

SRF Consulting Group

1 Carlson Parkway
Plymouth, Minnesota 55447

SRF No. 8765 South Metro Signal Timing
Location: Mitchell Rd and Martin Drive
SRF Consulting Group/MnDOT

File Name : Mitchell Rd and Martin Drive
Site Code :
Start Date : 6/11/2013
Page No : 1

Groups Printed- Cars+ - Heavy Vehicles

Start Time	Mitchell Rd Southbound					Martin Drive Westbound					Mitchell Rd Northbound					Martin Drive 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	0	3	34	0	37	1	1	1	0	3	0	2	19	18	39	0	1	1	5	7	86
06:15 AM	0	16	35	1	52	1	0	2	3	6	1	2	33	25	61	2	8	1	10	21	140
06:30 AM	0	11	51	0	62	2	1	1	3	7	0	4	42	29	75	2	2	1	14	19	163
06:45 AM	0	19	65	1	85	1	2	4	5	12	0	7	68	41	116	4	6	2	9	21	234
Total	0	49	185	2	236	5	4	8	11	28	1	15	162	113	291	8	17	5	38	68	623
07:00 AM	0	18	62	2	82	2	3	2	1	8	0	4	69	36	109	1	2	1	19	23	222
07:15 AM	0	18	91	1	110	0	0	1	4	5	0	4	92	48	144	0	3	0	35	38	297
07:30 AM	0	28	108	0	136	0	2	3	3	8	0	4	95	39	138	0	8	3	29	40	322
07:45 AM	0	24	147	2	173	0	2	2	4	8	2	5	107	57	171	0	7	3	31	41	393
Total	0	88	408	5	501	2	7	8	12	29	2	17	363	180	562	1	20	7	114	142	1234
08:00 AM	0	29	87	2	118	0	0	2	13	15	0	3	76	51	130	0	7	0	22	29	292
08:15 AM	0	31	68	0	99	0	1	4	5	10	0	9	88	41	138	1	7	2	22	32	279
08:30 AM	0	24	62	1	87	0	2	2	3	7	0	4	69	35	108	1	11	0	22	34	236
08:45 AM	0	23	87	1	111	0	1	1	4	6	0	5	88	43	136	0	14	2	16	32	285
Total	0	107	304	4	415	0	4	9	25	38	0	21	321	170	512	2	39	4	82	127	1092
*** BREAK ***																					
11:00 AM	0	1	23	59	83	2	0	2	1	5	3	0	6	50	59	24	1	26	2	53	200
11:15 AM	0	1	28	67	96	2	0	0	3	5	5	0	6	51	62	25	2	27	2	56	219
11:30 AM	0	0	19	86	105	2	0	2	4	8	5	0	5	75	85	30	3	39	7	79	277
11:45 AM	0	1	29	87	117	5	0	4	4	13	11	1	17	84	113	34	1	26	10	71	314
Total	0	3	99	299	401	11	0	8	12	31	24	1	34	260	319	113	7	118	21	259	1010
12:00 PM	0	1	27	96	124	3	0	0	6	9	8	0	3	80	91	31	1	59	4	95	319
12:15 PM	0	1	44	93	138	6	0	3	7	16	5	1	11	77	94	31	1	34	5	71	319
12:30 PM	0	1	26	75	102	0	0	4	7	11	8	0	10	97	115	33	0	30	5	68	296
12:45 PM	0	1	27	90	118	3	0	1	4	8	11	0	18	101	130	42	4	22	4	72	328
Total	0	4	124	354	482	12	0	8	24	44	32	1	42	355	430	137	6	145	18	306	1262
*** BREAK ***																					
03:00 PM	0	1	20	96	117	3	0	2	2	7	6	0	4	59	69	18	3	48	5	74	267
03:15 PM	0	1	13	67	81	1	1	4	3	9	6	1	9	57	73	21	1	31	5	58	221
03:30 PM	0	2	24	74	100	3	1	2	3	9	7	8	6	72	93	14	1	57	4	76	278
03:45 PM	0	1	23	98	122	6	0	11	2	19	6	0	13	95	114	13	0	25	5	43	298
Total	0	5	80	335	420	13	2	19	10	44	25	9	32	283	349	66	5	161	19	251	1064
04:00 PM	0	0	41	78	119	3	0	5	1	9	9	0	8	106	123	17	1	53	8	79	330
04:15 PM	0	7	22	82	111	1	0	3	0	4	6	0	9	104	119	13	0	45	2	60	294
04:30 PM	0	1	43	103	147	1	0	4	5	10	8	0	5	92	105	21	2	32	9	64	326
04:45 PM	0	0	23	96	119	2	0	2	5	9	8	0	12	131	151	18	2	32	2	54	333
Total	0	8	129	359	496	7	0	14	11	32	31	0	34	433	498	69	5	162	21	257	1283
05:00 PM	0	1	44	129	174	4	0	11	1	16	11	1	9	127	148	18	0	49	10	77	415
05:15 PM	0	0	47	135	182	4	0	4	3	11	10	0	7	165	182	28	0	39	6	73	448
05:30 PM	0	0	47	102	149	4	0	4	3	11	13	0	18	154	185	23	0	41	2	66	411
05:45 PM	0	1	31	97	129	5	0	2	6	13	5	0	14	112	131	18	0	21	2	41	314
Total	0	2	169	463	634	17	0	21	13	51	39	1	48	558	646	87	0	150	20	257	1588
Grand Total	0	266	1498	1821	3585	67	17	95	118	297	154	65	1036	2352	3607	483	99	752	333	1667	9156
Apprch %	0	7.4	41.8	50.8		22.6	5.7	32	39.7		4.3	1.8	28.7	65.2		29	5.9	45.1	20		
Total %	0	2.9	16.4	19.9	39.2	0.7	0.2	1	1.3	3.2	1.7	0.7	11.3	25.7	39.4	5.3	1.1	8.2	3.6	18.2	
Cars+	0	246	1441	1820	3507	53	13	93	112	271	153	60	965	2308	3486	472	64	748	305	1589	8853
% Cars+	0	92.5	96.2	99.9	97.8	79.1	76.5	97.9	94.9	91.2	99.4	92.3	93.1	98.1	96.6	97.7	64.6	99.5	91.6	95.3	96.7
Heavy Vehicles																					
% Heavy Vehicles	0	7.5	3.8	0.1	2.2	20.9	23.5	2.1	5.1	8.8	0.6	7.7	6.9	1.9	3.4	2.3	35.4	0.5	8.4	4.7	3.3

