

Davenport Transportation Consulting
305 W. Fourth St., Suite 2A
Winston-Salem, NC 27101
Phone 336-744-1636
Fax 336-458-9377

Intersection: US 601 (State Street) at US 421 Southbound
Ramps

Count: 11-02095
Yadkin County, Division 11
12-hour traffic volume: 14,709 vehicles

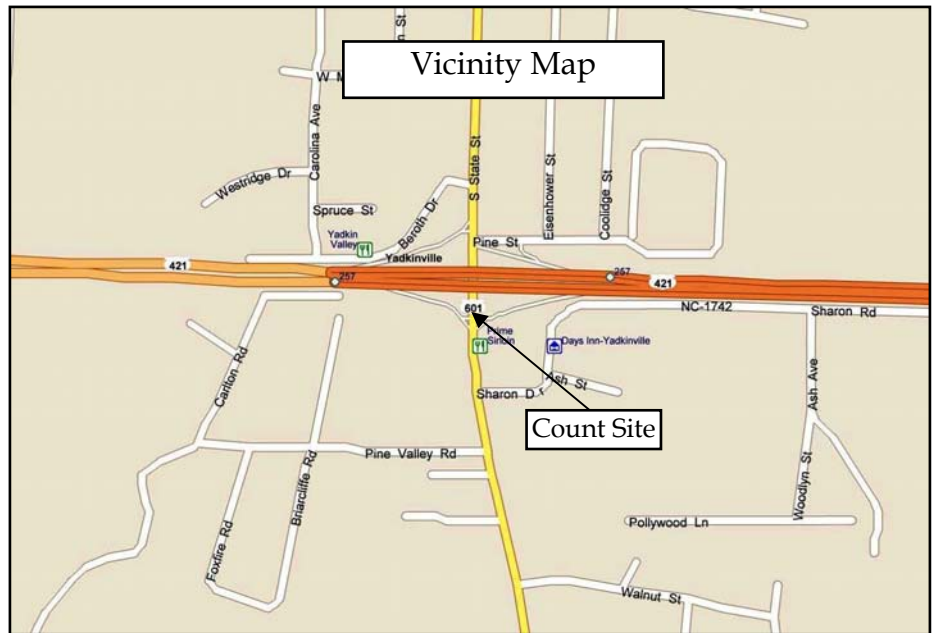
Count times and weather conditions:

4/26/2011 6:00 AM to 7:00 PM

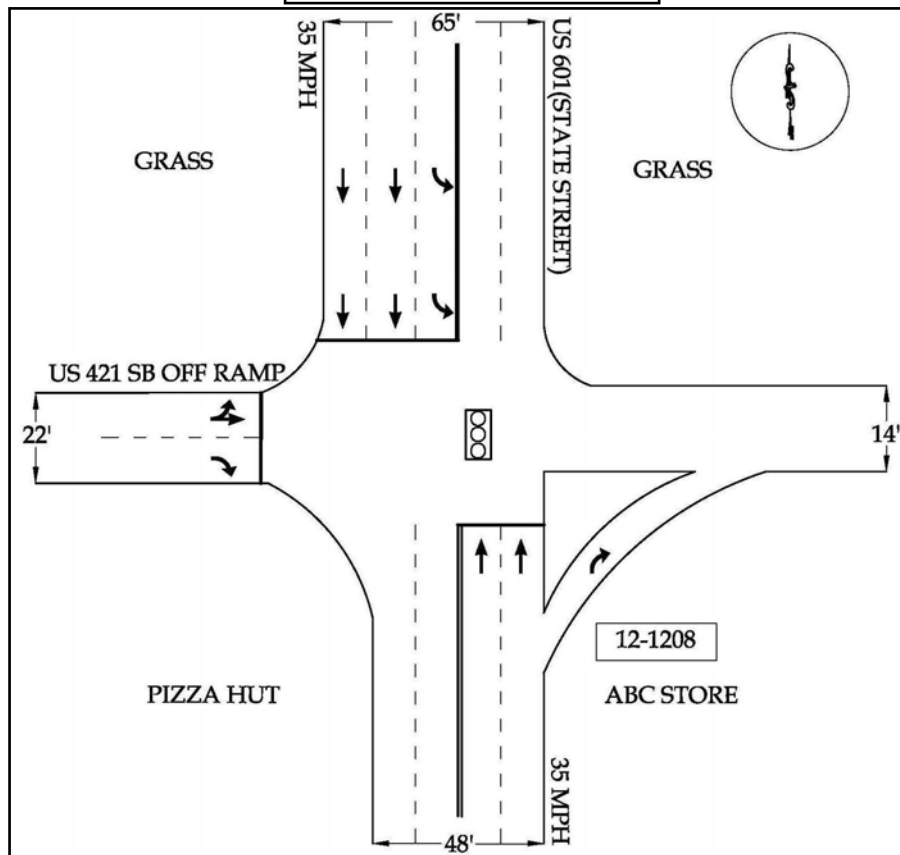
Weather: Clear

Comments:

