

Appendix A

Traffic Data Used in the Assessment of Existing Transportation Conditions



Appendix A-1

Turning Movement Counts – Carp Road and Highway 417 N Westbound

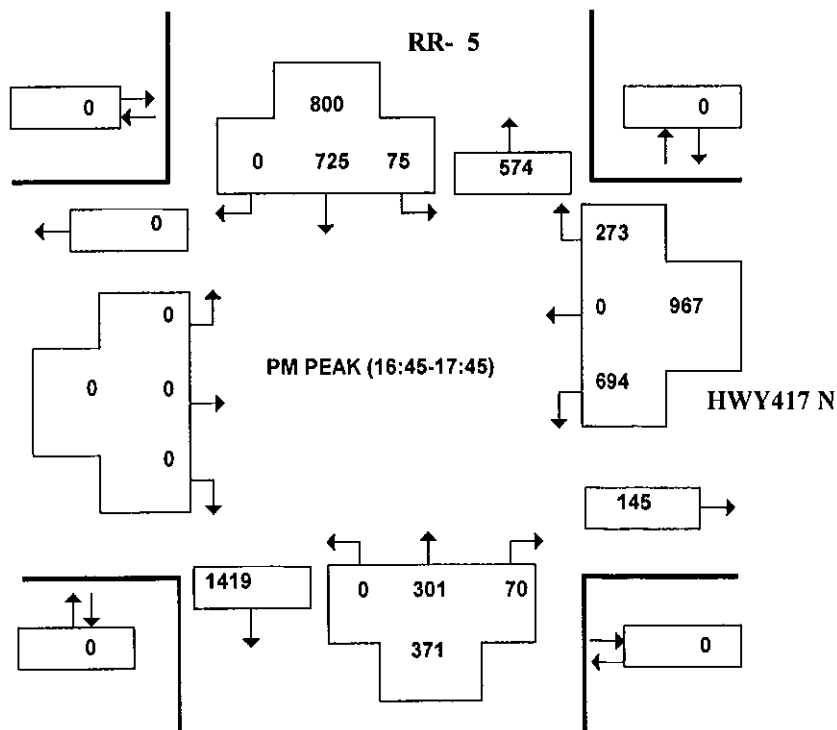
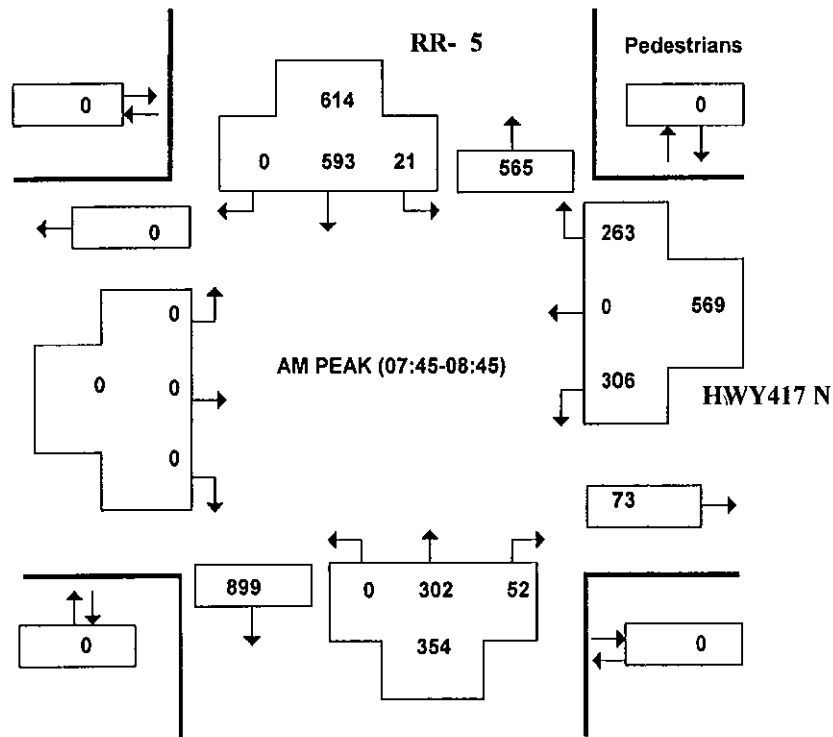


CARP and HWY 417 N WESTBOUND (ULRS Listing RR- 5 & HWY417 N)

Survey Date: Tuesday 16 June 2009
Conditions: dry
Start Time: 0700

Total Observed U-Turns
Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 1

AADT Factor
Tuesday in June is
9



Vehicular Turning Movements - Summary

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Tuesday 16 June 2009

Conditions: dry

Start Time: 0700

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 1

AADT Factor

Tuesday in June is

9

Time Period	RR- 5									HWY417 N									GRAND TOT
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT			
07:00-08:00	0	274	33	307	27	398	0	425	732	0	0	0	0	218	0	261	479	479	1211
08:00-09:00	0	305	55	360	13	603	0	616	976	0	0	0	0	325	0	230	555	555	1531
09:00-10:00	0	259	43	302	7	346	0	353	655	0	0	0	0	149	0	105	254	254	909
11:30-12:30	0	145	59	204	9	485	0	494	698	0	0	0	0	353	0	166	519	519	1217
12:30-13:30	0	200	53	253	25	483	0	508	761	0	0	0	0	354	0	199	553	553	1314
15:00-16:00	0	249	152	401	13	580	0	593	994	0	0	0	0	440	0	240	680	680	1674
16:00-17:00	0	201	75	276	62	638	0	700	976	0	0	0	0	586	0	225	811	811	1787
17:00-18:00	0	323	66	389	78	657	0	735	1124	0	0	0	0	693	0	278	971	971	2095
8.0 HR TOTAL	0	1956	536	2492	234	4190	0	4424	6916	0	0	0	0	3118	0	1704	4822	4822	11738

EQU. 12 HR TOTAL 0 2718 745 3463 325 5824 0 6149 9612 0 0 0 0 4334 0 2368 6702 6702 16314

Note: These values are calculated by multiplying the totals by the appropriate expansion factor.

AVG. 12 HR TOTAL 0 2446 670 3116 292 5241 0 5533 8649 0 0 0 0 3900 0 2131 6031 6031 14680

Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.

AVG. 24 HR TOTAL 0 3204 877 4081 382 6865 0 7247 11328 0 0 0 0 5109 0 2791 7900 7900 19228

Note: These volumes were calculated by multiplying the Average Daily 12 hr totals by 1.31.

AM TOTAL (0700-0900) 0 579 88 667 40 1001 0 1041 1708 0 0 0 0 543 0 491 1034 1034 2742

PM TOTAL (1530-1730) 0 483 198 681 120 1283 0 1403 2084 0 0 0 0 1255 0 481 1736 1736 3820

Vehicular Turning Movements (15 Min. Volumes)
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Tuesday 16 June 2009

Conditions: dry

Start Time: 07:00

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 1

AADT Factor

Tuesday in June is

9

Time Period	RR- 5									HWY417 N								
	Northbound				Southbound				STR TOT	Eastbound				Westbound				GRAND TOT
	LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT		LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT	
07:00-07:15	0	37	8	45	0	58	0	58	103	0	0	0	0	42	0	46	88	191
07:15-07:30	0	69	4	73	9	124	0	133	206	0	0	0	0	41	0	54	95	301
07:30-07:45	0	90	8	98	9	84	0	93	191	0	0	0	0	76	0	89	165	356
07:45-08:00	0	78	13	91	9	132	0	141	232	0	0	0	0	59	0	72	131	363
08:00-08:15	0	73	19	92	0	153	0	153	245	0	0	0	0	80	0	60	140	385
08:15-08:30	0	82	14	96	6	150	0	156	252	0	0	0	0	71	0	77	148	400
08:30-08:45	0	69	6	75	6	158	0	164	239	0	0	0	0	96	0	54	150	389
08:45-09:00	0	81	16	97	1	142	0	143	240	0	0	0	0	78	0	39	117	357
09:00-09:15	0	66	11	77	3	99	0	102	179	0	0	0	0	55	0	35	90	269
09:15-09:30	0	59	10	69	1	118	0	119	188	0	0	0	0	48	0	38	86	274
09:30-09:45	0	70	19	89	0	0	0	0	89	0	0	0	0	0	0	0	0	89
09:45-10:00	0	64	3	67	3	129	0	132	199	0	0	0	0	46	0	32	78	277
11:30-11:45	0	30	17	47	1	115	0	116	163	0	0	0	0	55	0	33	88	251
11:45-12:00	0	34	13	47	0	141	0	141	188	0	0	0	0	90	0	39	129	317
12:00-12:15	0	33	13	46	3	92	0	95	141	0	0	0	0	107	0	29	136	277
12:15-12:30	0	48	16	64	5	137	0	142	206	0	0	0	0	101	0	65	166	372
12:30-12:45	0	39	17	56	9	125	0	134	190	0	0	0	0	85	0	49	134	324
12:45-13:00	0	82	14	96	6	129	0	135	231	0	0	0	0	105	0	44	149	380
13:00-13:15	0	51	10	61	0	114	0	114	175	0	0	0	0	111	0	45	156	331
13:15-13:30	0	28	12	40	10	115	0	125	165	0	0	0	0	53	0	61	114	279
15:00-15:15	0	53	36	89	1	156	0	157	246	0	0	0	0	52	0	54	106	352
15:15-15:30	0	70	32	102	0	152	0	152	254	0	0	0	0	109	0	67	176	430
15:30-15:45	0	68	47	115	0	153	0	153	268	0	0	0	0	130	0	64	194	462
15:45-16:00	0	58	37	95	12	119	0	131	226	0	0	0	0	149	0	55	204	430
16:00-16:15	0	39	14	53	13	147	0	160	213	0	0	0	0	117	0	41	158	371
16:15-16:30	0	46	22	68	24	163	0	187	255	0	0	0	0	168	0	71	239	494
16:30-16:45	0	47	17	64	16	152	0	168	232	0	0	0	0	168	0	58	226	458
16:45-17:00	0	69	22	91	9	176	0	185	276	0	0	0	0	133	0	55	188	464
17:00-17:15	0	83	19	102	18	177	0	195	297	0	0	0	0	212	0	63	275	572
17:15-17:30	0	73	20	93	28	196	0	224	317	0	0	0	0	178	0	74	252	569
17:30-17:45	0	76	9	85	20	176	0	196	281	0	0	0	0	171	0	81	252	533
17:45-18:00	0	91	18	109	12	108	0	120	229	0	0	0	0	132	0	60	192	421