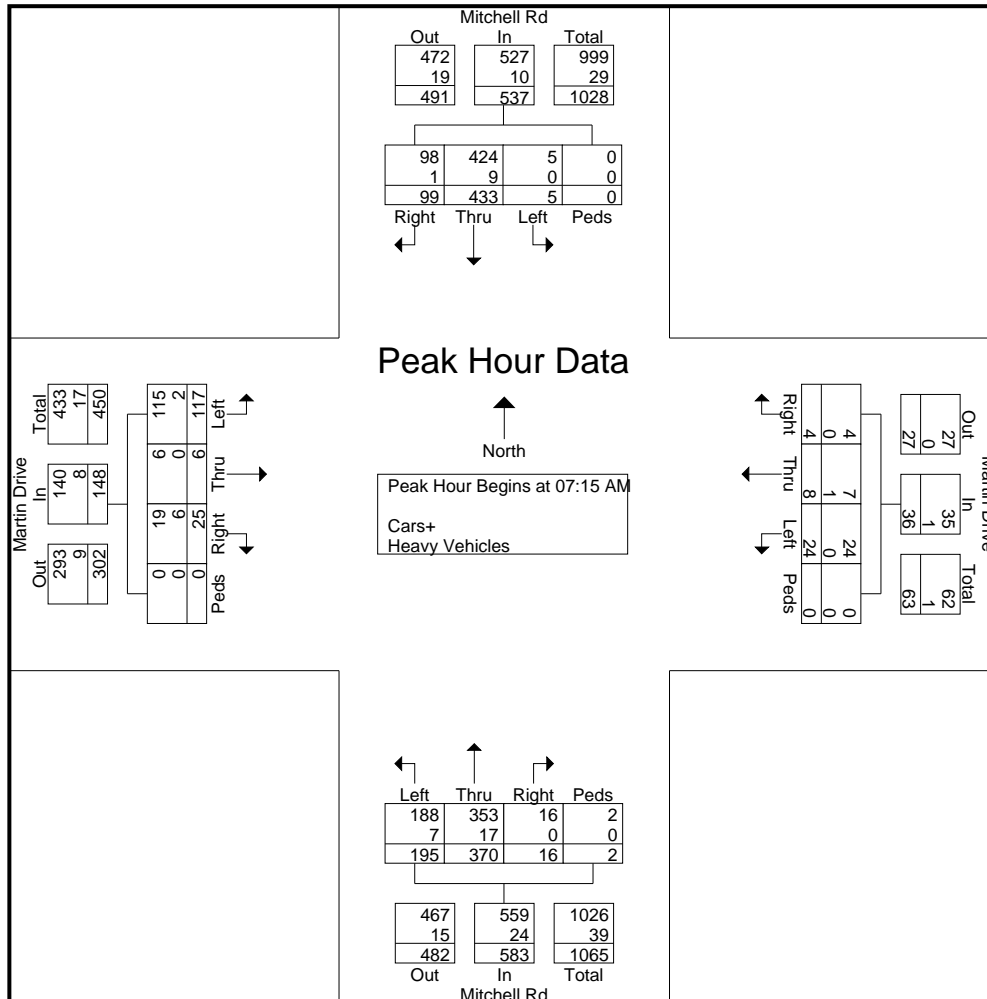
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	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	18	91	1	110	0	0	1	4	5	0	4	92	48	144	0	3	0	35	38	297
07:30 AM	0	28	108	0	136	0	2	3	3	8	0	4	95	39	138	0	8	3	29	40	322
07:45 AM	0	24	147	2	173	0	2	2	4	8	2	5	107	57	171	0	7	3	31	41	393
08:00 AM	0	29	87	2	118	0	0	2	13	15	0	3	76	51	130	0	7	0	22	29	292
Total Volume	0	99	433	5	537	0	4	8	24	36	2	16	370	195	583	0	25	6	117	148	1304
% App. Total	0	18.4	80.6	0.9		0	11.1	22.2	66.7		0.3	2.7	63.5	33.4		0	16.9	4.1	79.1		
PHF	.000	.853	.736	.625	.776	.000	.500	.667	.462	.600	.250	.800	.864	.855	.852	.000	.781	.500	.836	.902	.830
Cars+	0	98	424	5	527	0	4	7	24	35	2	16	353	188	559	0	19	6	115	140	1261
% Cars+	0	99.0	97.9	100	98.1	0	100	87.5	100	97.2	100	100	95.4	96.4	95.9	0	76.0	100	98.3	94.6	96.7
Heavy Vehicles	0	1	9	0	10	0	0	1	0	1	0	0	17	7	24	0	6	0	2	8	43
% Heavy Vehicles	0	1.0	2.1	0	1.9	0	0	12.5	0	2.8	0	0	4.6	3.6	4.1	0	24.0	0	1.7	5.4	3.3



