

HENNEPIN COUNTY DEPT. OF PUBLIC WORKS TRANSPORTATION PLANNING SECTION TRAFFIC MOVEMENT STUDY

AM-PM MID DAY T.M. STUDY
CSAH # 9 @ I-494 E. RAMP
6-9 AM, 11-1 & 3-6 PM.
CONDUCTED BY SIGNAL SHOP

File Name : STDY 3460
Site Code : 08056850
Start Date : 6/11/2013
Page No : 1

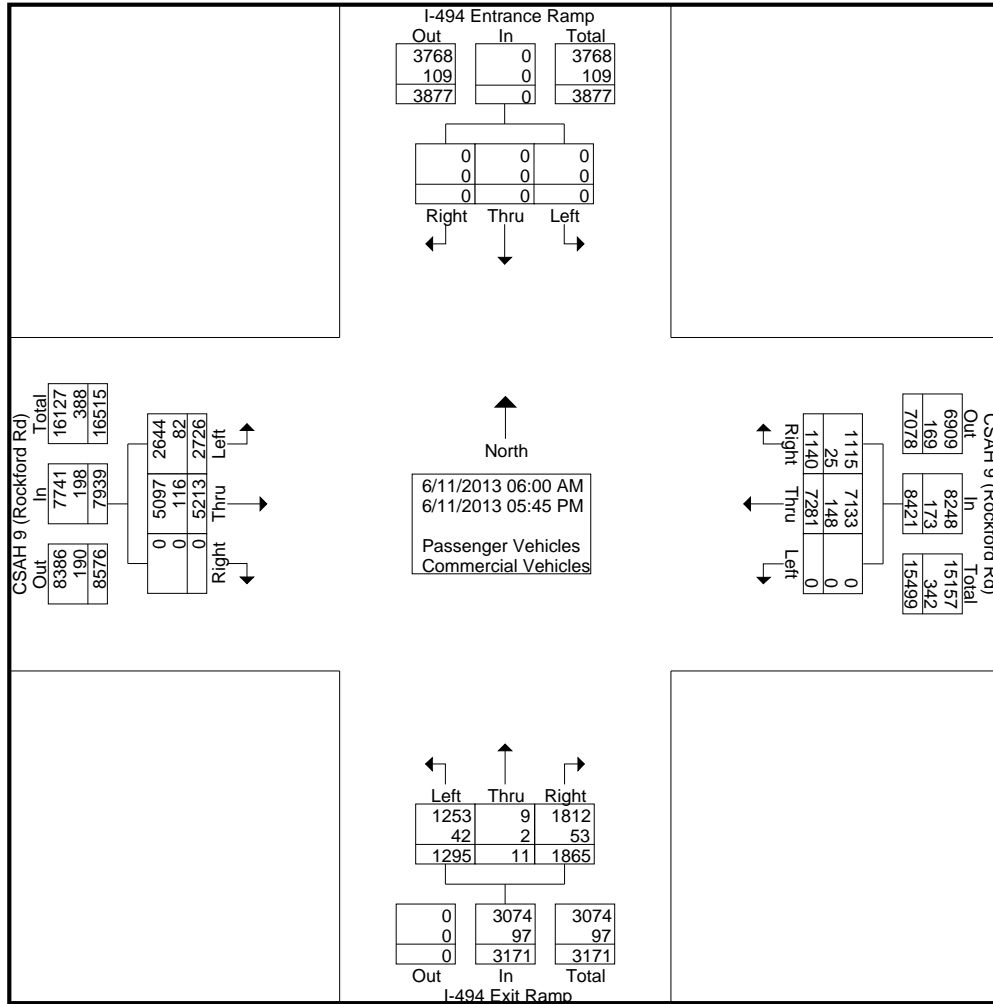
Groups Printed- Passenger Vehicles - Commercial Vehicles