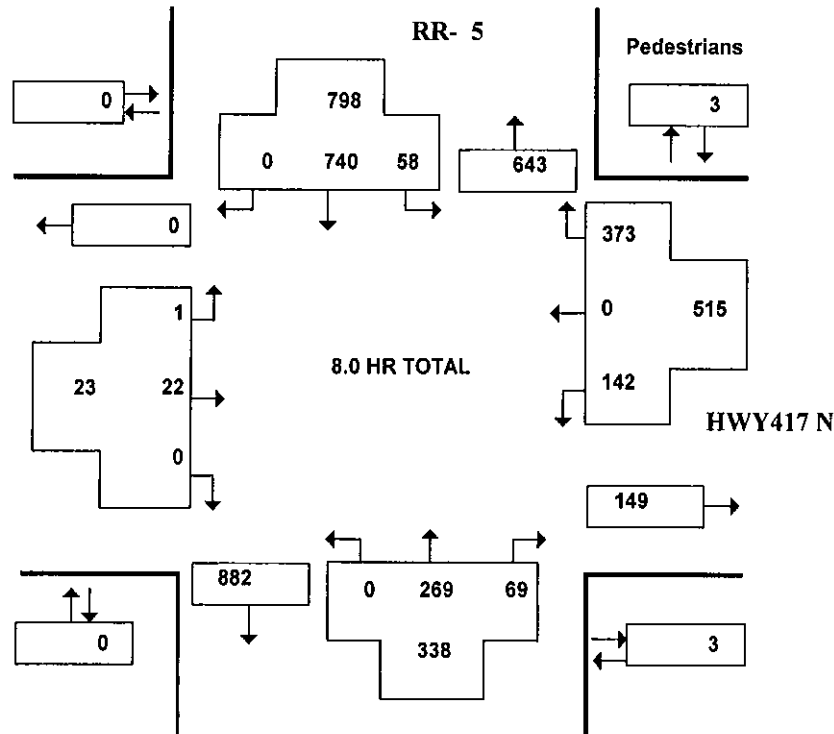
**CARP and HWY 417 N WESTBOUND**

(ULRS Listing RR- 5 & HWY417 N)

Survey Date : Tuesday 16 June 2009

Conditions : dry

Start Time : 0700



Time Period	RR- 5										HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT				
07:00-08:00	0	25	1	26	7	95	0	102	128	0	0	0	0	9	0	34	43	43	171	
08:00-09:00	0	36	4	40	7	140	0	147	187	0	0	0	0	31	0	59	90	90	277	
09:00-10:00	0	44	9	53	6	78	0	84	137	0	0	0	0	3	0	39	42	42	179	
11:30-12:30	0	18	10	28	6	73	0	79	107	1	22	0	23	11	0	38	49	72	179	
12:30-13:30	0	29	11	40	5	100	0	105	145	0	0	0	0	25	0	52	77	77	222	
15:00-16:00	0	38	25	63	4	101	0	105	168	0	0	0	0	25	0	66	91	91	259	
16:00-17:00	0	46	6	52	14	94	0	108	160	0	0	0	0	21	0	49	70	70	230	
17:00-18:00	0	33	3	36	9	59	0	68	104	0	0	0	0	17	0	36	53	53	157	
8.0 HR TOTAL	0	269	69	338	58	740	0	798	1136	1	22	0	23	142	0	373	515	538	1674	

Heavy Vehicles are vehicles having one rear axle with four or more wheels, or having two or more rear axles. These vehicles include most O.C. Transpo, school and inter-city buses. Further, they ARE included in the Turning Movement Count Summary.

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 10 July 2008

Conditions: dry

Start Time: 0700

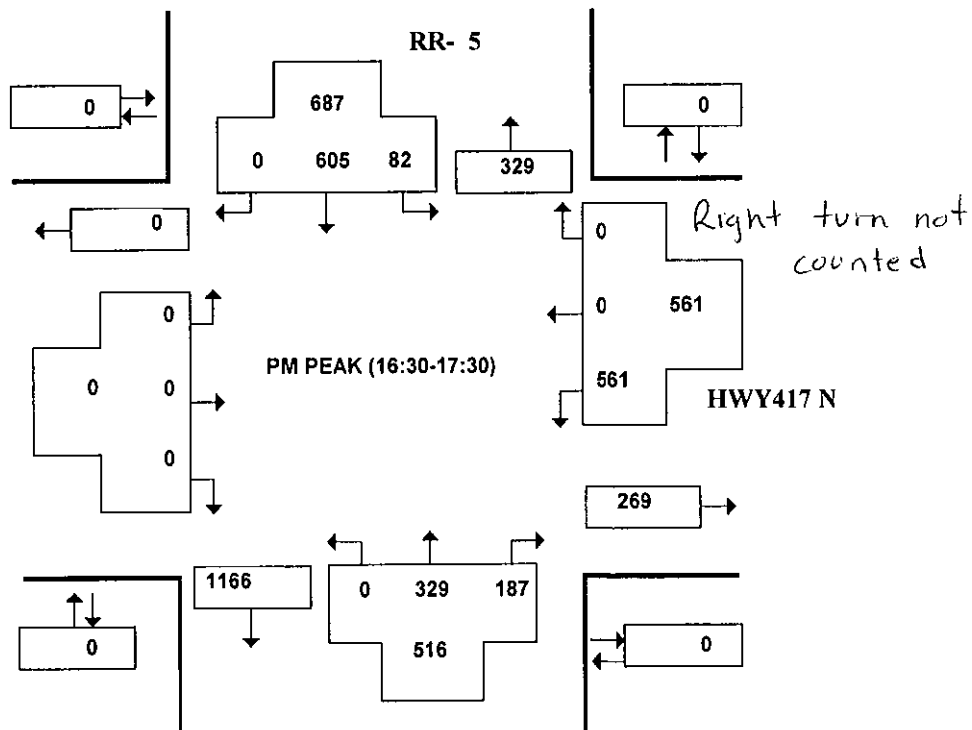
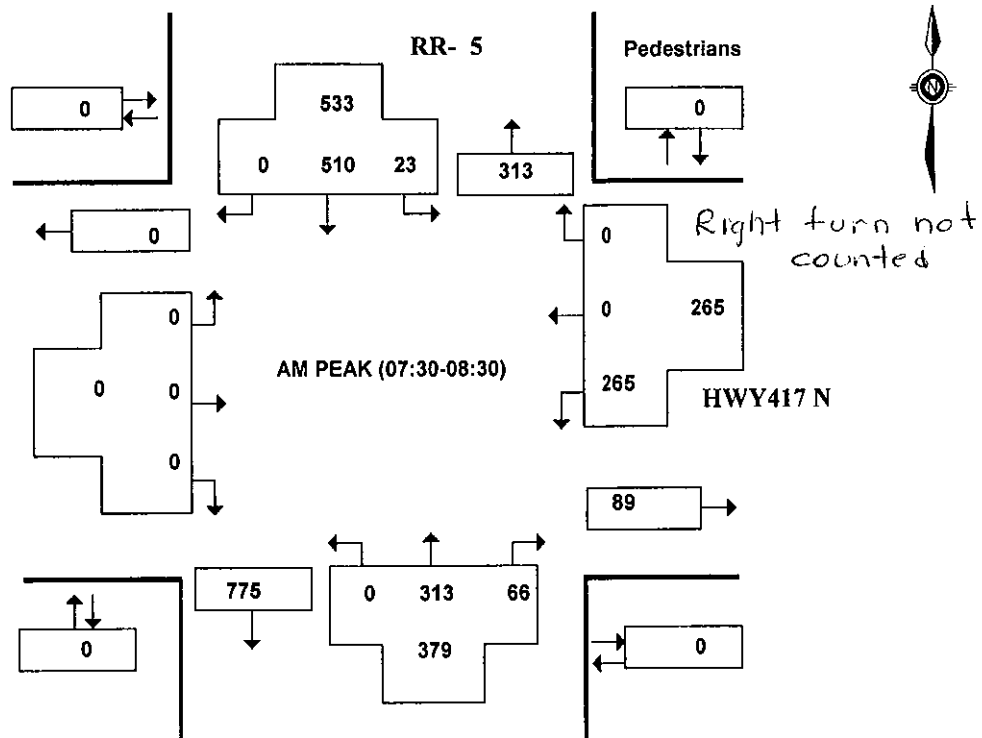
Total Observed U-Turns

Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 0

AADT Factor

Thursday in July is

9



Vehicular Turning Movements - Summary

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 10 July 2008

Conditions: dry

Start Time: 0700

Total Observed U-Turns

Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 0

AADT Factor

Thursday in July is
9

	RR- 5										HWY417 N										Right turn not counted		
	Northbound			SUB	Southbound			SUB	STR		Eastbound			SUB	Westbound			SUB	STR	GRAND			
Time Period	LT	ST	RT	TOT	LT	ST	RT	TOT	TOT	LT	ST	RT	TOT	TOT	LT	ST	RT	TOT	TOT	TOT			
07:00-08:00	0	287	62	349	21	448	0	469	818	0	0	0	0	245	0	0	245	245	1063				
08:00-09:00	0	302	48	350	19	496	0	515	865	0	0	0	0	295	0	0	295	295	1160				
09:00-10:00	0	194	54	248	24	446	0	470	718	0	0	0	0	237	0	0	237	237	955				
11:30-12:30	0	224	60	284	17	419	0	436	720	0	0	0	0	340	0	0	340	340	1060				
12:30-13:30	0	202	75	277	21	428	0	449	726	0	0	0	0	297	0	0	297	297	1023				
15:00-16:00	0	251	114	365	25	458	0	483	848	0	0	0	0	463	0	0	463	463	1311				
16:00-17:00	0	311	159	470	69	538	0	607	1077	0	0	0	0	556	0	0	556	556	1633				
17:00-18:00	0	306	189	495	70	594	0	664	1159	0	0	0	0	547	0	0	547	547	1706				
8.0 HR TOTAL	0	2077	761	2838	266	3827	0	4093	6931	0	0	0	0	2980	0	0	2980	2980	9911				

Right turn not counted

EQU. 12 HR TOTAL 0 2887 1057 3944 369 5319 0 5688 9632 0 0 0 0 4142 0 0 4142 4142 13774

Note: These values are calculated by multiplying the totals by the appropriate expansion factor.

AVG. 12 HR TOTAL 0 2598 951 3549 332 4787 0 5119 8668 0 0 0 0 3727 0 0 3727 3727 12395

Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.

AVG. 24 HR TOTAL 0 3403 1245 4648 434 6270 0 6704 11352 0 0 0 0 4882 0 0 4882 4882 16234

Note: These volumes were calculated by multiplying the Average Daily 12 hr totals by 1.31.

AM TOTAL (0700-0900) 0 589 110 699 40 944 0 984 1683 0 0 0 0 540 0 0 540 540 2223

PM TOTAL (1530-1730) 0 608 340 948 124 1087 0 1211 2159 0 0 0 0 1076 0 0 1076 1076 3235

Vehicular Turning Movements (15 Min. Volumes)

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 10 July 2008

Conditions: dry

Start Time: 07:00

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 0

AADT Factor

Thursday in July is

9

Time Period	RR- 5									HWY417 N									Grand Total		
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT		
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT					
07:00-07:15	0	76	5	81	3	117	0	120	201	0	0	0	0	71	0	0	71	71	272		
07:15-07:30	0	60	15	75	3	96	0	99	174	0	0	0	0	54	0	0	54	54	228		
07:30-07:45	0	64	20	84	10	120	0	130	214	0	0	0	0	57	0	0	57	57	271		
07:45-08:00	0	87	22	109	5	115	0	120	229	0	0	0	0	63	0	0	63	63	292		
08:00-08:15	0	87	12	99	5	127	0	132	231	0	0	0	0	89	0	0	89	89	320		
08:15-08:30	0	75	12	87	3	148	0	151	238	0	0	0	0	56	0	0	56	56	294		
08:30-08:45	0	58	14	72	5	97	0	102	174	0	0	0	0	61	0	0	61	61	235		
08:45-09:00	0	82	10	92	6	124	0	130	222	0	0	0	0	89	0	0	89	89	311		
09:00-09:15	0	65	11	76	3	101	0	104	180	0	0	0	0	70	0	0	70	70	250		
09:15-09:30	0	48	15	63	7	120	0	127	190	0	0	0	0	52	0	0	52	52	242		
09:30-09:45	0	43	16	59	8	125	0	133	192	0	0	0	0	55	0	0	55	55	247		
09:45-10:00	0	38	12	50	6	100	0	106	156	0	0	0	0	60	0	0	60	60	216		
11:30-11:45	0	66	12	78	3	90	0	93	171	0	0	0	0	72	0	0	72	72	243		
11:45-12:00	0	47	18	65	1	96	0	97	162	0	0	0	0	85	0	0	85	85	247		
12:00-12:15	0	52	14	66	6	116	0	122	188	0	0	0	0	101	0	0	101	101	289		
12:15-12:30	0	59	16	75	7	117	0	124	199	0	0	0	0	82	0	0	82	82	281		
12:30-12:45	0	49	17	66	4	109	0	113	179	0	0	0	0	79	0	0	79	79	258		
12:45-13:00	0	50	17	67	6	116	0	122	189	0	0	0	0	70	0	0	70	70	259		
13:00-13:15	0	56	24	80	6	106	0	112	192	0	0	0	0	77	0	0	77	77	269		
13:15-13:30	0	47	17	64	5	97	0	102	166	0	0	0	0	71	0	0	71	71	237		
15:00-15:15	0	38	19	57	6	109	0	115	172	0	0	0	0	105	0	0	105	105	277		
15:15-15:30	0	75	19	94	3	105	0	108	202	0	0	0	0	113	0	0	113	113	315		
15:30-15:45	0	73	29	102	7	114	0	121	223	0	0	0	0	110	0	0	110	110	333		
15:45-16:00	0	65	47	112	9	130	0	139	251	0	0	0	0	135	0	0	135	135	386		
16:00-16:15	0	64	39	103	3	110	0	113	216	0	0	0	0	127	0	0	127	127	343		
16:15-16:30	0	77	38	115	23	128	0	151	266	0	0	0	0	143	0	0	143	143	409		
16:30-16:45	0	94	32	126	20	133	0	153	279	0	0	0	0	143	0	0	143	143	422		
16:45-17:00	0	76	50	126	23	167	0	190	316	0	0	0	0	143	0	0	143	143	459		
17:00-17:15	0	77	55	132	20	160	0	180	312	0	0	0	0	127	0	0	127	127	439		
17:15-17:30	0	82	50	132	19	145	0	164	296	0	0	0	0	148	0	0	148	148	444		
17:30-17:45	0	75	46	121	17	132	0	149	270	0	0	0	0	138	0	0	138	138	408		
17:45-18:00	0	72	38	110	14	157	0	171	281	0	0	0	0	134	0	0	134	134	415		

Right turn not counted



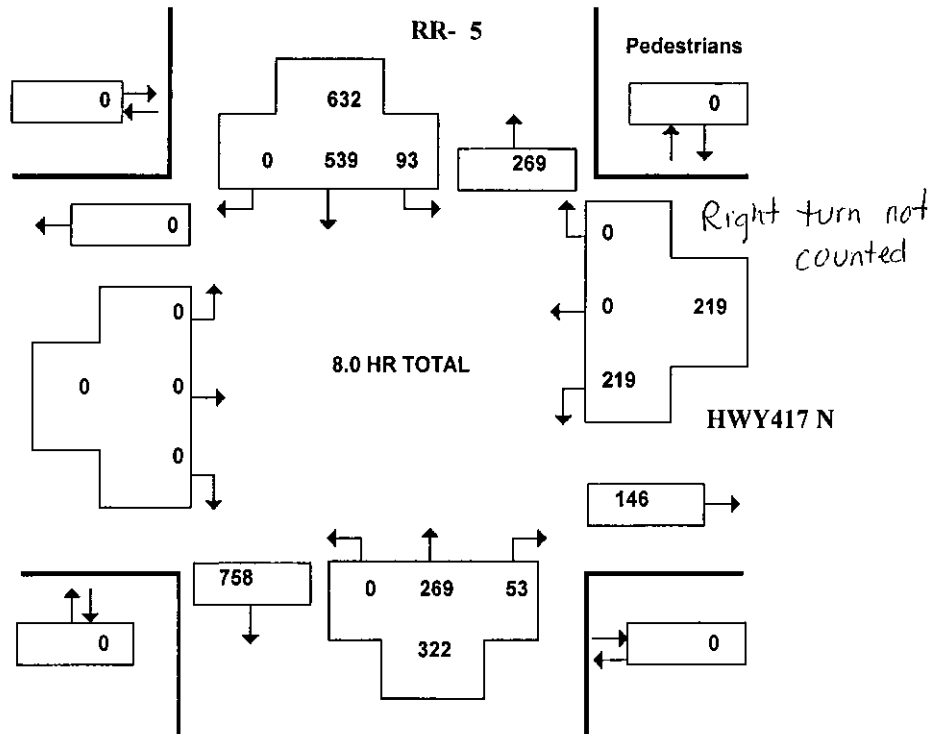
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date : Thursday 10 July 2008