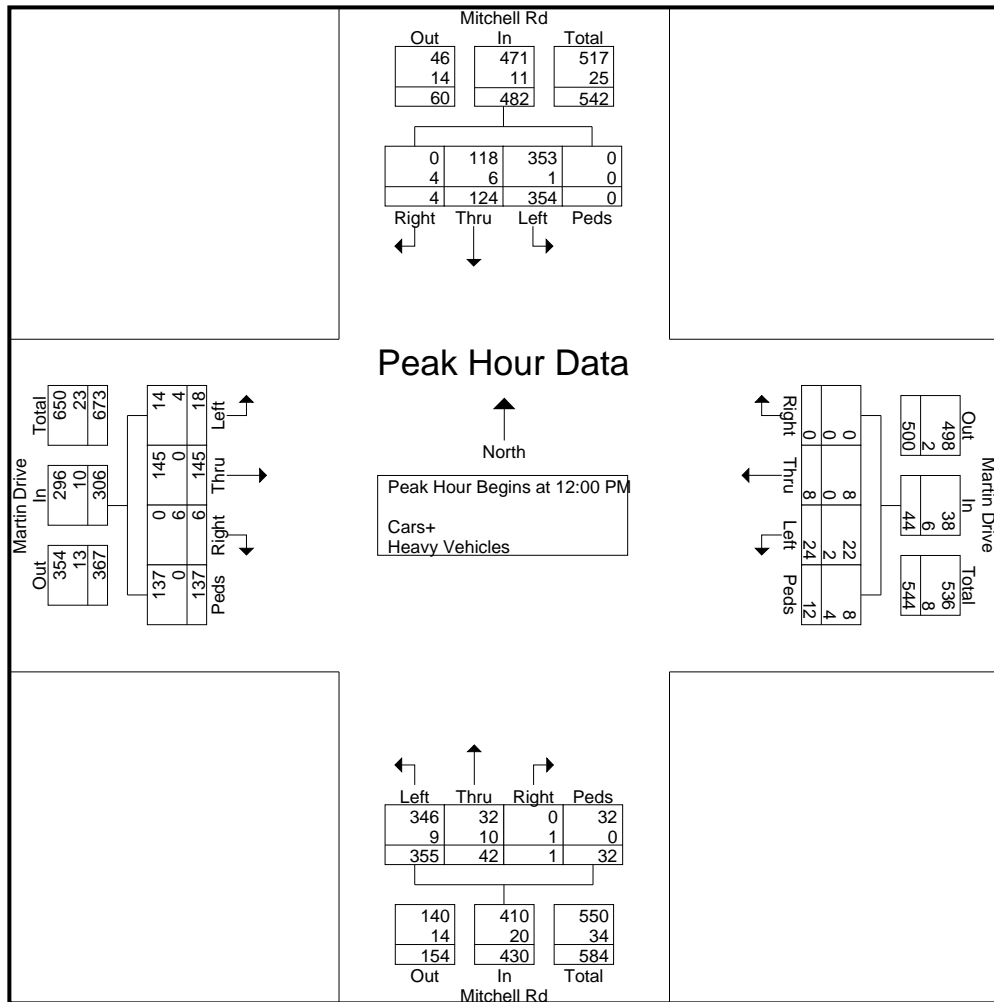
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	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	Peds	Right	Thru	Left	App. Total	
Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	1	27	96	124	3	0	0	6	9	8	0	3	80	91	31	1	59	4	95	319
12:15 PM	0	1	44	93	138	6	0	3	7	16	5	1	11	77	94	31	1	34	5	71	319
12:30 PM	0	1	26	75	102	0	0	4	7	11	8	0	10	97	115	33	0	30	5	68	296
12:45 PM	0	1	27	90	118	3	0	1	4	8	11	0	18	101	130	42	4	22	4	72	328
Total Volume	0	4	124	354	482	12	0	8	24	44	32	1	42	355	430	137	6	145	18	306	1262
% App. Total	0	0.8	25.7	73.4		27.3	0	18.2	54.5		7.4	0.2	9.8	82.6		44.8	2	47.4	5.9		
PHF	.000	1.00	.705	.922	.873	.500	.000	.500	.857	.688	.727	.250	.583	.879	.827	.815	.375	.614	.900	.805	.962
Cars+	0	0	118	353	471	8	0	8	22	38	32	0	32	346	410	137	0	145	14	296	1215
% Cars+	0	0	95.2	99.7	97.7	66.7	0	100	91.7	86.4	100	0	76.2	97.5	95.3	100	0	100	77.8	96.7	96.3
Heavy Vehicles	0	4	6	1	11	4	0	0	2	6	0	1	10	9	20	0	6	0	4	10	47
% Heavy Vehicles	0	100	4.8	0.3	2.3	33.3	0	0	8.3	13.6	0	100	23.8	2.5	4.7	0	100	0	22.2	3.3	3.7



