

# SRF Consulting

SRF No. 8642 Snelling Timing Project  
 Location: Snelling Avenue and Har Mar  
 SRF Consulting Group

File Name : snelling and har mar entrance  
 Site Code :  
 Start Date : 11/6/2014  
 Page No : 1

## Groups Printed- Cars+ - Heavy Vehicles

Start Time	Snelling Ave Southbound				Har Mar Westbound				Snelling Ave Northbound				Har Mar Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
06:00	1	101	5	0	0	0	5	0	3	66	1	0	2	1	7	0	192
06:15	1	166	12	0	1	1	4	0	5	86	5	0	8	1	10	0	300
06:30	4	214	8	0	0	0	3	1	7	108	6	0	7	0	10	0	368
06:45	6	307	16	0	1	2	1	0	6	166	11	0	8	3	20	0	547
Total	12	788	41	0	2	3	13	1	21	426	23	0	25	5	47	0	1407
07:00	5	328	26	1	10	2	11	0	14	150	6	0	8	1	19	0	581
07:15	7	401	18	1	2	2	6	0	13	194	4	0	17	0	27	0	692
07:30	7	359	35	0	8	1	2	0	9	233	2	0	17	1	29	0	703
07:45	6	440	28	0	6	1	5	0	18	279	8	0	15	5	25	0	836
Total	25	1528	107	2	26	6	24	0	54	856	20	0	57	7	100	0	2812
08:00	5	370	23	1	6	2	3	0	23	236	7	0	10	1	17	0	704
08:15	6	369	18	0	3	2	8	0	17	210	9	0	18	0	19	0	679
08:30	5	293	18	0	2	5	2	0	16	212	14	0	21	3	20	0	611
08:45	17	244	21	2	7	3	13	0	17	201	15	0	21	7	18	0	586
Total	33	1276	80	3	18	12	26	0	73	859	45	0	70	11	74	0	2580
09:00	10	216	21	0	10	1	9	0	10	167	18	0	13	4	19	0	498
09:15	19	194	18	0	5	1	11	1	14	156	12	0	19	5	17	0	472
*** BREAK ***																	
Total	29	410	39	0	15	2	20	1	24	323	30	0	32	9	36	0	970
*** BREAK ***																	
10:30	25	141	11	3	11	2	21	0	13	169	20	0	18	1	10	0	445
10:45	23	166	18	0	19	2	26	0	10	183	32	0	12	4	16	0	511
Total	48	307	29	3	30	4	47	0	23	352	52	0	30	5	26	0	956
11:00	31	147	17	2	19	11	30	0	13	209	24	2	15	7	6	0	533
11:15	37	139	21	1	29	6	25	0	25	182	32	0	19	4	15	0	535
11:30	41	153	40	1	13	7	24	0	19	200	26	0	29	9	28	0	590
11:45	40	204	37	0	40	6	28	0	29	236	33	0	35	5	16	0	709
Total	149	643	115	4	101	30	107	0	86	827	115	2	98	25	65	0	2367
12:00	36	179	45	3	35	7	34	0	33	231	28	0	28	2	27	0	688
12:15	36	181	36	0	31	10	34	0	36	237	40	0	28	7	28	0	704
12:30	26	225	35	0	43	9	38	0	25	213	42	0	34	5	36	0	731
12:45	40	223	30	0	47	19	27	0	22	227	41	0	41	6	32	1	756
Total	138	808	146	3	156	45	133	0	116	908	151	0	131	20	123	1	2879
13:00	25	219	39	1	33	8	46	0	36	184	38	0	36	7	25	0	697
13:15	29	186	23	2	40	4	47	0	28	222	27	0	27	5	35	0	675
*** BREAK ***																	
Total	54	405	62	3	73	12	93	0	64	406	65	0	63	12	60	0	1372
*** BREAK ***																	
14:30	33	187	23	2	30	6	39	0	14	274	39	0	23	4	19	0	693
14:45	26	173	17	3	27	6	38	0	12	273	31	1	21	6	15	0	649
Total	59	360	40	5	57	12	77	0	26	547	70	1	44	10	34	0	1342
15:00	46	192	15	0	29	8	35	1	15	293	24	0	18	6	8	0	690
15:15	34	211	12	5	21	3	24	0	13	339	28	1	21	3	24	0	739
15:30	32	208	20	0	38	7	37	1	14	354	25	0	18	4	17	0	775
15:45	44	226	27	0	35	12	31	0	15	432	36	0	15	8	14	0	895
Total	156	837	74	5	123	30	127	2	57	1418	113	1	72	21	63	0	3099
16:00	35	234	21	1	31	4	39	0	13	401	36	3	19	4	20	0	861
16:15	37	258	15	2	29	4	28	1	10	406	38	0	21	7	19	1	876
16:30	38	270	17	2	25	14	32	0	15	412	23	1	25	7	14	0	895
16:45	37	280	21	0	35	4	25	0	23	417	44	3	28	7	12	0	936
Total	147	1042	74	5	120	26	124	1	61	1636	141	7	93	25	65	1	3568