Conditions : dry

Start Time : 0700



Time Period	RR- 5										HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT		Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT
	LT	ST	RT		LT	ST	RT				LT	ST	RT		LT	ST	RT			
07:00-08:00	0	25	7	32	11	68	0	79	111		0	0	0	0	31	0	0	31	31	142
08:00-09:00	0	36	5	41	9	80	0	89	130		0	0	0	0	27	0	0	27	27	157
09:00-10:00	0	21	13	34	12	67	0	79	113		0	0	0	0	30	0	0	30	30	143
11:30-12:30	0	41	1	42	8	86	0	94	136		0	0	0	0	39	0	0	39	39	175
12:30-13:30	0	29	16	45	11	63	0	74	119		0	0	0	0	21	0	0	21	21	140
15:00-16:00	0	34	6	40	10	64	0	74	114		0	0	0	0	31	0	0	31	31	145
16:00-17:00	0	44	3	47	15	57	0	72	119		0	0	0	0	21	0	0	21	21	140
17:00-18:00	0	39	2	41	17	54	0	71	112		0	0	0	0	19	0	0	19	19	131
8.0 HR TOTAL	0	269	53	322	93	539	0	632	954		0	0	0	0	219	0	0	219	219	1173

Heavy Vehicles are vehicles having one rear axle with four or more wheels, or having two or more rear axles. These vehicles include most O.C. Transpo, school and inter-city buses. Further, they ARE included in the Turning Movement Count Summary.

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 22 June 2006

Conditions: DRY

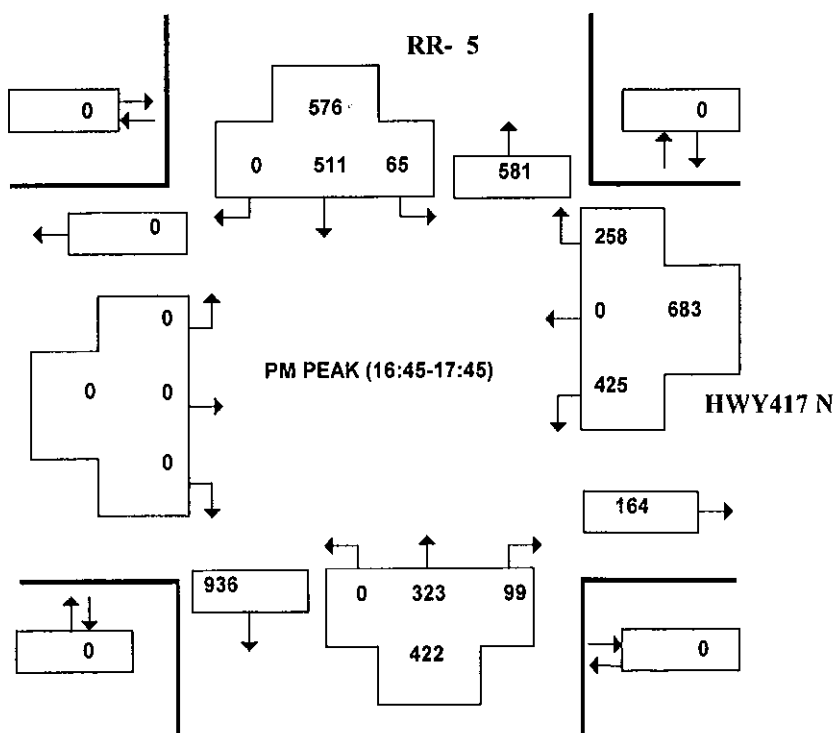
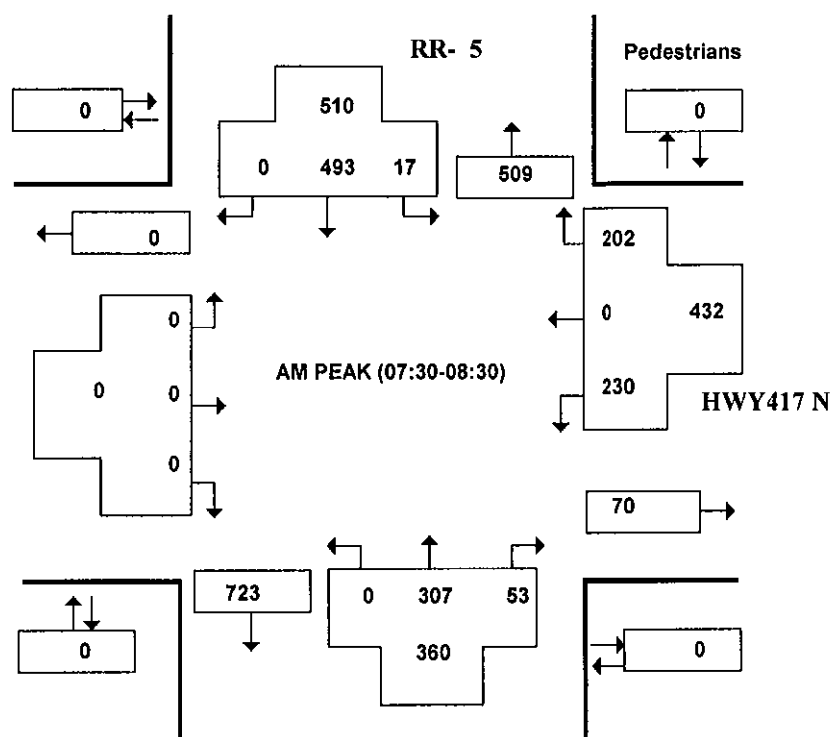
Start Time: 0700

Total Observed U-Turns

Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 2

AADT Factor

Thursday in June is 9



Vehicular Turning Movements - Summary

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 22 June 2006

Conditions: DRY

Start Time: 0700

Total Observed U-Turns

Northbound: 0

Southbound: 0

Eastbound: 0

Westbound: 2

AADT Factor

Thursday in June is

9

Time Period	RR- 5										HWY417 N										GRAND TOT
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT			
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT					
07:00-08:00	0	276	46	322	19	457	0	476	798	0	0	0	0	214	0	224	438	438	1236		
08:00-09:00	0	260	52	312	18	470	0	488	800	0	0	0	0	177	0	171	348	348	1148		
09:00-10:00	0	196	24	220	21	415	0	436	656	0	0	0	0	122	0	169	291	291	947		
11:30-12:30	0	221	37	258	23	364	0	387	645	0	0	0	0	178	0	165	343	343	988		
12:30-13:30	0	224	29	253	17	400	0	417	670	0	0	0	0	210	0	168	378	378	1048		
15:00-16:00	0	265	69	334	14	300	0	314	648	0	0	0	0	259	0	246	505	505	1153		
16:00-17:00	0	304	88	392	62	499	0	561	953	0	0	0	0	323	0	279	602	602	1555		
17:00-18:00	0	285	97	382	54	480	0	534	916	0	0	0	0	395	0	245	640	640	1556		
8.0 HR TOTAL	0	2031	442	2473	228	3385	0	3613	6086	0	0	0	0	1878	0	1667	3545	3545	9631		

EQU. 12 HR TOTAL 0 2823 614 3437 316 4705 0 5021 8458 0 0 0 0 2610 0 2317 4927 4927 13385

Note: These values are calculated by multiplying the totals by the appropriate expansion factor.

AVG. 12 HR TOTAL 0 2540 552 3092 284 4234 0 4518 7610 0 0 0 0 2349 0 2085 4434 4434 12044

Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.

AVG. 24 HR TOTAL 0 3327 723 4050 372 5546 0 5918 9968 0 0 0 0 3077 0 2731 5808 5808 15776

Note: These volumes were calculated by multiplying the Average Daily 12 hr totals by 1.31.