Start Time	I-494 Entrance Ramp Southbound				CSAH 9 (Rockford Rd) Westbound				I-494 Exit Ramp Northbound				CSAH 9 (Rockford Rd) Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
06:00 AM	0	0	0	0	0	50	12	62	12	0	13	25	29	45	0	74	161
06:15 AM	0	0	0	0	0	93	6	99	21	0	19	40	47	56	0	103	242
06:30 AM	0	0	0	0	0	153	16	169	25	0	28	53	74	70	0	144	366
06:45 AM	0	0	0	0	0	189	13	202	44	0	45	89	82	92	0	174	465
Total	0	0	0	0	0	485	47	532	102	0	105	207	232	263	0	495	1234
07:00 AM	0	0	0	0	0	196	16	212	37	3	41	81	74	89	0	163	456
07:15 AM	0	0	0	0	0	227	27	254	37	0	75	112	93	114	0	207	573
07:30 AM	0	0	0	0	0	309	35	344	35	0	65	100	113	106	0	219	663
07:45 AM	0	0	0	0	0	339	15	354	55	2	60	117	99	163	0	262	733
Total	0	0	0	0	0	1071	93	1164	164	5	241	410	379	472	0	851	2425
08:00 AM	0	0	0	0	0	252	25	277	56	0	46	102	94	130	0	224	603
08:15 AM	0	0	0	0	0	247	19	266	61	0	76	137	93	132	0	225	628
08:30 AM	0	0	0	0	0	246	14	260	62	0	70	132	80	128	0	208	600
08:45 AM	0	0	0	0	0	243	21	264	58	1	75	134	82	139	0	221	619
Total	0	0	0	0	0	988	79	1067	237	1	267	505	349	529	0	878	2450
*** BREAK ***																	
11:00 AM	0	0	0	0	0	169	36	205	51	0	74	125	60	128	0	188	518
11:15 AM	0	0	0	0	0	160	37	197	47	0	68	115	76	155	0	231	543
11:30 AM	0	0	0	0	0	208	43	251	49	0	80	129	95	175	0	270	650
11:45 AM	0	0	0	0	0	202	37	239	62	1	94	157	80	155	0	235	631
Total	0	0	0	0	0	739	153	892	209	1	316	526	311	613	0	924	2342
12:00 PM	0	0	0	0	0	206	33	239	53	0	84	137	65	199	0	264	640
12:15 PM	0	0	0	0	0	229	40	269	60	1	72	133	66	177	0	243	645
12:30 PM	0	0	0	0	0	250	43	293	59	0	72	131	65	157	0	222	646
12:45 PM	0	0	0	0	0	227	40	267	55	0	71	126	72	171	0	243	636
Total	0	0	0	0	0	912	156	1068	227	1	299	527	268	704	0	972	2567
*** BREAK ***																	
03:00 PM	0	0	0	0	0	172	46	218	72	0	78	150	112	180	0	292	660
03:15 PM	0	0	0	0	0	199	49	248	38	0	69	107	85	175	0	260	615
03:30 PM	0	0	0	0	0	221	46	267	23	0	39	62	102	185	0	287	616
03:45 PM	0	0	0	0	0	211	44	255	29	0	49	78	94	210	0	304	637
Total	0	0	0	0	0	803	185	988	162	0	235	397	393	750	0	1143	2528
04:00 PM	0	0	0	0	0	251	50	301	20	0	45	65	103	199	0	302	668
04:15 PM	0	0	0	0	0	236	47	283	22	0	37	59	98	210	0	308	650
04:30 PM	0	0	0	0	0	257	56	313	13	0	52	65	102	211	0	313	691
04:45 PM	0	0	0	0	0	304	40	344	30	2	43	75	95	218	0	313	732
Total	0	0	0	0	0	1048	193	1241	85	2	177	264	398	838	0	1236	2741
05:00 PM	0	0	0	0	0	307	63	370	31	0	47	78	94	265	0	359	807
05:15 PM	0	0	0	0	0	342	66	408	18	1	51	70	90	258	0	348	826
05:30 PM	0	0	0	0	0	313	54	367	24	0	63	87	92	254	0	346	800
05:45 PM	0	0	0	0	0	273	51	324	36	0	64	100	120	267	0	387	811
Total	0	0	0	0	0	1235	234	1469	109	1	225	335	396	1044	0	1440	3244
Grand Total	0	0	0	0	0	7281	1140	8421	1295	11	1865	3171	2726	5213	0	7939	19531
Apprch %	0	0	0	0	0	86.5	13.5		40.8	0.3	58.8		34.3	65.7	0		
Total %	0	0	0	0	0	37.3	5.8	43.1	6.6	0.1	9.5	16.2	14	26.7	0	40.6	
Passenger Vehicles	0	0	0	0	0	7133	1115	8248	1253	9	1812	3074	2644	5097	0	7741	19063
% Passenger Vehicles	0	0	0	0	0	98	97.8	97.9	96.8	81.8	97.2	96.9	97	97.8	0	97.5	97.6
Commercial Vehicles	0	0	0	0	0	148	25	173	42	2	53	97	82	116	0	198	468
% Commercial Vehicles																	