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Start Time	Mitchell Rd Southbound					Martin Drive Westbound					Mitchell Rd Northbound					Martin Drive 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	
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	0	23	96	119	2	0	2	5	9	8	0	12	131	151	18	2	32	2	54	333
05:00 PM	0	1	44	129	174	4	0	11	1	16	11	1	9	127	148	18	0	49	10	77	415
05:15 PM	0	0	47	135	182	4	0	4	3	11	10	0	7	165	182	28	0	39	6	73	448
05:30 PM	0	0	47	102	149	4	0	4	3	11	13	0	18	154	185	23	0	41	2	66	411
Total Volume	0	1	161	462	624	14	0	21	12	47	42	1	46	577	666	87	2	161	20	270	1607
% App. Total	0	0.2	25.8	74	29.8	0	0	44.7	25.5	6.3	0.2	6.9	86.6	32.2	0.7	59.6	7.4				
PHF	.000	.250	.856	.856	.857	.875	.000	.477	.600	.734	.808	.250	.639	.874	.900	.777	.250	.821	.500	.877	.897
Cars+	0	0	160	462	622	13	0	21	12	46	42	1	41	574	658	86	0	161	14	261	1587
% Cars+	0	0	99.4	100	99.7	92.9	0	100	100	97.9	100	100	89.1	99.5	98.8	98.9	0	100	70.0	96.7	98.8
Heavy Vehicles	0	1	1	0	2	1	0	0	0	1	0	0	5	3	8	1	2	0	6	9	20
% Heavy Vehicles	0	100	0.6	0	0.3	7.1	0	0	0	2.1	0	0	10.9	0.5	1.2	1.1	100	0	30.0	3.3	1.2

