0	0	1433
Grand Total	582	2275	0	0	1366	0	1860	2	0	1590	43	0	0	0	0	0	7718
Apprch %	20.4	79.6	0	0	42.3	0	57.6	0.1	0	97.4	2.6	0	0	0	0	0	
Total %	7.5	29.5	0	0	17.7	0	24.1	0	0	20.6	0.6	0	0	0	0	0	
Cars+	563	2196	0	0	1336	0	1782	0	0	1547	42	0	0	0	0	0	7466
% Cars+	96.7	96.5	0	0	97.8	0	95.8	0	0	97.3	97.7	0	0	0	0	0	96.7
Heavy Vehicles	19	79	0	0	30	0	78	2	0	43	1	0	0	0	0	0	252
% Heavy Vehicles	3.3	3.5	0	0	2.2	0	4.2	100	0	2.7	2.3	0	0	0	0	0	3.3

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File Name : Powers Blvd and TH 212 North Ramps  
 Site Code :  
 Start Date : 3/12/2015  
 Page No : 2

Start Time	Powers Blvd / CSAH-17 Southbound					ramp from / loop to TH-212 WB Westbound					Powers Blvd / CSAH-17 Northbound					n/a 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	7	50	0	0	57	69	0	87	0	156	0	93	2	0	95	0	0	0	0	0	308
07:30	14	53	0	0	67	21	0	100	0	121	0	93	1	0	94	0	0	0	0	0	282
07:45	18	55	0	0	73	33	0	108	0	141	0	119	0	0	119	0	0	0	0	0	333
08:00	12	76	0	0	88	24	0	86	0	110	0	98	2	0	100	0	0	0	0	0	298
Total Volume	51	234	0	0	285	147	0	381	0	528	0	403	5	0	408	0	0	0	0	0	1221
% App. Total	17.9	82.1	0	0		27.8	0	72.2	0		0	98.8	1.2	0		0	0	0	0		
PHF	.708	.770	.000	.000	.810	.533	.000	.882	.000	.846	.000	.847	.625	.000	.857	.000	.000	.000	.000	.000	.917
Cars+	50	223	0	0	273	140	0	372	0	512	0	385	5	0	390	0	0	0	0	0	1175
% Cars+	98.0	95.3	0	0	95.8	95.2	0	97.6	0	97.0	0	95.5	100	0	95.6	0	0	0	0	0	96.2
Heavy Vehicles	2.0	4.7	0	0	4.2	4.8	0	2.4	0	3.0	0	4.5	0	0	4.4	0	0	0	0	0	3.8
% Heavy Vehicles																					