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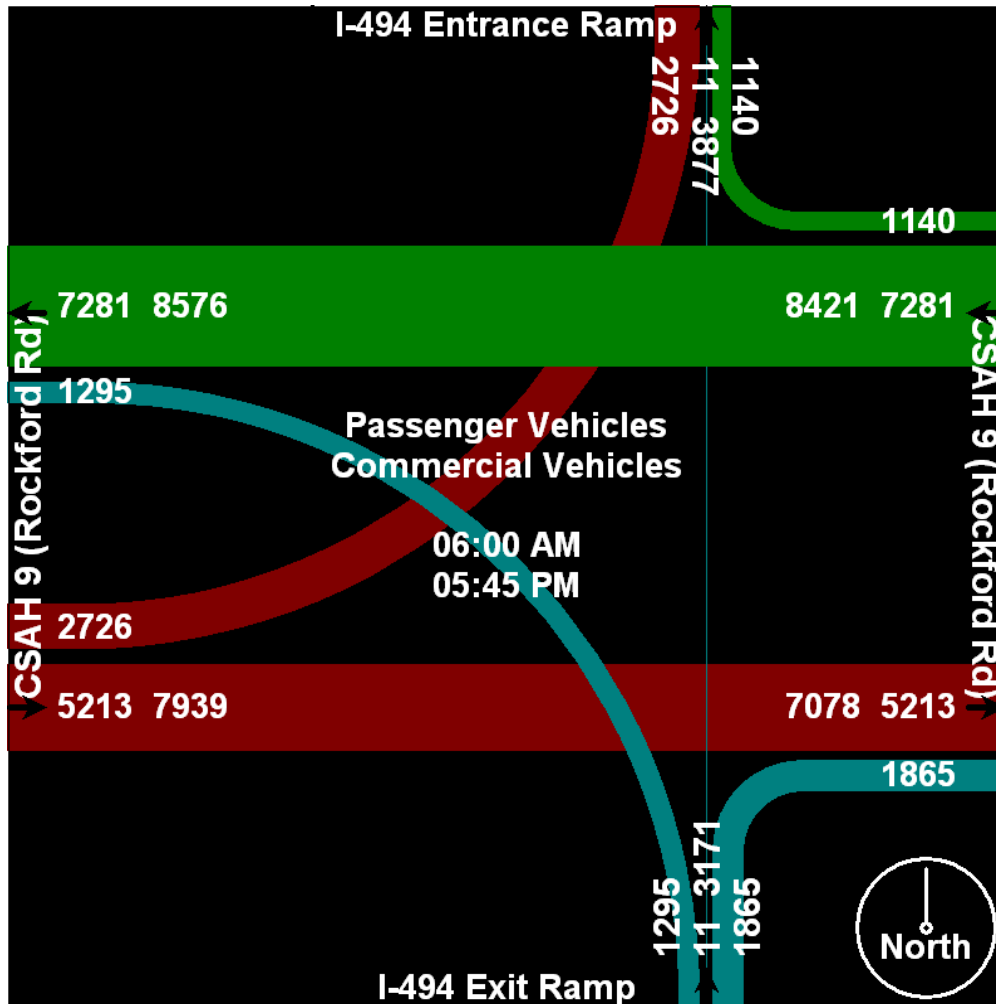
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Site Code : 08056850
Start Date : 6/11/2013
Page No : 2