AM TOTAL (0700-0900) 0 536 98 634 37 927 0 964 1598 0 0 0 0 391 0 395 786 786 2384

PM TOTAL (1530-1730) 0 636 182 818 103 927 0 1030 1848 0 0 0 0 642 0 569 1211 1211 3059

Vehicular Turning Movements (15 Min. Volumes)

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Thursday 22 June 2006

Conditions: DRY

Start Time: 07:00

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 2

AADT Factor

Thursday in June is

9

Time Period	RR- 5									HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT			
07:00-07:15	0	51	7	58	3	98	0	101	159	0	0	0	0	32	0	56	88	88	247
07:15-07:30	0	66	12	78	5	108	0	113	191	0	0	0	0	57	0	55	112	112	303
07:30-07:45	0	71	14	85	7	112	0	119	204	0	0	0	0	56	0	56	112	112	316
07:45-08:00	0	88	13	101	4	139	0	143	244	0	0	0	0	69	0	57	126	126	370
08:00-08:15	0	64	15	79	4	114	0	118	197	0	0	0	0	58	0	41	99	99	296
08:15-08:30	0	84	11	95	2	128	0	130	225	0	0	0	0	47	0	48	95	95	320
08:30-08:45	0	62	16	78	6	111	0	117	195	0	0	0	0	46	0	38	84	84	279
08:45-09:00	0	50	10	60	6	117	0	123	183	0	0	0	0	26	0	44	70	70	253
09:00-09:15	0	54	10	64	8	98	0	106	170	0	0	0	0	26	0	40	66	66	236
09:15-09:30	0	67	5	72	4	119	0	123	195	0	0	0	0	34	0	39	73	73	268
09:30-09:45	0	41	5	46	7	108	0	115	161	0	0	0	0	29	0	44	73	73	234
09:45-10:00	0	34	4	38	2	90	0	92	130	0	0	0	0	33	0	46	79	79	209
11:30-11:45	0	49	6	55	3	83	0	86	141	0	0	0	0	28	0	36	64	64	205
11:45-12:00	0	58	12	70	8	93	0	101	171	0	0	0	0	39	0	30	69	69	240
12:00-12:15	0	54	7	61	4	112	0	116	177	0	0	0	0	42	0	44	86	86	263
12:15-12:30	0	60	12	72	8	76	0	84	156	0	0	0	0	69	0	55	124	124	280
12:30-12:45	0	53	5	58	4	93	0	97	155	0	0	0	0	52	0	43	95	95	250
12:45-13:00	0	50	8	58	5	95	0	100	158	0	0	0	0	75	0	51	126	126	284
13:00-13:15	0	59	7	66	4	87	0	91	157	0	0	0	0	45	0	39	84	84	241
13:15-13:30	0	62	9	71	4	125	0	129	200	0	0	0	0	38	0	35	73	73	273
15:00-15:15	0	47	14	61	2	43	0	45	106	0	0	0	0	34	0	33	67	67	173
15:15-15:30	0	51	22	73	6	82	0	88	161	0	0	0	0	86	0	60	146	146	307
15:30-15:45	0	69	25	94	6	82	0	88	182	0	0	0	0	88	0	88	176	176	358
15:45-16:00	0	98	8	106	0	93	0	93	199	0	0	0	0	51	0	65	116	116	315
16:00-16:15	0	82	26	108	7	129	0	136	244	0	0	0	0	57	0	79	136	136	380
16:15-16:30	0	83	22	105	4	111	0	115	220	0	0	0	0	73	0	69	142	142	362
16:30-16:45	0	62	19	81	33	119	0	152	233	0	0	0	0	86	0	74	160	160	393
16:45-17:00	0	77	21	98	18	140	0	158	256	0	0	0	0	107	0	57	164	164	420
17:00-17:15	0	84	26	110	12	121	0	133	243	0	0	0	0	80	0	67	147	147	390
17:15-17:30	0	81	35	116	23	132	0	155	271	0	0	0	0	100	0	70	170	170	441
17:30-17:45	0	81	17	98	12	118	0	130	228	0	0	0	0	138	0	64	202	202	430
17:45-18:00	0	39	19	58	7	109	0	116	174	0	0	0	0	77	0	44	121	121	295

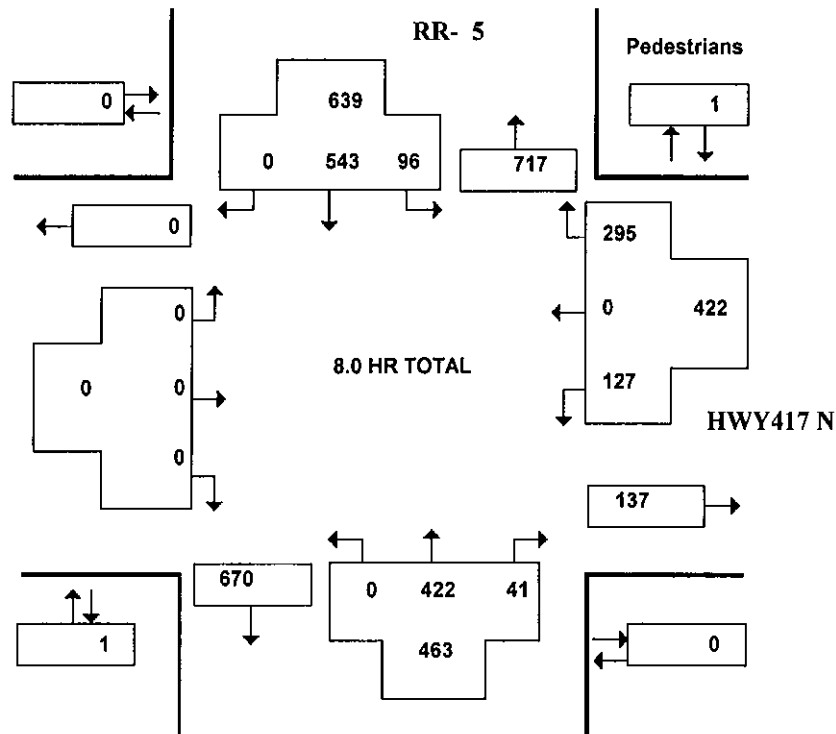
**CARP and HWY 417 N WESTBOUND**

(ULRS Listing RR- 5 & HWY417 N)

Survey Date : Thursday 22 June 2006

Conditions : DRY

Start Time : 0700



Time Period	RR- 5									HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT			
07:00-08:00	0	51	5	56	14	85	0	99	155	0	0	0	0	23	0	39	62	62	217
08:00-09:00	0	42	8	50	15	80	0	95	145	0	0	0	0	17	0	25	42	42	187
09:00-10:00	0	53	4	57	13	80	0	93	150	0	0	0	0	15	0	34	49	49	199
11:30-12:30	0	51	9	60	10	62	0	72	132	0	0	0	0	15	0	42	57	57	189
12:30-13:30	0	57	3	60	11	72	0	83	143	0	0	0	0	14	0	47	61	61	204
15:00-16:00	0	64	1	65	6	58	0	64	129	0	0	0	0	18	0	41	59	59	188
16:00-17:00	0	75	4	79	14	78	0	92	171	0	0	0	0	12	0	45	57	57	228
17:00-18:00	0	29	7	36	13	28	0	41	77	0	0	0	0	13	0	22	35	35	112
8.0 HR TOTAL	0	422	41	463	96	543	0	639	1102	0	0	0	0	127	0	295	422	422	1524

Heavy Vehicles are vehicles having one rear axle with four or more wheels, or having two or more rear axles. These vehicles include most O.C. Transpo, school and inter-city buses. Further, they ARE included in the Turning Movement Count Summary.