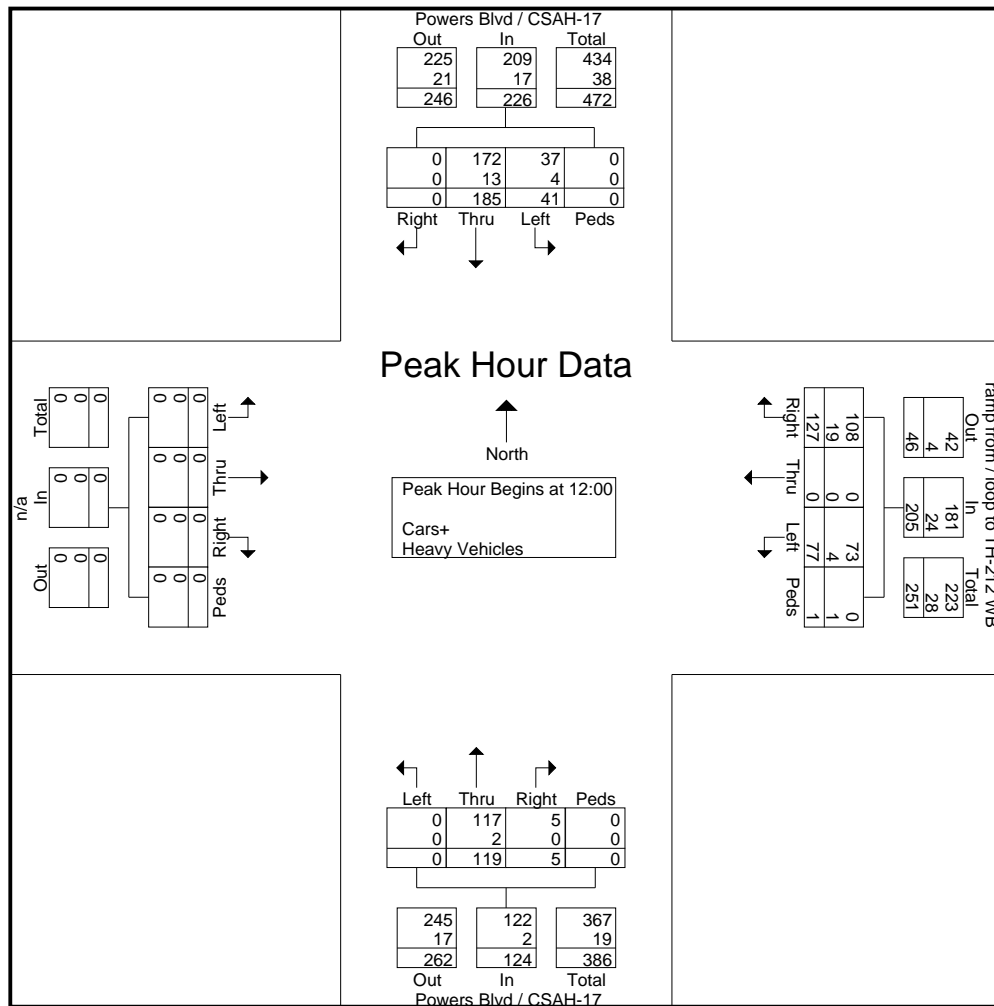


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Start Time	Powers Blvd / CSAH-17 Southbound					ramp from / loop to TH-212 WB Westbound					Powers Blvd / CSAH-17 Northbound					n/a Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. 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 12:00																					
12:00	12	53	0	0	65	24	0	27	0	51	0	20	0	0	20	0	0	0	0	0	136
12:15	13	43	0	0	56	18	0	41	0	59	0	29	3	0	32	0	0	0	0	0	147
12:30	8	42	0	0	50	10	0	18	0	28	0	34	0	0	34	0	0	0	0	0	112
12:45	8	47	0	0	55	25	0	41	1	67	0	36	2	0	38	0	0	0	0	0	160
Total Volume	41	185	0	0	226	77	0	127	1	205	0	119	5	0	124	0	0	0	0	0	555
% App. Total	18.1	81.9	0	0		37.6	0	62	0.5		0	96	4	0		0	0	0	0		
PHF	.788	.873	.000	.000	.869	.770	.000	.774	.250	.765	.000	.826	.417	.000	.816	.000	.000	.000	.000	.000	.867
Cars+	37	172	0	0	209	73	0	108	0	181	0	117	5	0	122	0	0	0	0	0	512
% Cars+	90.2	93.0	0	0	92.5	94.8	0	85.0	0	88.3	0	98.3	100	0	98.4	0	0	0	0	0	92.3
Heavy Vehicles	9.8	7.0	0	0	7.5	5.2	0	15.0	100	11.7	0	1.7	0	0	1.6	0	0	0	0	0	7.7
% Heavy Vehicles																					



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Start Time	Powers Blvd / CSAH-17 Southbound					ramp from / loop to TH-212 WB Westbound					Powers Blvd / CSAH-17 Northbound					n/a 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 16:30																					
16:30	47	116	0	0	163	72	0	67	0	139	0	47	1	0	48	0	0	0	0	0	350
16:45	37	115	0	0	152	102	0	79	1	182	0	71	0	0	71	0	0	0	0	0	405
17:00	51	166	0	0	217	92	0	71	0	163	0	49	1	0	50	0	0	0	0	0	430
17:15	27	116	0	0	143	93	0	83	0	176	0	62	8	0	70	0	0	0	0	0	389
Total Volume	162	513	0	0	675	359	0	300	1	660	0	229	10	0	239	0	0	0	0	0	1574
% App. Total	24	76	0	0		54.4	0	45.5	0.2		0	95.8	4.2	0		0	0	0	0		
PHF	.794	.773	.000	.000	.778	.880	.000	.904	.250	.907	.000	.806	.313	.000	.842	.000	.000	.000	.000	.000	.915
Cars+	161	506	0	0	667	357	0	296	0	653	0	228	10	0	238	0	0	0	0	0	1558
% Cars+	99.4	98.6	0	0	98.8	99.4	0	98.7	0	98.9	0	99.6	100	0	99.6	0	0	0	0	0	99.0
Heavy Vehicles	0.6	1.4	0	0	1.2	0.6	0	1.3	100	1.1	0	0.4	0	0	0.4	0	0	0	0	0	1.0
% Heavy Vehicles																					