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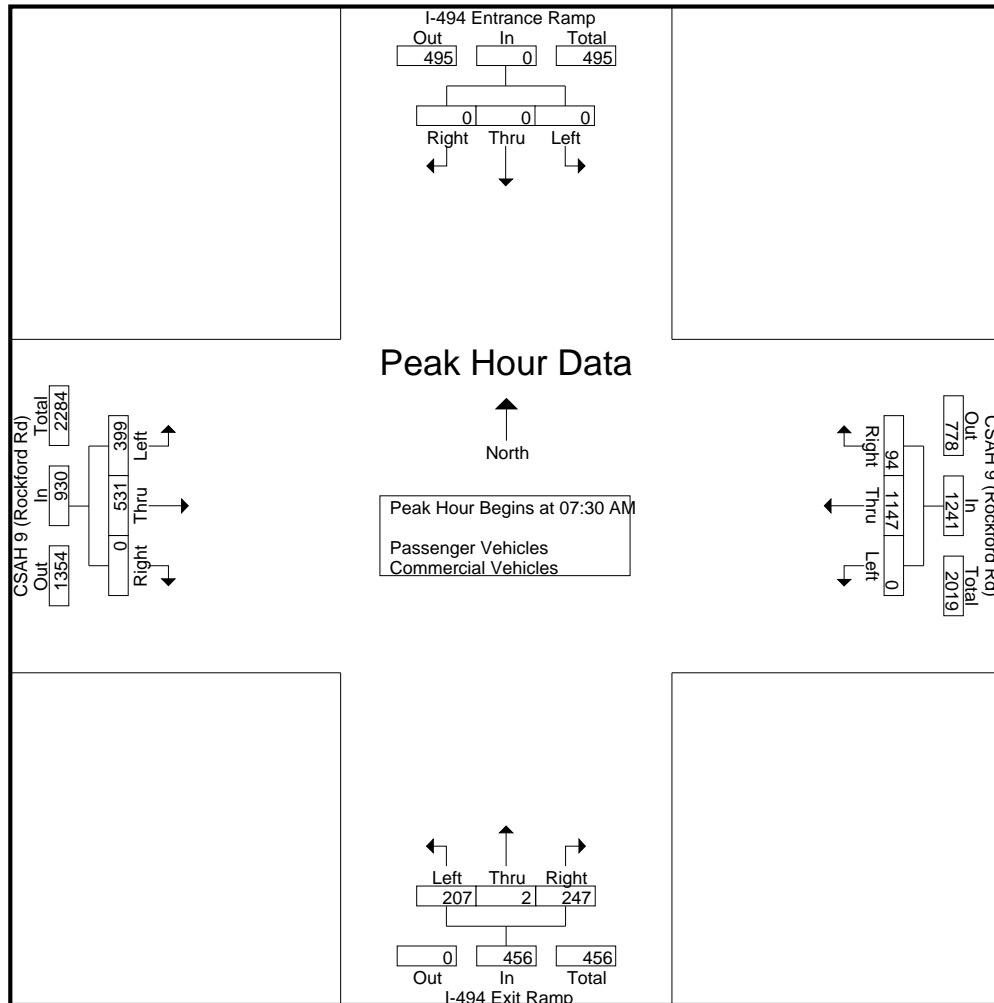


