

SRF Consulting Group

1 Carlson Parkway
Plymouth, Minnesota 55447

SRF No. 8765 South Metro Signal Timing
Location: Mitchell Rd and North 212 Ramp
SRF Consulting Group/MnDOT

File Name : Mitchell Rd and North TH 212 Ramps
Site Code :
Start Date : 6/11/2013
Page No : 1

Groups Printed- Cars+ - Heavy Vehicles

Start Time	Mitchell Rd Southbound					North TH 212 Ramps Westbound					Mitchell Rd Northbound					North TH 212 Ramps Eastbound					Int. Total
	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
06:00 AM	1	4	51	0	56	1	24	0	48	73	0	0	18	8	26	0	0	0	0	0	0
06:15 AM	0	2	45	0	47	1	46	1	40	88	0	0	23	9	32	1	0	0	0	1	168
06:30 AM	0	7	52	0	59	1	48	1	56	106	0	0	39	17	56	3	0	0	0	3	224
06:45 AM	0	7	68	0	75	1	47	0	82	130	0	0	68	25	93	4	0	0	0	4	302
Total	1	20	216	0	237	4	165	2	226	397	0	0	148	59	207	8	0	0	0	8	849
07:00 AM	1	7	66	0	74	1	47	0	84	132	0	0	58	16	74	1	0	0	0	1	281
07:15 AM	0	3	93	0	96	0	49	1	106	156	0	0	92	20	112	0	0	0	0	0	364
07:30 AM	5	11	104	0	120	1	35	1	83	120	0	0	106	26	132	0	0	0	0	0	372
07:45 AM	0	22	129	0	151	0	55	0	111	166	0	1	125	37	163	0	0	0	0	0	480
Total	6	43	392	0	441	2	186	2	384	574	0	1	381	99	481	1	0	0	0	1	1497
08:00 AM	3	8	97	0	108	0	60	0	88	148	0	0	80	27	107	0	0	0	0	0	363
08:15 AM	0	9	71	0	80	1	57	0	77	135	0	0	91	31	122	1	0	0	0	1	338
08:30 AM	0	12	68	0	80	0	45	0	75	120	0	0	64	26	90	1	0	0	0	1	291
08:45 AM	0	18	91	0	109	0	49	0	57	106	0	0	88	29	117	0	0	0	0	0	332
Total	3	47	327	0	377	1	211	0	297	509	0	0	323	113	436	2	0	0	0	2	1324
*** BREAK ***																					
11:00 AM	0	15	76	0	91	4	31	0	55	90	0	0	50	23	73	0	0	0	0	0	254
11:15 AM	0	14	96	0	110	0	31	0	42	73	0	0	62	34	96	0	0	0	0	0	279
11:30 AM	0	20	112	0	132	0	44	1	32	77	0	0	76	25	101	0	0	0	0	0	310
11:45 AM	0	17	117	0	134	0	42	2	61	105	0	0	92	19	111	0	0	0	0	0	350
Total	0	66	401	0	467	4	148	3	190	345	0	0	280	101	381	0	0	0	0	0	1193
12:00 PM	2	10	151	0	163	2	34	0	64	100	0	0	77	21	98	0	0	0	0	0	361
12:15 PM	0	9	123	0	132	4	38	1	54	97	0	0	89	17	106	0	0	0	0	0	335
12:30 PM	2	11	110	0	123	0	47	0	48	95	0	0	91	17	108	0	0	0	0	0	326
12:45 PM	0	7	120	0	127	0	58	0	67	125	0	0	99	28	127	0	0	0	0	0	379
Total	4	37	504	0	545	6	177	1	233	417	0	0	356	83	439	0	0	0	0	0	1401
*** BREAK ***																					
03:00 PM	0	18	133	0	151	0	37	0	52	89	1	0	57	29	87	1	0	0	0	1	328
03:15 PM	2	11	99	0	112	2	32	0	54	88	0	0	59	29	88	1	0	0	0	1	289
03:30 PM	1	10	140	0	151	0	40	0	54	94	0	0	60	37	97	1	0	0	0	1	343
03:45 PM	2	15	120	0	137	2	40	1	81	124	0	0	78	39	117	0	0	0	0	0	378
Total	5	54	492	0	551	4	149	1	241	395	1	0	254	134	389	3	0	0	0	3	1338
04:00 PM	0	17	131	0	148	1	51	0	61	113	0	0	84	52	136	0	0	0	0	0	397
04:15 PM	0	16	124	0	140	0	29	0	82	111	0	0	97	41	138	0	0	0	0	0	389
04:30 PM	0	15	138	0	153	0	45	0	79	124	0	0	78	65	143	0	0	0	0	0	420
04:45 PM	0	11	130	0	141	0	46	0	88	134	0	0	118	59	177	0	0	0	0	0	452
Total	0	59	523	0	582	1	171	0	310	482	0	0	377	217	594	0	0	0	0	0	1658
05:00 PM	0	23	165	0	188	1	36	1	85	123	0	0	126	55	181	0	0	0	0	0	492
05:15 PM	0	20	167	0	187	0	56	2	82	140	0	0	161	36	197	1	0	0	0	1	525
05:30 PM	0	11	134	0	145	1	59	0	84	144	0	0	138	39	177	0	0	0	0	0	466
05:45 PM	3	15	124	0	142	4	50	0	94	148	0	0	92	32	124	0	0	0	0	0	414
Total	3	69	590	0	662	6	201	3	345	555	0	0	517	162	679	1	0	0	0	1	1897
Grand Total	22	395	3445	0	3862	28	1408	12	2226	3674	1	1	2636	968	3606	15	0	0	0	15	11157
Apprch %	0.6	10.2	89.2	0		0.8	38.3	0.3	60.6		0	0	73.1	26.8		100	0	0	0		
Total %	0.2	3.5	30.9	0	34.6	0.3	12.6	0.1	20	32.9	0	0	23.6	8.7	32.3	0.1	0	0	0	0.1	
Cars+	3	376	3377	0	3756	5	1370	8	2177	3560	0	0	2568	954	3522	0	0	0	0	0	10838
% Cars+	13.6	95.2	98	0	97.3	17.9	97.3	66.7	97.8	96.9	0	0	97.4	98.6	97.7	0	0	0	0	0	97.1
Heavy Vehicles	19	19	68	0	106	23	38	4	49	114	1	1	68	14	84	15	0	0	0	15	319
% Heavy Vehicles	86.4	4.8	2	0	2.7	82.1	2.7	33.3	2.2	3.1	100	100	2.6	1.4	2.3	100	0	0	0	100	2.9