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 Page No : 2

## Groups Printed- Cars+ - Heavy Vehicles

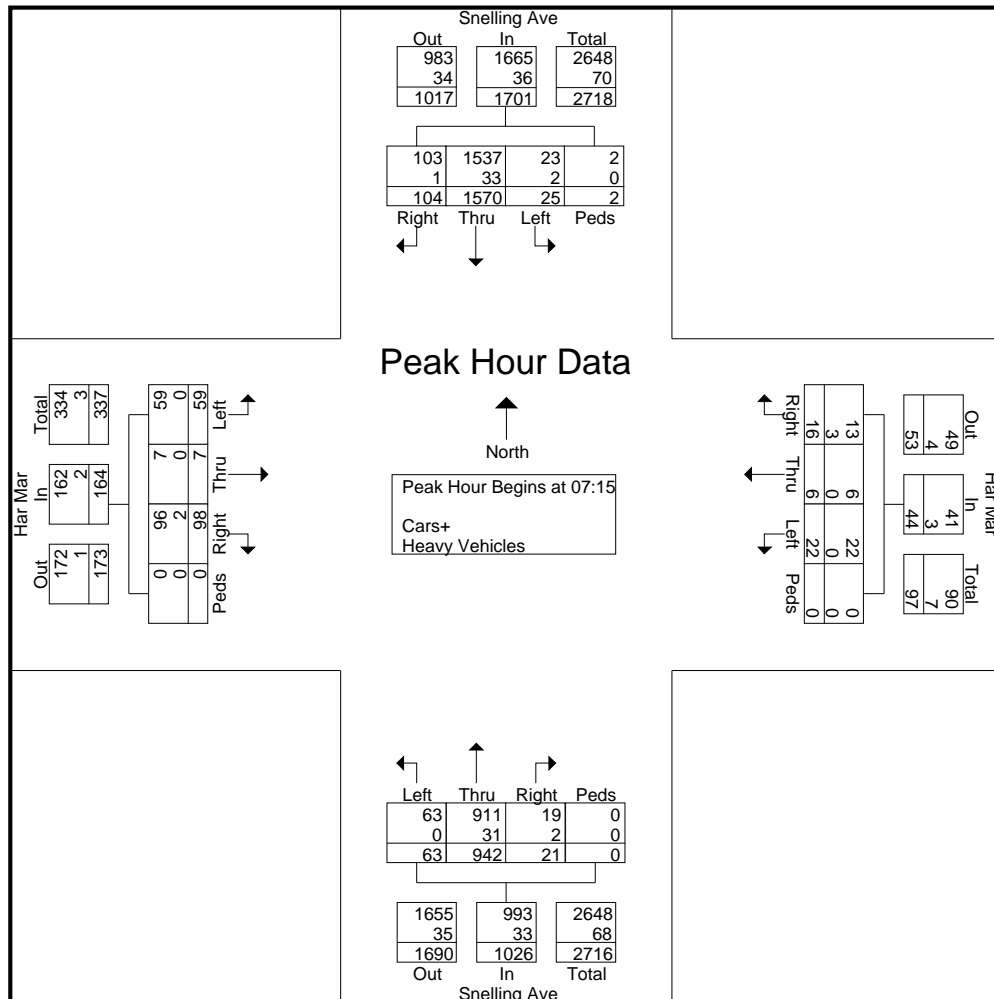
Start Time	Snelling Ave Southbound				Har Mar Westbound				Snelling Ave Northbound				Har Mar Eastbound				Int. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
17:00	43	302	22	5	30	11	41	1	16	407	49	0	23	11	19	1	981
17:15	48	300	16	0	35	10	41	0	23	404	37	0	32	14	19	0	979
17:30	35	300	29	0	27	11	20	0	21	383	30	0	24	6	19	0	905
17:45	25	266	12	0	19	11	36	0	24	316	43	0	23	8	20	0	803
Total	151	1168	79	5	111	43	138	1	84	1510	159	0	102	39	77	1	3668
Grand Total	1001	9572	886	38	832	225	929	6	689	10068	984	11	817	189	770	3	27020
Apprch %	8.7	83.3	7.7	0.3	41.8	11.3	46.6	0.3	5.9	85.7	8.4	0.1	45.9	10.6	43.3	0.2	
Total %	3.7	35.4	3.3	0.1	3.1	0.8	3.4	0	2.5	37.3	3.6	0	3	0.7	2.8	0	
Cars+	988	9253	879	37	830	225	917	4	685	9811	981	10	813	189	766	3	26391
% Cars+	98.7	96.7	99.2	97.4	99.8	100	98.7	66.7	99.4	97.4	99.7	90.9	99.5	100	99.5	100	97.7
Heavy Vehicles	13	319	7	1	2	0	12	2	4	257	3	1	4	0	4	0	629
% Heavy Vehicles	1.3	3.3	0.8	2.6	0.2	0	1.3	33.3	0.6	2.6	0.3	9.1	0.5	0	0.5	0	2.3