1. School was in session
2. Counted by: W. Van Parys
3. Data Processor: M. Davenport
4. 3 Phase traffic signal.
Signal Inventory # 11-1208



Intersection Sketch



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305 West 4th Street, Suite 2A
Winston-Salem, NC 27101

Phone: 336-744-1636

Counted By: W. Van Parys

File Name : 11-02095

Site Code : 00001000

Start Date : 4/26/2011

Page No : 1

Weather: Clear

Groups Printed- All Vehicles

Start Time	US 601 (State St) Southbound					US 421 SB On Ramp Westbound					US 601 (State St) Northbound					US 421 SB Off Ramp Eastbound					Exclu. Total	Inclu. Total	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			
06:00 AM	33	24	0	0	57	0	0	0	0	0	0	25	15	0	40	13	1	16	0	30	0	127	127
06:15 AM	45	34	0	0	79	0	0	0	0	0	0	35	14	0	49	22	0	17	0	39	0	167	167
06:30 AM	40	55	0	0	95	0	0	0	0	0	0	48	9	0	57	30	0	14	0	44	0	196	196
06:45 AM	47	57	0	0	104	0	0	0	0	0	0	59	16	0	75	40	0	21	0	61	0	240	240
Total	165	170	0	0	335	0	0	0	0	0	0	167	54	0	221	105	1	68	0	174	0	730	730
07:00 AM	53	54	0	0	107	0	0	0	0	0	0	74	24	0	98	22	0	23	0	45	0	250	250
07:15 AM	70	65	0	0	135	0	0	0	0	0	0	73	25	0	98	38	0	23	0	61	0	294	294
07:30 AM	69	88	0	0	157	0	0	0	0	0	0	78	29	0	107	44	0	36	0	80	0	344	344
07:45 AM	36	89	0	0	125	0	0	0	0	0	0	118	15	0	133	45	0	46	0	91	0	349	349
Total	228	296	0	0	524	0	0	0	0	0	0	343	93	0	436	149	0	128	0	277	0	1237	1237
08:00 AM	52	80	0	0	132	0	0	0	0	0	0	86	23	0	109	42	0	30	0	72	0	313	313
08:15 AM	37	88	0	0	125	0	0	0	0	0	0	94	12	0	106	20	0	20	0	40	0	271	271
08:30 AM	38	81	0	0	119	0	0	0	0	0	0	85	13	0	98	30	0	11	0	41	0	258	258
08:45 AM	21	79	0	1	100	0	0	0	0	0	0	92	12	0	104	24	0	22	0	46	1	250	251
Total	148	328	0	1	476	0	0	0	0	0	0	357	60	0	417	116	0	83	0	199	1	1092	1093
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 AM	27	88	0	0	115	0	0	0	0	0	0	93	16	0	109	20	0	21	0	41	0	265	265
10:15 AM	40	77	0	1	117	0	0	0	0	0	0	73	10	0	83	12	0	21	0	33	1	233	234
10:30 AM	36	89	0	0	125	0	0	0	0	0	0	112	7	0	119	25	0	18	0	43	0	287	287
10:45 AM	19	80	0	1	99	0	0	0	0	0	0	103	8	0	111	23	0	18	0	41	1	251	252
Total	122	334	0	2	456	0	0	0	0	0	0	381	41	0	422	80	0	78	0	158	2	1036	1038
11:00 AM	22	104	0	0	126	0	0	0	0	0	0	103	19	0	122	11	0	22	0	33	0	281	281
11:15 AM	22	108	0	0	130	0	0	0	0	0	0	103	6	0	109	17	0	9	0	26	0	265	265
11:30 AM	30	93	0	0	123	0	0	0	0	0	0	113	12	0	125	22	0	18	0	40	0	288	288
11:45 AM	24	110	0	0	134	0	0	0	1	0	0	106	14	0	120	34	6	19	0	59	1	313	314
Total	98	415	0	0	513	0	0	0	1	0	0	425	51	0	476	84	6	68	0	158	1	1147	1148
12:00 PM	30	130	0	0	160	0	0	0	1	0	0	126	16	0	142	22	0	13	0	35	1	337	338
12:15 PM	22	116	0	0	138	0	0	0	1	0	0	110	11	0	121	20	0	21	0	41	1	300	301
12:30 PM	25	115	0	0	140	0	0	0	0	0	0	133	8	0	141	26	1	26	0	53	0	334	334
12:45 PM	30	108	0	0	138	0	0	0	0	0	0	138	12	0	150	21	0	20	0	41	0	329	329
Total	107	469	0	0	576	0	0	0	2	0	0	507	47	0	554	89	1	80	0	170	2	1300	1302
01:00 PM	31	117	0	0	148	0	0	0	0	0	0	120	13	0	133	25	0	22	0	47	0	328	328
01:15 PM	36	123	0	0	159	0	0	0	0	0	0	129	14	0	143	29	0	17	0	46	0	348	348
01:30 PM	37	122	0	0	159	0	0	0	0	0	0	132	17	0	149	32	0	22	0	54	0	362	362
01:45 PM	30	102	0	0	132	0	0	0	1	0	0	122	16	0	138	43	0	24	0	67	1	337	338
Total	134	464	0	0	598	0	0	0	1	0	0	503	60	0	563	129	0	85	0	214	1	1375	1376
02:00 PM	28	93	0	0	121	0	0	0	0	0	0	116	15	0	131	22	0	19	0	41	0	293	293
02:15 PM	41	116	0	0	157	0	0	0	0	0	0	126	17	0	143	32	0	15	0	47	0	347	347
02:30 PM	31	122	0	0	153	0	0	0	0	0	0	132	13	0	145	27	0	25	0	52	0	350	350
02:45 PM	34	105	0	1	139	0	0	0	0	0	0	111	9	0	120	24	0	25	0	49	1	308	309
Total	134	436	0	1	570	0	0	0	0	0	0	485	54	0	539	105	0	84	0	189	1	1298	1299