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Wednesday 13 July 2005

Conditions: DRY

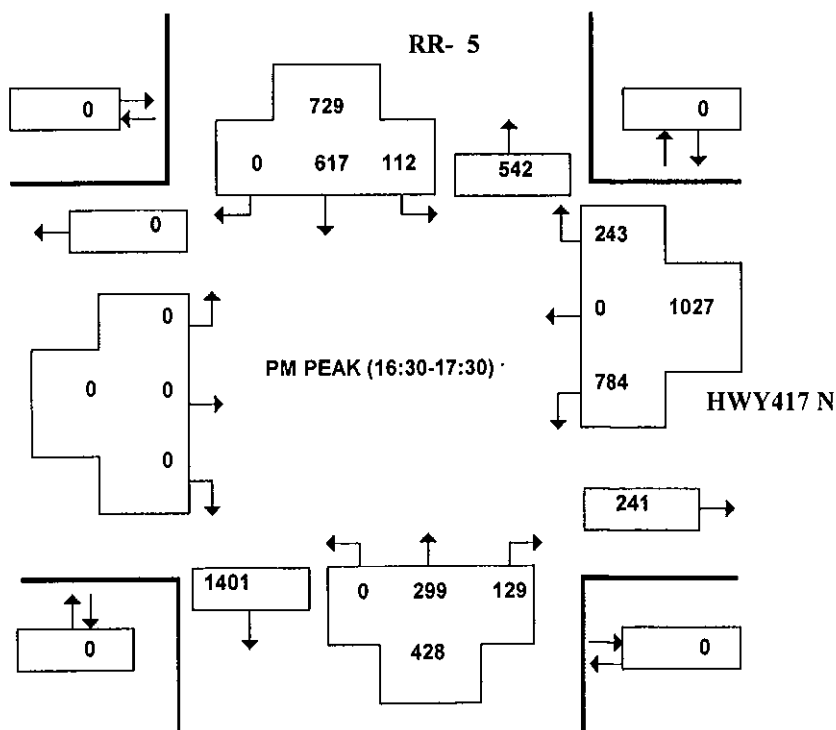
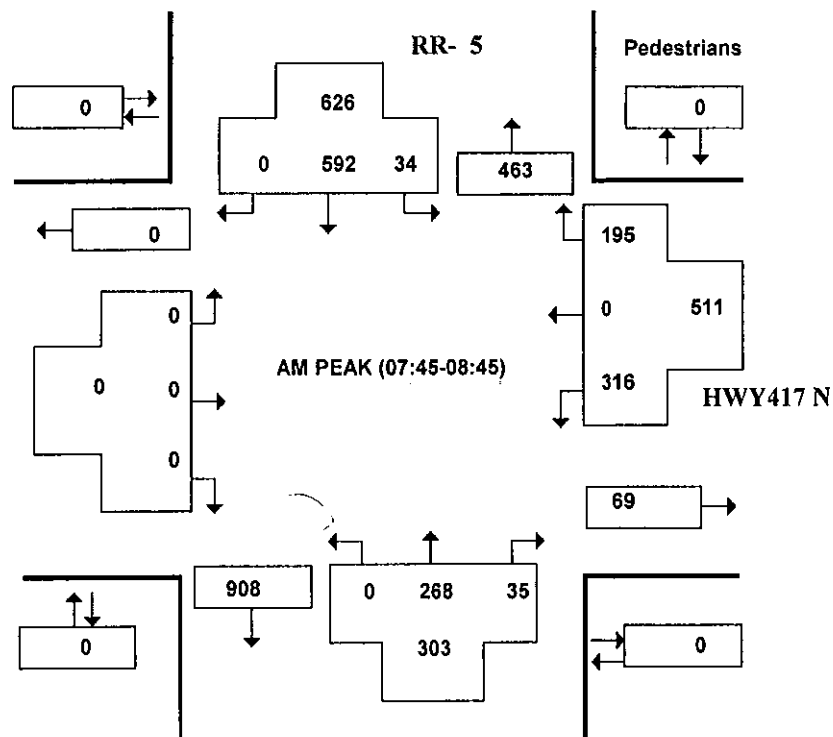
Start Time: 0700

Total Observed U-Turns

Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 0

AADT Factor

Wednesday in July is
9



Vehicular Turning Movements - Summary

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Wednesday 13 July 2005

Conditions: DRY

Start Time: 0700

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 0

AADT Factor

Wednesday in July is

9

Time Period	RR- 5										HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT				
07:00-08:00	0	231	39	270	37	544	0	581	851	0	0	0	0	229	0	189	418	418	1269	
08:00-09:00	0	256	33	289	24	543	0	567	856	0	0	0	0	317	0	168	485	485	1341	
09:00-10:00	0	225	34	259	39	418	0	457	716	0	0	0	0	281	0	153	434	434	1150	
11:30-12:30	0	237	37	274	42	425	0	467	741	0	0	0	0	296	0	126	422	422	1163	
12:30-13:30	0	243	26	269	26	449	0	475	744	0	0	0	0	259	0	145	404	404	1148	
15:00-16:00	0	286	74	360	53	466	0	519	879	0	0	0	0	476	0	176	652	652	1531	
16:00-17:00	0	299	99	398	98	656	0	754	1152	0	0	0	0	625	0	210	835	835	1987	
17:00-18:00	0	227	98	325	83	491	0	574	899	0	0	0	0	738	0	208	946	946	1845	
8.0 HR TOTAL	0	2004	440	2444	402	3992	0	4394	6838	0	0	0	0	3221	0	1375	4596	4596	11434	

EQU. 12 HR TOTAL 0 2785 611 3396 558 5548 0 6106 9502 0 0 0 0 4477 0 1911 6388 6388 15890

Note: These values are calculated by multiplying the totals by the appropriate expansion factor.

AVG. 12 HR TOTAL 0 2506 549 3055 502 4993 0 5495 8550 0 0 0 0 4029 0 1719 5748 5748 14298

Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.

AVG. 24 HR TOTAL 0 3282 719 4001 657 6540 0 7197 11198 0 0 0 0 5277 0 2251 7528 7528 18726

Note: These volumes were calculated by multiplying the Average Daily 12 hr totals by 1.31.

AM TOTAL (0700-0900) 0 487 72 559 61 1087 0 1148 1707 0 0 0 0 546 0 357 903 903 2610

PM TOTAL (1530-1730) 0 577 204 781 176 1143 0 1319 2100 0 0 0 0 1317 0 433 1750 1750 3850

Vehicular Turning Movements (15 Min. Volumes)
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Wednesday 13 July 2005

Conditions: DRY

Start Time: 07:00

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 0

AADT Factor

Wednesday in July is

9

Time Period	RR- 5									HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT			
07:00-07:15	0	38	6	44	6	107	0	113	157	0	0	0	0	48	0	33	81	81	238
07:15-07:30	0	59	19	78	8	116	0	124	202	0	0	0	0	62	0	51	113	113	315
07:30-07:45	0	63	7	70	8	159	0	167	237	0	0	0	0	63	0	47	110	110	347
07:45-08:00	0	71	7	78	15	162	0	177	255	0	0	0	0	56	0	58	114	114	369
08:00-08:15	0	55	8	63	8	134	0	142	205	0	0	0	0	70	0	53	123	123	328
08:15-08:30	0	71	8	79	7	162	0	169	248	0	0	0	0	98	0	35	133	133	381
08:30-08:45	0	71	12	83	4	134	0	138	221	0	0	0	0	92	0	49	141	141	362
08:45-09:00	0	59	5	64	5	113	0	118	182	0	0	0	0	57	0	31	88	88	270
09:00-09:15	0	62	15	77	12	104	0	116	193	0	0	0	0	77	0	39	116	116	309
09:15-09:30	0	48	4	52	14	101	0	115	167	0	0	0	0	79	0	38	117	117	284
09:30-09:45	0	38	12	50	5	117	0	122	172	0	0	0	0	77	0	41	118	118	290
09:45-10:00	0	77	3	80	8	96	0	104	184	0	0	0	0	48	0	35	83	83	267
11:30-11:45	0	50	7	57	11	112	0	123	180	0	0	0	0	54	0	30	84	84	264
11:45-12:00	0	63	10	73	13	98	0	111	184	0	0	0	0	90	0	29	119	119	303
12:00-12:15	0	58	8	66	14	118	0	132	198	0	0	0	0	57	0	34	91	91	289
12:15-12:30	0	66	12	78	4	97	0	101	179	0	0	0	0	95	0	33	128	128	307
12:30-12:45	0	62	6	68	6	119	0	125	193	0	0	0	0	72	0	35	107	107	300
12:45-13:00	0	58	1	59	5	117	0	122	181	0	0	0	0	60	0	30	90	90	271
13:00-13:15	0	62	9	71	5	83	0	88	159	0	0	0	0	74	0	40	114	114	273
13:15-13:30	0	61	10	71	10	130	0	140	211	0	0	0	0	53	0	40	93	93	304
15:00-15:15	0	68	15	83	13	130	0	143	226	0	0	0	0	101	0	30	131	131	357
15:15-15:30	0	74	18	92	10	100	0	110	202	0	0	0	0	118	0	50	168	168	370
15:30-15:45	0	60	21	81	20	126	0	146	227	0	0	0	0	120	0	41	161	161	388
15:45-16:00	0	84	20	104	10	110	0	120	224	0	0	0	0	137	0	55	192	192	416
16:00-16:15	0	69	15	84	21	144	0	165	249	0	0	0	0	124	0	32	156	156	405
16:15-16:30	0	65	19	84	13	146	0	159	243	0	0	0	0	152	0	62	214	214	457
16:30-16:45	0	82	38	120	45	191	0	236	356	0	0	0	0	163	0	53	216	216	572
16:45-17:00	0	83	27	110	19	175	0	194	304	0	0	0	0	186	0	63	249	249	553
17:00-17:15	0	79	31	110	16	154	0	170	280	0	0	0	0	208	0	55	263	263	543
17:15-17:30	0	55	33	88	32	97	0	129	217	0	0	0	0	227	0	72	299	299	516
17:30-17:45	0	54	17	71	16	124	0	140	211	0	0	0	0	161	0	50	211	211	422
17:45-18:00	0	39	17	56	19	116	0	135	191	0	0	0	0	142	0	31	173	173	364