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Start Time	Snelling Ave Southbound					Har Mar Westbound					Snelling Ave Northbound					Har Mar 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	401	18	1	427	2	2	6	0	10	13	194	4	0	211	17	0	27	0	44	692
07:30	7	359	35	0	401	8	1	2	0	11	9	233	2	0	244	17	1	29	0	47	703
07:45	6	440	28	0	474	6	1	5	0	12	18	279	8	0	305	15	5	25	0	45	836
08:00	5	370	23	1	399	6	2	3	0	11	23	236	7	0	266	10	1	17	0	28	704
Total Volume	25	1570	104	2	1701	22	6	16	0	44	63	942	21	0	1026	59	7	98	0	164	2935
% App. Total	1.5	92.3	6.1	0.1		50	13.6	36.4	0		6.1	91.8	2	0		36	4.3	59.8	0		
PHF	.893	.892	.743	.500	.897	.688	.750	.667	.000	.917	.685	.844	.656	.000	.841	.868	.350	.845	.000	.872	.878
Cars+	23	1537																			
% Cars+	92.0	97.9	99.0	100	97.9	100	100	81.3	0	93.2	100	96.7	90.5	0	96.8	100	100	98.0	0	98.8	97.5
Heavy Vehicles	2	33	1	0	36	0	0	3	0	3	0	31	2	0	33	0	0	2	0	2	74
% Heavy Vehicles	8.0	2.1	1.0	0	2.1	0	0	18.8	0	6.8	0	3.3	9.5	0	3.2	0	0	2.0	0	1.2	2.5