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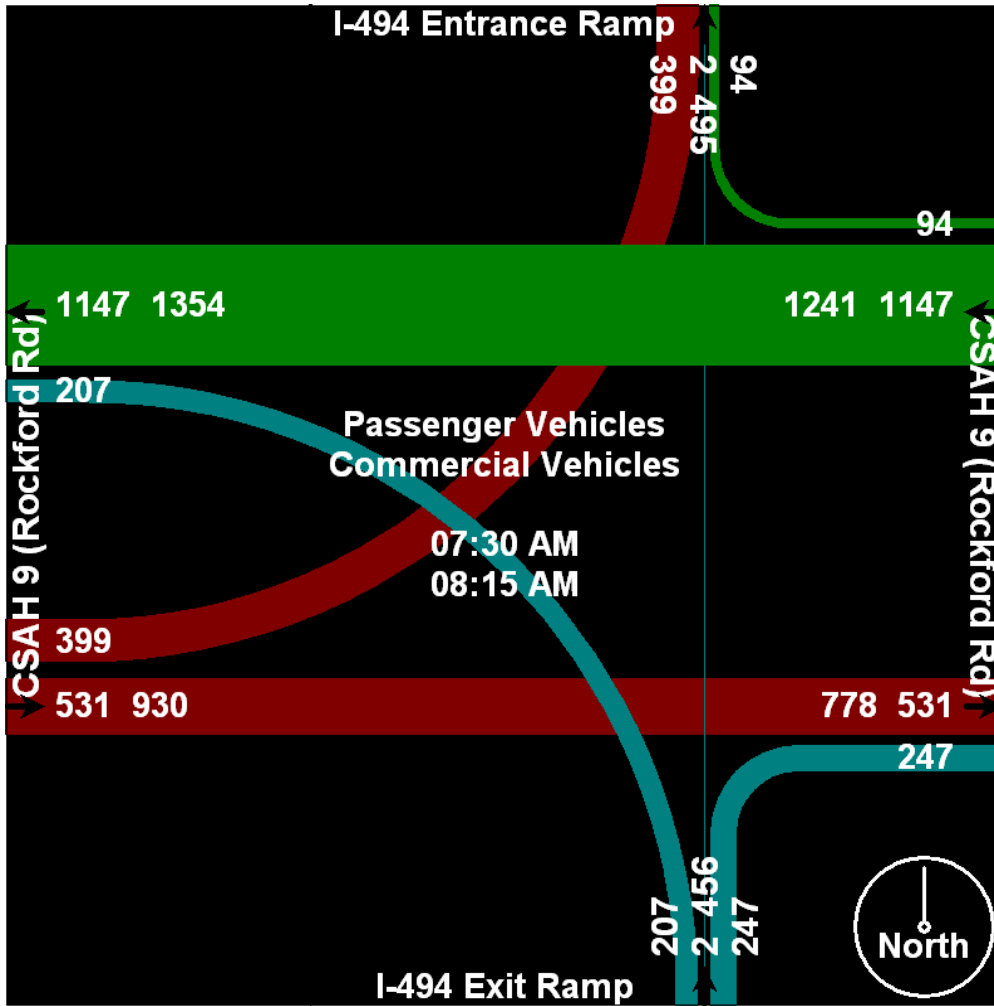
Start Time	I-494 Entrance Ramp Southbound				CSAH 9 (Rockford Rd) Westbound				I-494 Exit Ramp Northbound				CSAH 9 (Rockford Rd) Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:30 AM																	
07:30 AM	0	0	0	0	0	309	35	344	35	0	65	100	113	106	0	219	663
07:45 AM	0	0	0	0	0	339	15	354	55	2	60	117	99	163	0	262	733
08:00 AM	0	0	0	0	0	252	25	277	56	0	46	102	94	130	0	224	603
08:15 AM	0	0	0	0	0	247	19	266	61	0	76	137	93	132	0	225	628
Total Volume	0	0	0	0	0	1147	94	1241	207	2	247	456	399	531	0	930	2627
% App. Total	0	0	0	0	0	92.4	7.6		45.4	0.4	54.2		42.9	57.1	0		
PHF	.000	.000	.000	.000	.000	.846	.671	.876	.848	.250	.813	.832	.883	.814	.000	.887	.896



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Start Date : 6/11/2013
Page No : 5