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File Name : 11-02095

Site Code : 00001000

Start Date : 4/26/2011

Page No : 2

Weather: Clear

Groups Printed- All Vehicles

Start Time	US 601 (State St) Southbound					US 421 SB On Ramp Westbound					US 601 (State St) Northbound					US 421 SB Off Ramp Eastbound					Exclu. Total	Inclu. Total	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			
03:00 PM	31	110	0	2	141	0	0	0	0	0	0	127	14	0	141	21	0	12	0	33	2	315	317
03:15 PM	23	129	0	2	152	0	0	0	0	0	0	134	14	0	148	21	0	15	0	36	2	336	338
03:30 PM	26	152	0	0	178	0	0	0	0	0	0	142	21	1	163	28	0	19	0	47	1	388	389
03:45 PM	27	130	0	0	157	0	0	0	0	0	0	127	10	0	137	27	0	32	0	59	0	353	353
Total	107	521	0	4	628	0	0	0	0	0	0	530	59	1	589	97	0	78	0	175	5	1392	1397
04:00 PM	36	119	0	0	155	0	0	0	0	0	0	139	10	0	149	20	0	22	0	42	0	346	346
04:15 PM	29	125	0	2	154	0	0	0	2	0	0	129	21	0	150	22	0	12	0	34	4	338	342
04:30 PM	37	128	0	0	165	0	0	0	0	0	0	145	17	2	162	26	0	23	0	49	2	376	378
04:45 PM	34	139	0	1	173	0	0	0	0	0	0	134	16	0	150	17	0	23	0	40	1	363	364
Total	136	511	0	3	647	0	0	0	2	0	0	547	64	2	611	85	0	80	0	165	7	1423	1430
05:00 PM	41	156	0	1	197	0	0	0	0	0	0	193	14	0	207	19	0	22	0	41	1	445	446
05:15 PM	40	141	0	0	181	0	0	0	0	0	0	150	17	0	167	23	0	21	0	44	0	392	392
05:30 PM	34	124	0	0	158	0	0	0	0	0	0	136	19	0	155	31	0	24	0	55	0	368	368
05:45 PM	27	121	0	3	148	0	0	0	0	0	0	153	12	0	165	26	0	16	0	42	3	355	358
Total	142	542	0	4	684	0	0	0	0	0	0	632	62	0	694	99	0	83	0	182	4	1560	1564
06:00 PM	29	104	0	0	133	0	0	0	0	0	0	114	11	0	125	36	0	16	0	52	0	310	310
06:15 PM	25	98	0	0	123	0	0	0	0	0	0	110	12	0	122	28	0	18	0	46	0	291	291
06:30 PM	31	92	0	0	123	0	0	0	0	0	0	98	8	0	106	21	0	17	0	38	0	267	267
06:45 PM	19	85	0	0	104	0	0	0	0	0	0	97	9	0	106	24	0	17	0	41	0	251	251
Total	104	379	0	0	483	0	0	0	0	0	0	419	40	0	459	109	0	68	0	177	0	1119	1119
Grand Total	1625	4865	0	15	6490	0	0	0	6	0	0	5296	685	3	5981	1247	8	983	0	2238	24	14709	14733
Apprch %	25	75	0			0	0	0			0	88.5	11.5			55.7	0.4	43.9					
Total %	11	33.1	0		44.1	0	0	0		0	0	36	4.7	40.7		8.5	0.1	6.7	15.2		0.2	99.8	