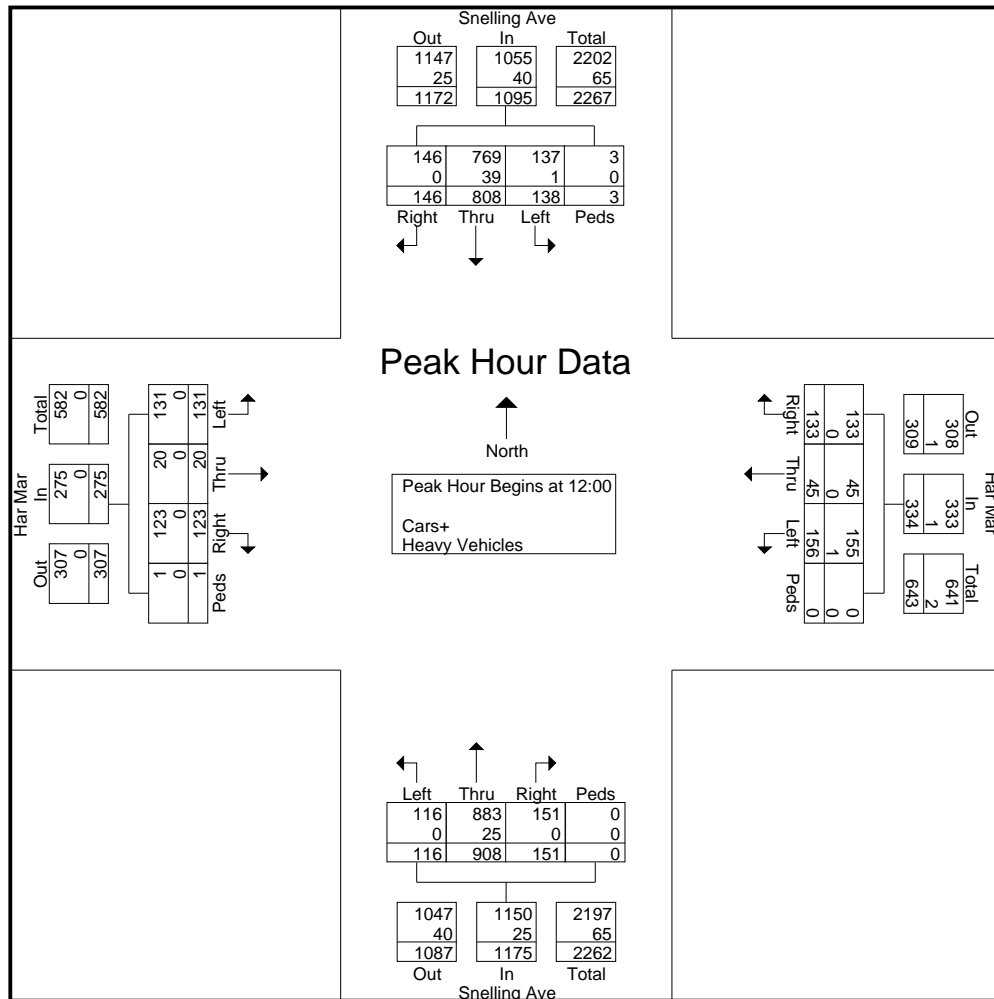


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Start Time	Snelling Ave Southbound					Har Mar Westbound					Snelling Ave Northbound					Har Mar Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 09:00 to 12:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00																					
12:00	36	179	45	3	263	35	7	34	0	76	33	231	28	0	292	28	2	27	0	57	688
12:15	36	181	36	0	253	31	10	34	0	75	36	237	40	0	313	28	7	28	0	63	704
12:30	26	225	35	0	286	43	9	38	0	90	25	213	42	0	280	34	5	36	0	75	731
12:45	40	223	30	0	293	47	19	27	0	93	22	227	41	0	290	41	6	32	1	80	756
Total Volume	138	808	146	3	1095	156	45	133	0	334	116	908	151	0	1175	131	20	123	1	275	2879
% App. Total	12.6	73.8	13.3	0.3		46.7	13.5	39.8	0		9.9	77.3	12.9	0		47.6	7.3	44.7	0.4		
PHF	.863	.898	.811	.250	.934	.830	.592	.875	.000	.898	.806	.958	.899	.000	.938	.799	.714	.854	.250	.859	.952
Cars+	137	769	146	3	1055	155	45	133	0	333	116	883	151	0	1150	131	20	123	1	275	2813
% Cars+	99.3	95.2	100	100	96.3	99.4	100	100	0	99.7	100	97.2	100	0	97.9	100	100	100	100	100	97.7
Heavy Vehicles																					
% Heavy Vehicles	0.7	4.8	0	0	3.7	0.6	0	0	0	0.3	0	2.8	0	2.1	0	0	0	0	0	0	2.3



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Start Time	Snelling Ave Southbound					Har Mar Westbound					Snelling Ave Northbound					Har Mar 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 13:00 to 16:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:00																					
16:00	35	234	21	1	291	31	4	39	0	74	13	401	36	3	453	19	4	20	0	43	861
16:15	37	258	15	2	312	29	4	28	1	62	10	406	38	0	454	21	7	19	1	48	876
16:30	38	270	17	2	327	25	14	32	0	71	15	412	23	1	451	25	7	14	0	46	895
16:45	37	280	21	0	338	35	4	25	0	64	23	417	44	3	487	28	7	12	0	47	936
Total Volume	147	1042	74	5	1268	120	26	124	1	271	61	1636	141	7	1845	93	25	65	1	184	3568
% App. Total	11.6	82.2	5.8	0.4		44.3	9.6	45.8	0.4		3.3	88.7	7.6	0.4		50.5	13.6	35.3	0.5		
PHF	.967	.930	.881	.625	.938	.857	.464	.795	.250	.916	.663	.981	.801	.583	.947	.830	.893	.813	.250	.958	.953
Cars+	147	1013									1614										
% Cars+	100	97.2	98.6	100	97.6	100	100	100	100	100	100	98.7	100	85.7	98.8	97.8	100	100	100	98.9	98.5
Heavy Vehicles	0	29	1	0	30	0	0	0	0	0	0	22	0	1	23	2	0	0	0	0	2
% Heavy Vehicles	0	2.8	1.4	0	2.4	0	0	0	0	0	0	1.3	0	14.3	1.2	2.2	0	0	0	1.1	1.5