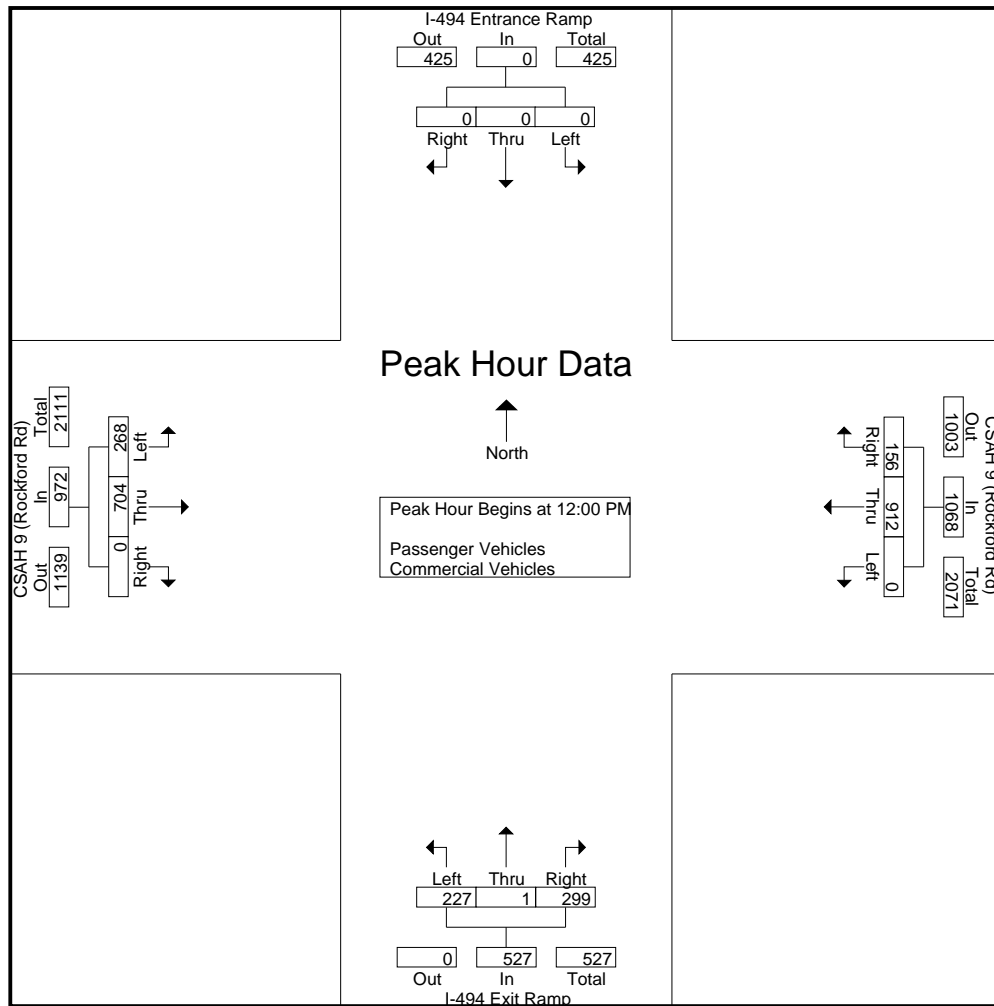


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Start Date : 6/11/2013
Page No : 6

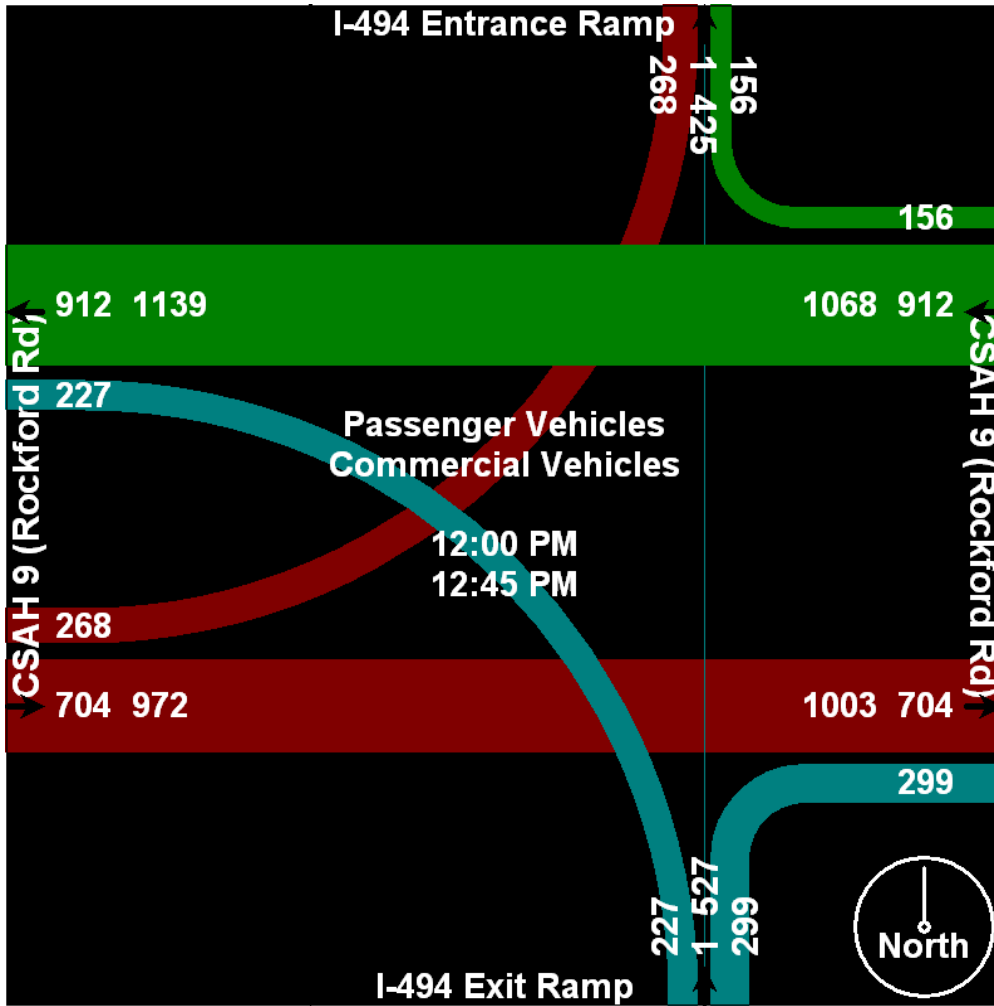
Start Time	I-494 Entrance Ramp Southbound				CSAH 9 (Rockford Rd) Westbound				I-494 Exit Ramp Northbound				CSAH 9 (Rockford Rd) Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 12:00 PM																	
12:00 PM	0	0	0	0	0	206	33	239	53	0	84	137	65	199	0	264	640
12:15 PM	0	0	0	0	0	229	40	269	60	1	72	133	66	177	0	243	645
12:30 PM	0	0	0	0	0	250	43	293	59	0	72	131	65	157	0	222	646
12:45 PM	0	0	0	0	0	227	40	267	55	0	71	126	72	171	0	243	636
Total Volume	0	0	0	0	0	912	156	1068	227	1	299	527	268	704	0	972	2567
% App. Total	0	0	0	0	0	85.4	14.6		43.1	0.2	56.7		27.6	72.4	0		
PHF	.000	.000	.000	.000	.000	.912	.907	.911	.946	.250	.890	.962	.931	.884	.000	.920	.993