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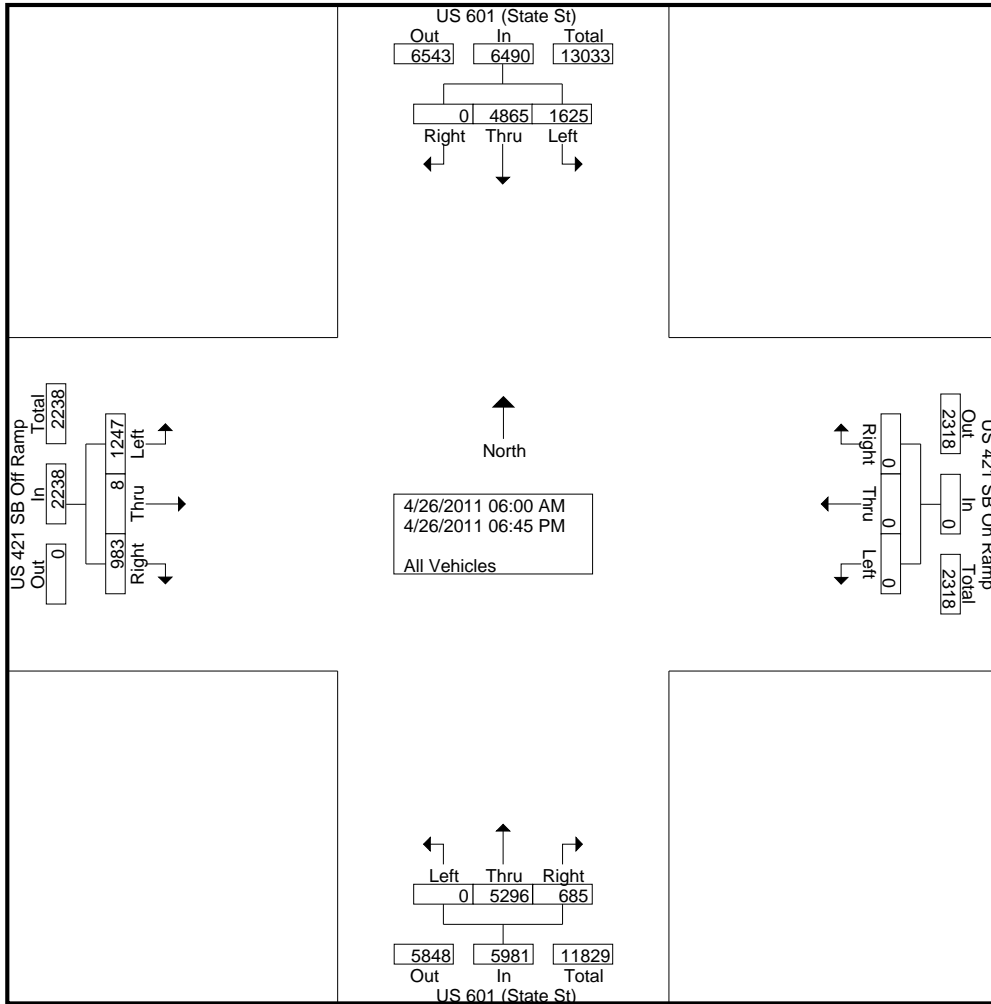
File Name : 11-02095