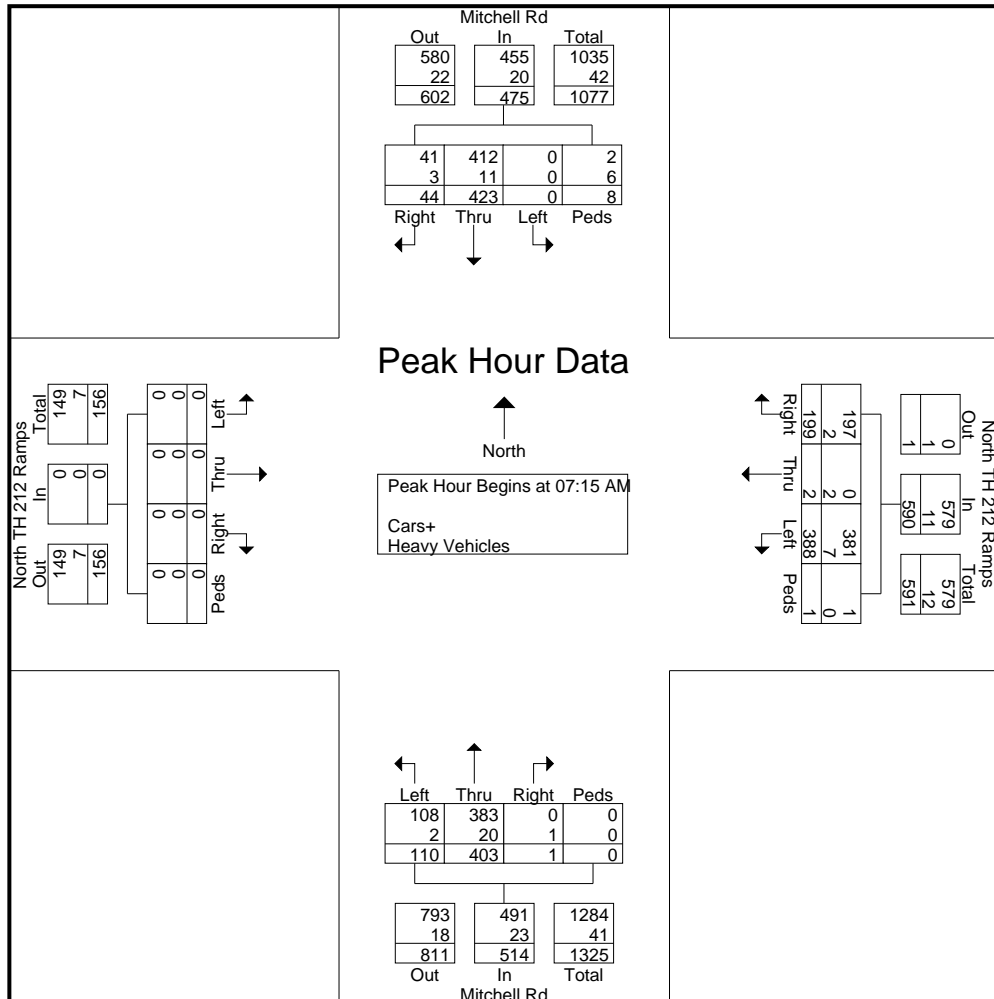
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	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	3	93	0	96	0	49	1	106	156	0	0	92	20	112	0	0	0	0	0	364
07:30 AM	5	11	104	0	120	1	35	1	83	120	0	0	106	26	132	0	0	0	0	0	372
07:45 AM	0	22	129	0	151	0	55	0	111	166	0	1	125	37	163	0	0	0	0	0	480
08:00 AM	3	8	97	0	108	0	60	0	88	148	0	0	80	27	107	0	0	0	0	0	363
Total Volume	8	44	423	0	475	1	199	2	388	590	0	1	403	110	514	0	0	0	0	0	1579
% App. Total	1.7	9.3	89.1	0		0.2	33.7	0.3	65.8		0	0.2	78.4	21.4		0	0	0	0	0	
PHF	.400	.500	.820	.000	.786	.250	.829	.500	.874	.889	.000	.250	.806	.743	.788	.000	.000	.000	.000	.000	.822
Cars+	2	41	412	0	455	1	197	0	381	579	0	0	383	108	491	0	0	0	0	0	1525
% Cars+	25.0	93.2	97.4	0	95.8	100	99.0	0	98.2	98.1	0	0	95.0	98.2	95.5	0	0	0	0	0	96.6
Heavy Vehicles	6	3	11	0	20	0	2	2	7	11	0	1	20	2	23	0	0	0	0	0	54
% Heavy Vehicles	75.0	6.8	2.6	0	4.2	0	1.0	100	1.8	1.9	0	100	5.0	1.8	4.5	0	0	0	0	0	3.4