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Page No : 7

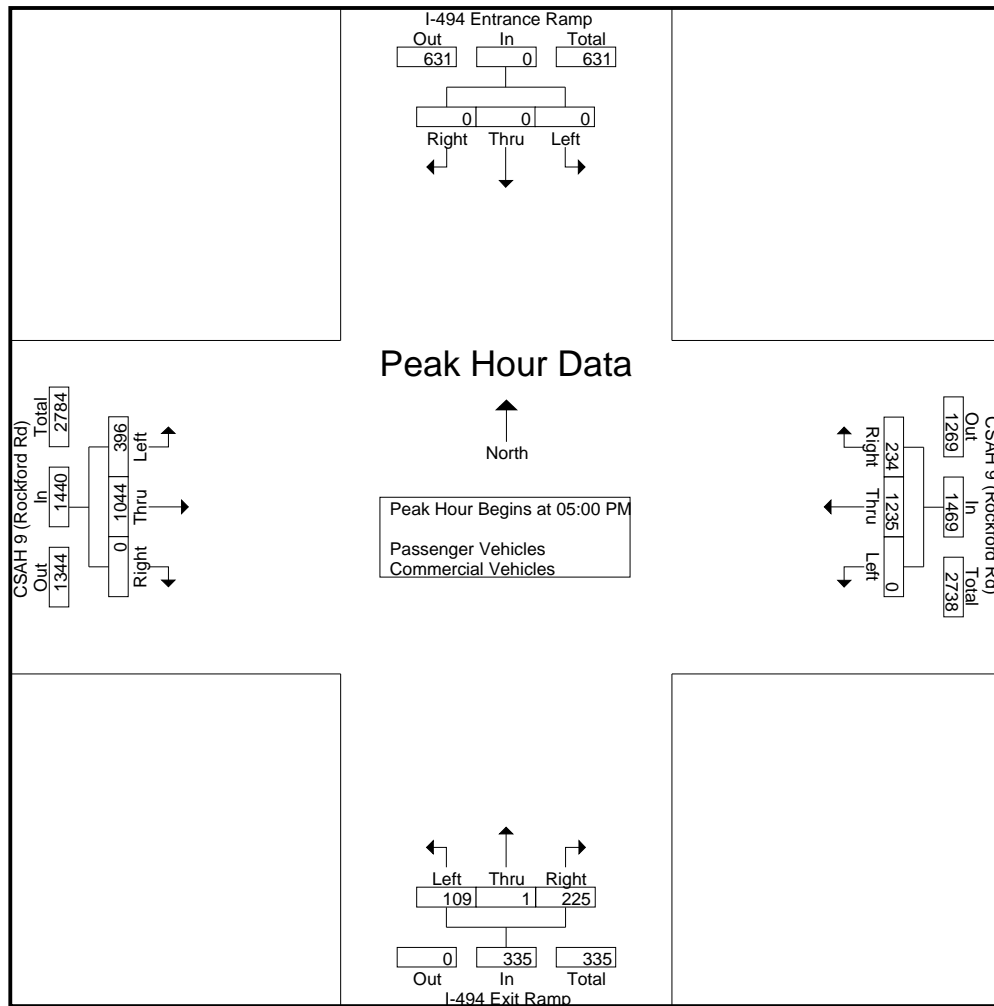


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Page No : 8

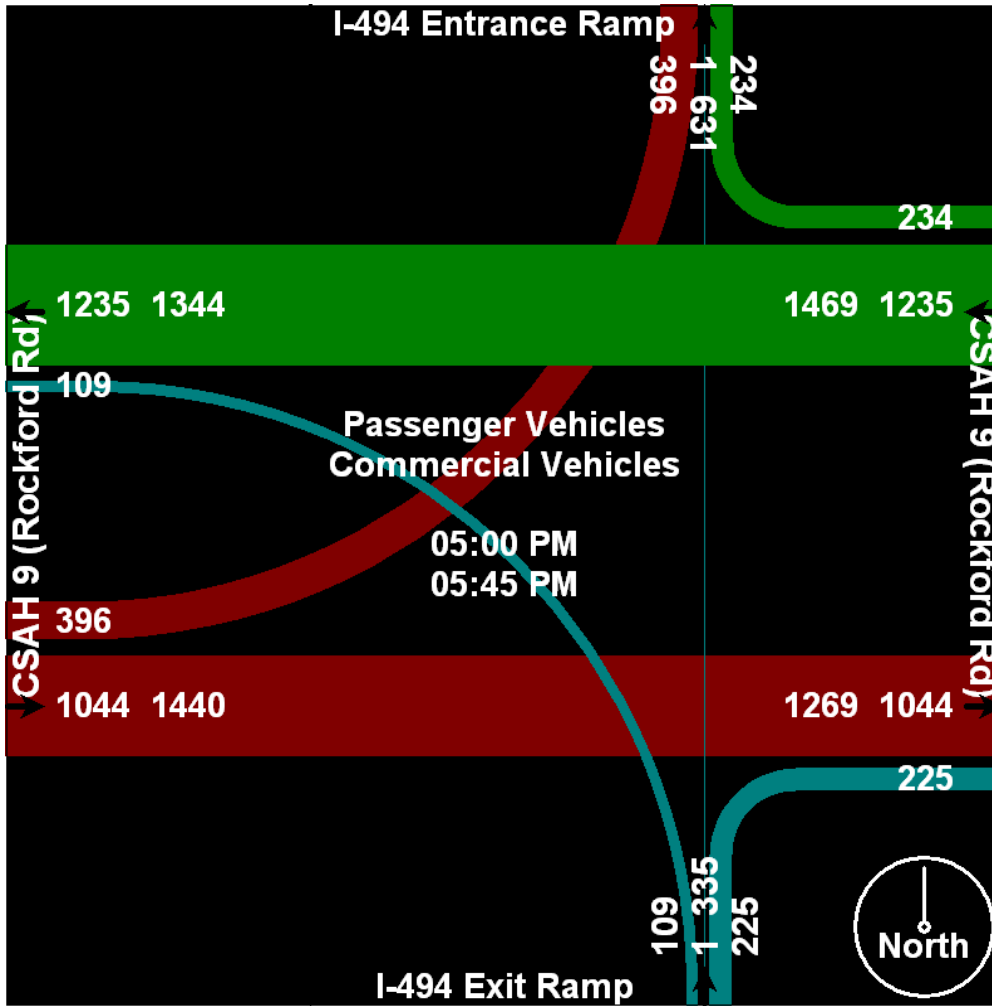
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	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 05:00 PM																	
05:00 PM	0	0	0	0	0	307	63	370	31	0	47	78	94	265	0	359	807
05:15 PM	0	0	0	0	0	342	66	408	18	1	51	70	90	258	0	348	826
05:30 PM	0	0	0	0	0	313	54	367	24	0	63	87	92	254	0	346	800
05:45 PM	0	0	0	0	0	273	51	324	36	0	64	100	120	267	0	387	811
Total Volume	0	0	0	0	0	1235	234	1469	109	1	225	335	396	1044	0	1440	3244
% App. Total	0	0	0	0	0	84.1	15.9		32.5	0.3	67.2		27.5	72.5	0		
PHF	.000	.000	.000	.000	.000	.903	.886	.900	.757	.250	.879	.838	.825	.978	.000	.930	.982



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Page No : 9



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Start Date : 6/11/2013
Page No : 10