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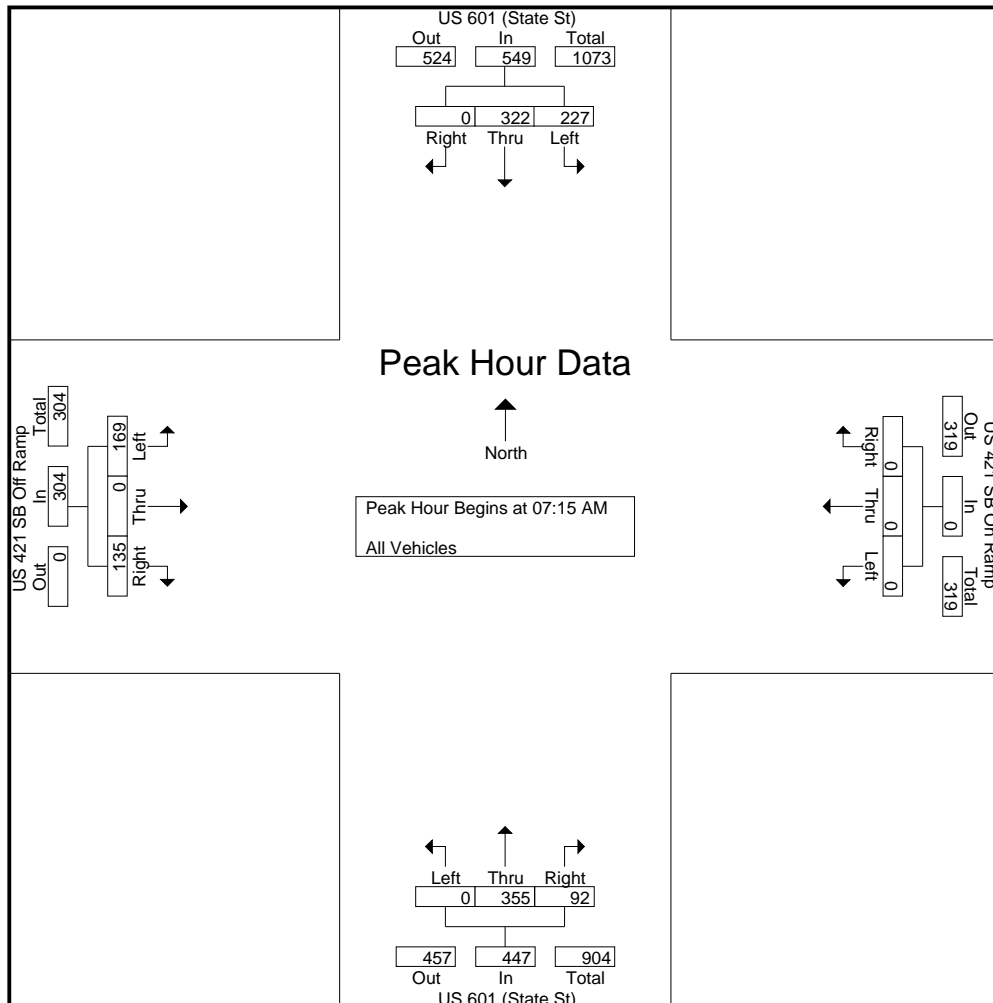
Site Code : 00001000

Start Date : 4/26/2011

Page No : 4

Weather: Clear

Start Time	US 601 (State St) Southbound				US 421 SB On Ramp Westbound				US 601 (State St) Northbound				US 421 SB Off Ramp 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 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:15 AM																	
07:15 AM	70	65	0	135	0	0	0	0	0	73	25	98	38	0	23	61	294
07:30 AM	69	88	0	157	0	0	0	0	0	78	29	107	44	0	36	80	344
07:45 AM	36	89	0	125	0	0	0	0	0	118	15	133	45	0	46	91	349
08:00 AM	52	80	0	132	0	0	0	0	0	86	23	109	42	0	30	72	313
Total Volume	227	322	0	549	0	0	0	0	0	355	92	447	169	0	135	304	1300
% App. Total	41.3	58.7	0		0	0	0		0	79.4	20.6		55.6	0	44.4		
PHF	.811	.904	.000	.874	.000	.000	.000	.000	.000	.752	.793	.840	.939	.000	.734	.835	.931