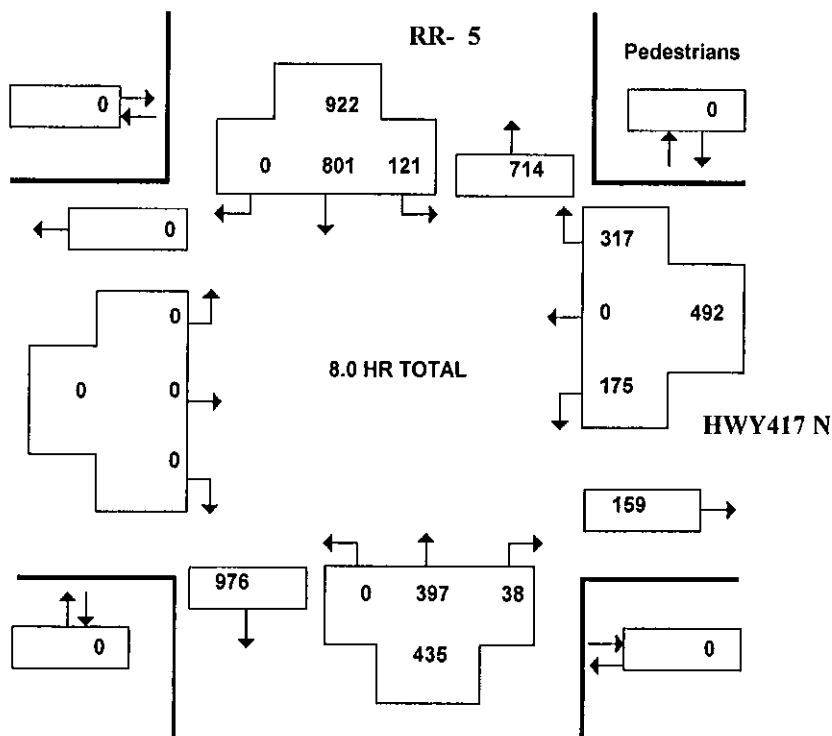
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date : Wednesday 13 July 2005

Conditions : DRY

Start Time : 0700



Time Period	RR- 5										HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT				
07:00-08:00	0	47	4	51	22	130	0	152	203	0	0	0	0	18	0	41	59	59	262	
08:00-09:00	0	51	3	54	16	116	0	132	186	0	0	0	0	20	0	40	60	60	246	
09:00-10:00	0	58	7	65	15	115	0	130	195	0	0	0	0	36	0	43	79	79	274	
11:30-12:30	0	44	3	47	19	90	0	109	156	0	0	0	0	26	0	38	64	64	220	
12:30-13:30	0	41	6	47	14	110	0	124	171	0	0	0	0	19	0	38	57	57	228	
15:00-16:00	0	70	10	80	5	99	0	104	184	0	0	0	0	19	0	48	67	67	251	
16:00-17:00	0	55	2	57	22	93	0	115	172	0	0	0	0	14	0	43	57	57	229	
17:00-18:00	0	31	3	34	8	48	0	56	90	0	0	0	0	23	0	26	49	49	139	
8.0 HR TOTAL	0	397	38	435	121	801	0	922	1357	0	0	0	0	175	0	317	492	492	1849	

Heavy Vehicles are vehicles having one rear axle with four or more wheels, or having two or more rear axles. These vehicles include most O.C. Transpo, school and inter-city buses. Further, they ARE included in the Turning Movement Count Summary.

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Friday 3 August 2001

Conditions: Dry

Start Time: 0700

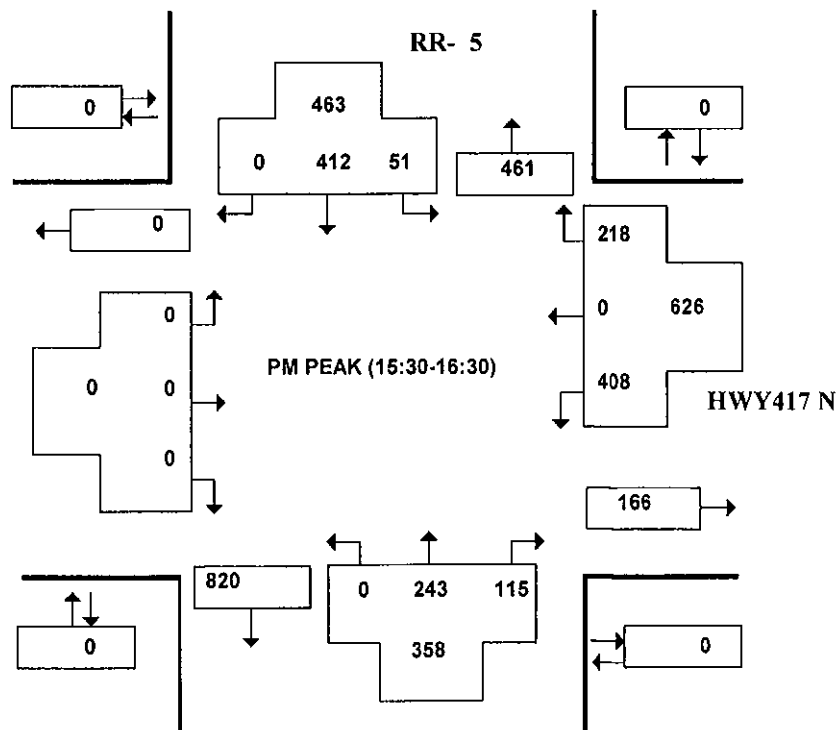
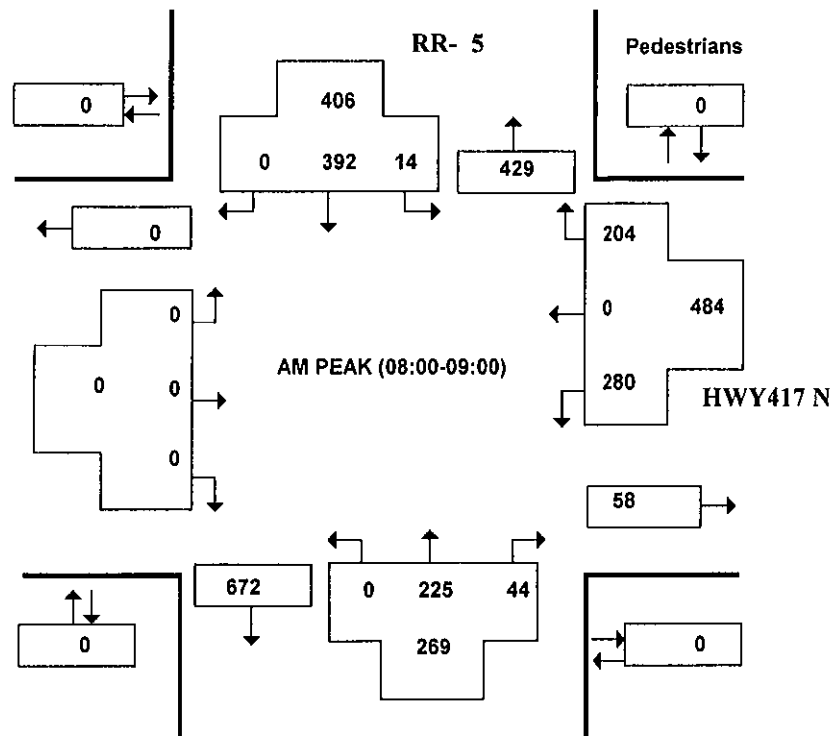
Total Observed U-Turns

Northbound: 0 Southbound: 0
Eastbound: 0 Westbound: 0

AADT Factor

Friday in August is

9



Vehicular Turning Movements - Summary

CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Friday 3 August 2001

Conditions: Dry

Start Time: 0700

Total Observed U-Turns

Northbound: 0

Southbound: 0

Eastbound: 0

Westbound: 0

AADT Factor

Friday in August is

9

Time Period	RR- 5										HWY417 N									
	Northbound			SUB TOT	Southbound			SUB TOT	STR TOT	Eastbound			SUB TOT	Westbound			SUB TOT	STR TOT	GRAND TOT	
	LT	ST	RT		LT	ST	RT			LT	ST	RT		LT	ST	RT				
07:00-08:00	0	216	32	248	14	375	0	389	637	0	0	0	0	208	0	198	406	406	1043	
08:00-09:00	0	225	44	269	14	392	0	406	675	0	0	0	0	280	0	204	484	484	1159	
09:00-10:00	0	168	63	231	20	349	0	369	600	0	0	0	0	231	0	154	385	385	985	
11:30-12:30	0	223	74	297	28	426	0	454	751	0	0	0	0	321	0	185	506	506	1257	
12:30-13:30	0	231	76	307	29	388	0	417	724	0	0	0	0	325	0	210	535	535	1259	
15:00-16:00	0	231	108	339	48	419	0	467	806	0	0	0	0	359	0	210	569	569	1375	
16:00-17:00	0	218	134	352	32	349	0	381	733	0	0	0	0	407	0	208	615	615	1348	
17:00-18:00	0	156	121	277	35	328	0	363	640	0	0	0	0	367	0	220	587	587	1227	
8.0 HR TOTAL	0	1668	652	2320	220	3026	0	3246	5566	0	0	0	0	2498	0	1589	4087	4087	9653	

EQU. 12 HR TOTAL 0 2318 906 3224 305 4206 0 4511 7735 0 0 0 0 3472 0 2208 5680 5680 13415

Note: These values are calculated by multiplying the totals by the appropriate expansion factor.