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	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	2	10	151	0	163	2	34	0	64	100	0	0	77	21	98	0	0	0	0	0	361
12:15 PM	0	9	123	0	132	4	38	1	54	97	0	0	89	17	106	0	0	0	0	0	335
12:30 PM	2	11	110	0	123	0	47	0	48	95	0	0	91	17	108	0	0	0	0	0	326
12:45 PM	0	7	120	0	127	0	58	0	67	125	0	0	99	28	127	0	0	0	0	0	379
Total Volume	4	37	504	0	545	6	177	1	233	417	0	0	356	83	439	0	0	0	0	0	1401
% App. Total	0.7	6.8	92.5	0		1.4	42.4	0.2	55.9		0	0	81.1	18.9		0	0	0	0	0	
PHF	.500	.841	.834	.000	.836	.375	.763	.250	.869	.834	.000	.000	.899	.741	.864	.000	.000	.000	.000	.000	.924
Cars+	0	35	493	0	528	2	172	1	222	397	0	0	347	81	428	0	0	0	0	0	1353
% Cars+	0	94.6	97.8	0	96.9	33.3	97.2	100	95.3	95.2	0	0	97.5	97.6	97.5	0	0	0	0	0	96.6
Heavy Vehicles	4	2	11	0	17	4	5	0	11	20	0	0	9	2	11	0	0	0	0	0	48
% Heavy Vehicles	100	5.4	2.2	0	3.1	66.7	2.8	0	4.7	4.8	0	0	2.5	2.4	2.5	0	0	0	0	0	3.4

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	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	0	11	130	0	141	0	46	0	88	134	0	0	118	59	177	0	0	0	0	0	452
05:00 PM	0	23	165	0	188	1	36	1	85	123	0	0	126	55	181	0	0	0	0	0	492
05:15 PM	0	20	167	0	187	0	56	2	82	140	0	0	161	36	197	1	0	0	0	0	525
05:30 PM	0	11	134	0	145	1	59	0	84	144	0	0	138	39	177	0	0	0	0	0	466
Total Volume	0	65	596	0	661	2	197	3	339	541	0	0	543	189	732	1	0	0	0	1	1935
% App. Total	0	9.8	90.2	0		0.4	36.4	0.6	62.7		0	0	74.2	25.8		100	0	0	0		
PHF	.000	.707	.892	.000	.879	.500	.835	.375	.963	.939	.000	.000	.843	.801	.929	.250	.000	.000	.000	.250	.921
Cars+	0	64	593	0	657	1	195	3	337	536	0	0	537	186	723	0	0	0	0	0	1916
% Cars+	0	98.5	99.5	0	99.4	50.0	99.0	100	99.4	99.1	0	0	98.9	98.4	98.8	0	0	0	0	0	99.0
Heavy Vehicles	0	1	3	0	4	1	2	0	2	5	0	0	6	3	9	1	0	0	0	1	19
% Heavy Vehicles	0	1.5	0.5	0	0.6	50.0	1.0	0	0.6	0.9	0	0	1.1	1.6	1.2	100	0	0	0	100	1.0