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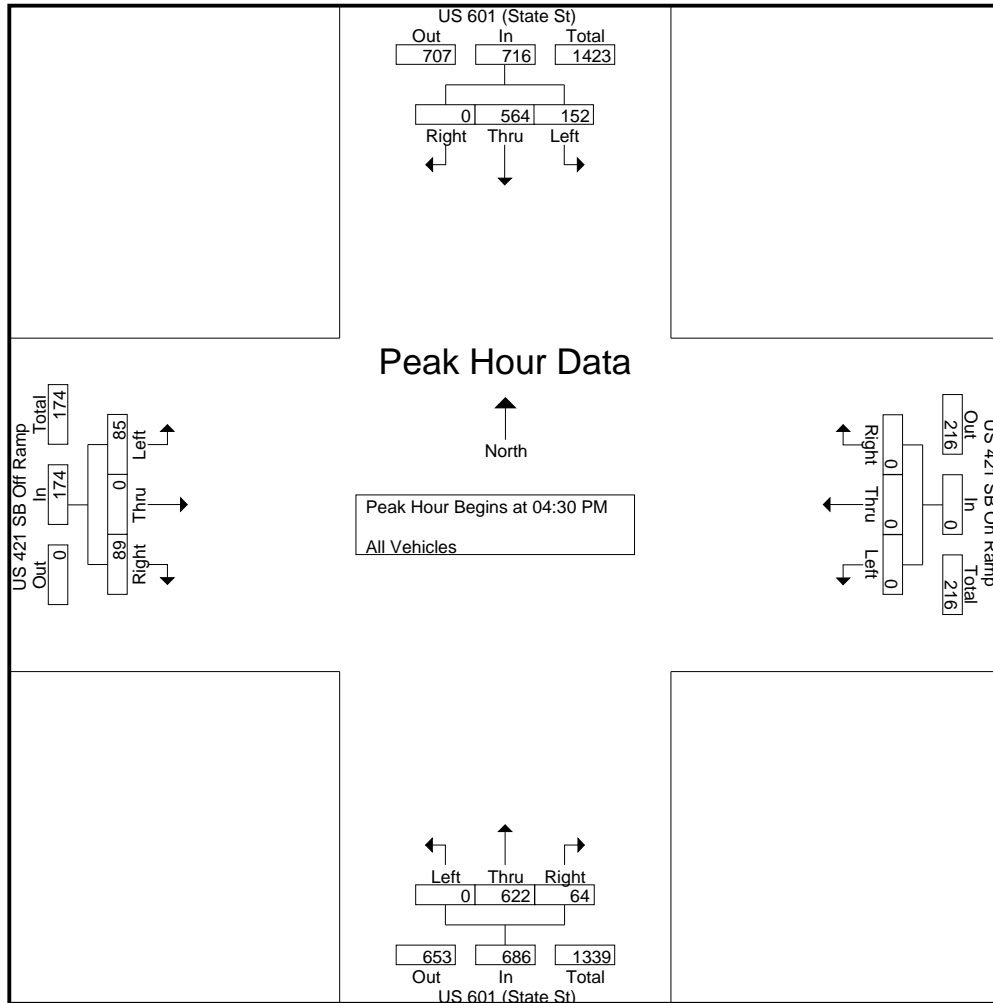
Site Code : 00001000