AVG. 12 HR TOTAL 0 2086 815 2901 274 3785 0 4059 6960 0 0 0 0 3124 0 1987 5111 5111 12071

Note: These volumes are calculated by multiplying the Equivalent 12 hr. totals by the AADT factor.

AVG. 24 HR TOTAL 0 2732 1067 3799 358 4958 0 5316 9115 0 0 0 0 4092 0 2602 6694 6694 15809

Note: These volumes were calculated by multiplying the Average Daily 12 hr totals by 1.31.

AM TOTAL (0700-0900) 0 441 76 517 28 767 0 795 1312 0 0 0 0 488 0 402 890 890 2202

PM TOTAL (1530-1730) 0 429 256 685 86 760 0 846 1531 0 0 0 0 796 0 448 1244 1244 2775

Vehicular Turning Movements (15 Min. Volumes)
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date: Friday 3 August 2001

Conditions: Dry

Start Time: 07:00

Total Observed U-Turns

Northbound: 0 Southbound: 0

Eastbound: 0 Westbound: 0

AADT Factor

Friday in August is
9

Time Period	RR- 5									HWY417 N										
	Northbound				Southbound				STR TOT	Eastbound				Westbound				SUB TOT	STR TOT	GRAND TOT
	LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT		LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT			
07:00-07:15	0	53	4	57	1	91	0	92	149	0	0	0	0	49	0	47	96	96	245	
07:15-07:30	0	37	13	50	4	85	0	89	139	0	0	0	0	43	0	58	101	101	240	
07:30-07:45	0	55	11	66	5	97	0	102	168	0	0	0	0	53	0	45	98	98	266	
07:45-08:00	0	71	4	75	4	102	0	106	181	0	0	0	0	63	0	48	111	111	292	
08:00-08:15	0	61	10	71	2	90	0	92	163	0	0	0	0	63	0	49	112	112	275	
08:15-08:30	0	50	11	61	2	110	0	112	173	0	0	0	0	67	0	59	126	126	299	
08:30-08:45	0	54	8	62	0	87	0	87	149	0	0	0	0	74	0	52	126	126	275	
08:45-09:00	0	60	15	75	10	105	0	115	190	0	0	0	0	76	0	44	120	120	310	
09:00-09:15	0	41	25	66	7	82	0	89	155	0	0	0	0	64	0	30	94	94	249	
09:15-09:30	0	41	14	55	5	76	0	81	136	0	0	0	0	47	0	35	82	82	218	
09:30-09:45	0	46	8	54	1	89	0	90	144	0	0	0	0	64	0	42	106	106	250	
09:45-10:00	0	40	16	56	7	102	0	109	165	0	0	0	0	56	0	47	103	103	268	
11:30-11:45	0	50	10	60	6	97	0	103	163	0	0	0	0	70	0	46	116	116	279	
11:45-12:00	0	49	26	75	5	111	0	116	191	0	0	0	0	83	0	55	138	138	329	
12:00-12:15	0	63	14	77	13	113	0	126	203	0	0	0	0	86	0	45	131	131	334	
12:15-12:30	0	61	24	85	4	105	0	109	194	0	0	0	0	82	0	39	121	121	315	
12:30-12:45	0	59	14	73	9	92	0	101	174	0	0	0	0	77	0	47	124	124	298	
12:45-13:00	0	55	21	76	8	95	0	103	179	0	0	0	0	104	0	55	159	159	338	
13:00-13:15	0	58	20	78	4	112	0	116	194	0	0	0	0	70	0	56	126	126	320	
13:15-13:30	0	59	21	80	8	89	0	97	177	0	0	0	0	74	0	52	126	126	303	
15:00-15:15	0	54	27	81	10	93	0	103	184	0	0	0	0	74	0	46	120	120	304	
15:15-15:30	0	56	22	78	9	107	0	116	194	0	0	0	0	85	0	53	138	138	332	
15:30-15:45	0	66	31	97	17	131	0	148	245	0	0	0	0	101	0	68	169	169	414	
15:45-16:00	0	55	28	83	12	88	0	100	183	0	0	0	0	99	0	43	142	142	325	
16:00-16:15	0	63	28	91	15	92	0	107	198	0	0	0	0	107	0	57	164	164	362	
16:15-16:30	0	59	28	87	7	101	0	108	195	0	0	0	0	101	0	50	151	151	346	
16:30-16:45	0	49	37	86	6	84	0	90	176	0	0	0	0	92	0	56	148	148	324	
16:45-17:00	0	47	41	88	4	72	0	76	164	0	0	0	0	107	0	45	152	152	316	
17:00-17:15	0	38	40	78	10	100	0	110	188	0	0	0	0	96	0	60	156	156	344	
17:15-17:30	0	52	23	75	15	92	0	107	182	0	0	0	0	93	0	69	162	162	344	
17:30-17:45	0	34	30	64	8	71	0	79	143	0	0	0	0	99	0	43	142	142	285	
17:45-18:00	0	32	28	60	2	65	0	67	127	0	0	0	0	79	0	48	127	127	254	

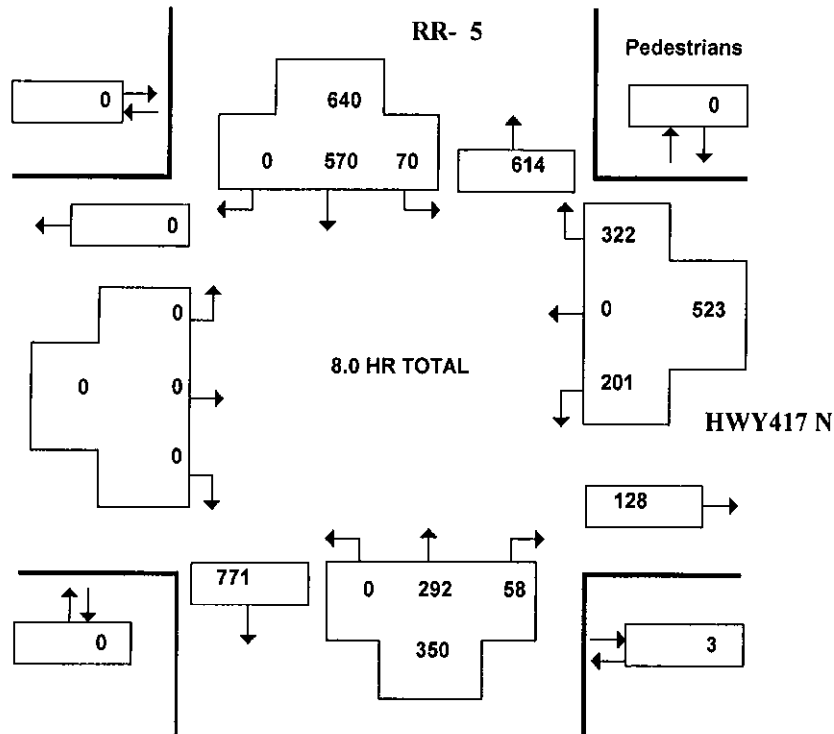
CARP and HWY 417 N WESTBOUND

(ULRS Listing RR- 5 & HWY417 N)

Survey Date : Friday 3 August 2001

Conditions : Dry

Start Time : 0700



	RR- 5										HWY417 N									
	Northbound				Southbound					Eastbound				Westbound						
Time Period	LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT	STR TOT	LT	ST	RT	SUB TOT	LT	ST	RT	SUB TOT	STR TOT	GRAND TOT	
07:00-08:00	0	31	2	33	13	85	0	98	131	0	0	0	0	20	0	31	51	51	182	
08:00-09:00	0	50	7	57	8	79	0	87	144	0	0	0	0	28	0	41	69	69	213	
09:00-10:00	0	44	10	54	11	83	0	94	148	0	0	0	0	35	0	45	80	80	228	
11:30-12:30	0	48	8	56	8	89	0	97	153	0	0	0	0	34	0	47	81	81	234	
12:30-13:30	0	55	7	62	12	97	0	109	171	0	0	0	0	23	0	59	82	82	253	
15:00-16:00	0	34	7	41	10	62	0	72	113	0	0	0	0	24	0	57	81	81	194	
16:00-17:00	0	23	8	31	5	47	0	52	83	0	0	0	0	12	0	22	34	34	117	
17:00-18:00	0	7	9	16	3	28	0	31	47	0	0	0	0	25	0	20	45	45	92	
8.0 HR TOTAL	0	292	58	350	70	570	0	640	990	0	0	0	0	201	0	322	523	523	1513	

Heavy Vehicles are vehicles having one rear axle with four or more wheels, or having two or more rear axles. These vehicles include most O.C. Transpo, school and inter-city buses. Further, they ARE included in the Turning Movement Count Summary.