Start Date : 4/26/2011

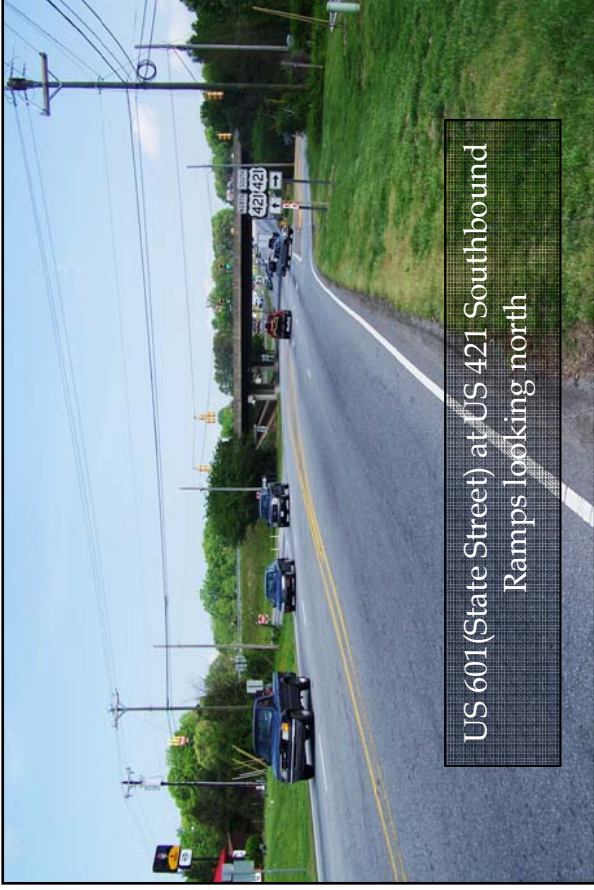
Page No : 5

Weather: Clear

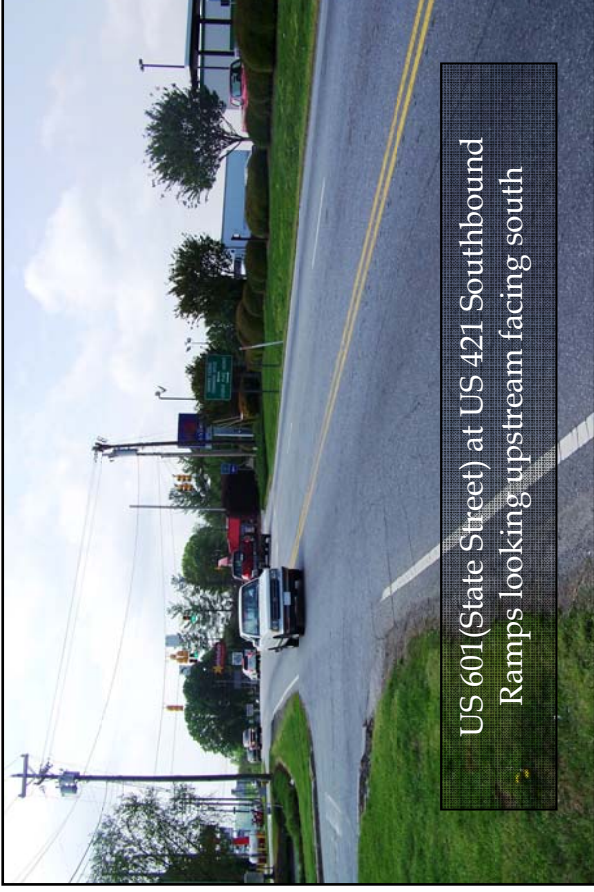
Start Time	US 601 (State St) Southbound				US 421 SB On Ramp Westbound				US 601 (State St) Northbound				US 421 SB Off Ramp Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 12:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	37	128	0	165	0	0	0	0	0	145	17	162	26	0	23	49	376
04:45 PM	34	139	0	173	0	0	0	0	0	134	16	150	17	0	23	40	363
05:00 PM	41	156	0	197	0	0	0	0	0	193	14	207	19	0	22	41	445
05:15 PM	40	141	0	181	0	0	0	0	0	150	17	167	23	0	21	44	392
Total Volume	152	564	0	716	0	0	0	0	0	622	64	686	85	0	89	174	1576
% App. Total	21.2	78.8	0		0	0	0		0	90.7	9.3		48.9	0	51.1		
PHF	.927	.904	.000	.909	.000	.000	.000	.000	.000	.806	.941	.829	.817	.000	.967	.888	.885



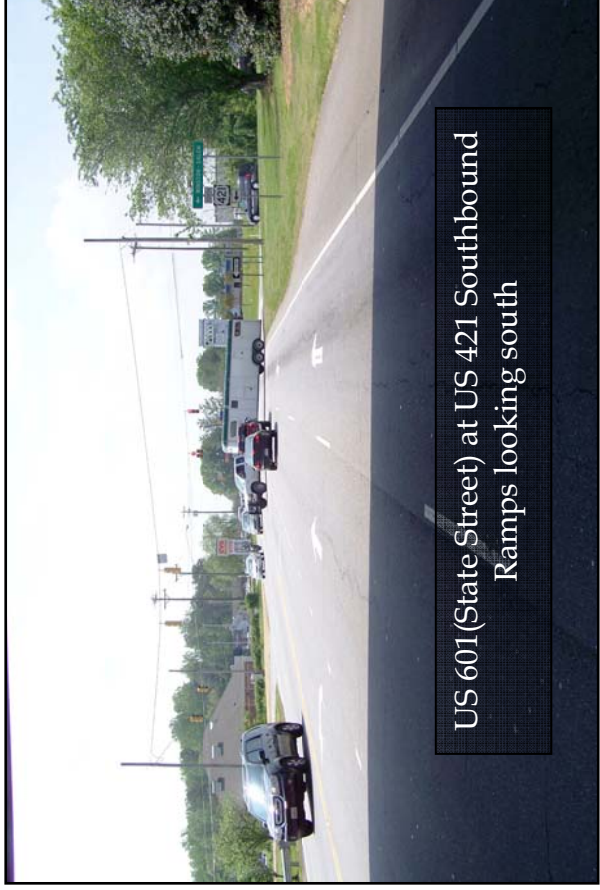
DAVENPORT TRANSPORTATION CONSULTING Project No. 11-02095 NCDOT Count # 11-02095
US 601(State Street) at US 421 Southbound Ramps, Yadkinville, NC



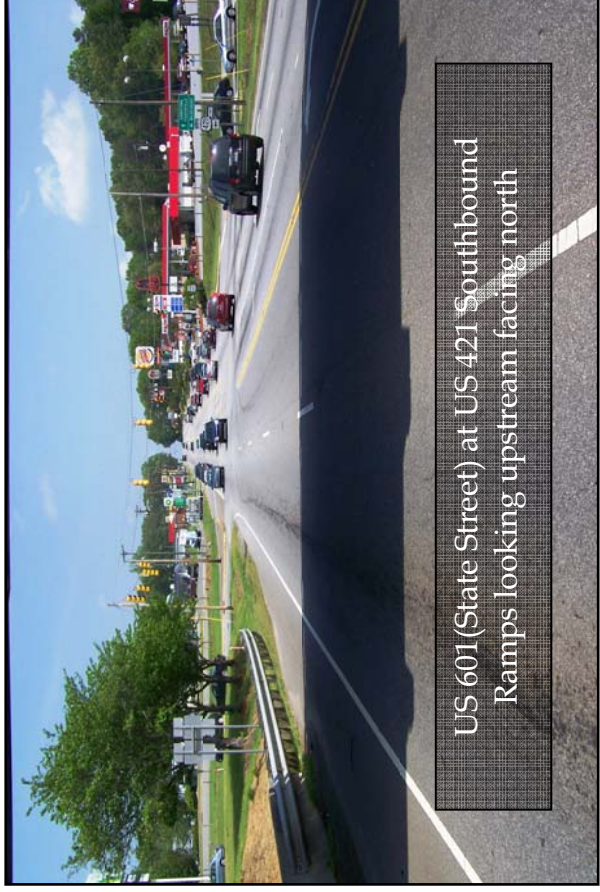
US 601(State Street) at US 421 Southbound
Ramps looking north



US 601(State Street) at US 421 Southbound
Ramps looking upstream facing south

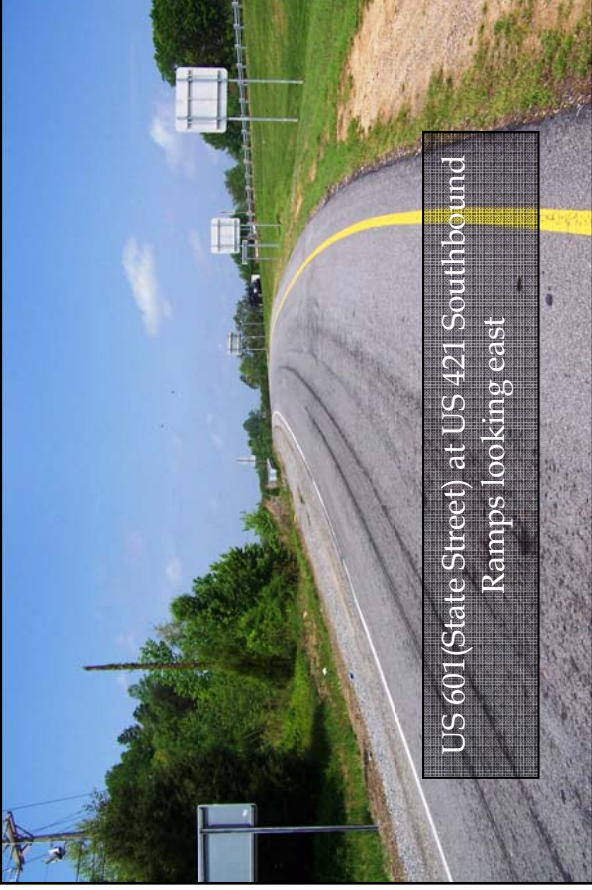


US 601(State Street) at US 421 Southbound
Ramps looking south



US 601(State Street) at US 421 Southbound
Ramps looking upstream facing north

DAVENPORT TRANSPORTATION CONSULTING Project No. 11-02095, NCDOT Count # 11-02095
US 601(State Street) at US 421 Southbound Ramps, Yadkinville, NC



US 601(State Street) at US 421 Southbound
Ramps looking east



US 601(State Street) at US 421 Southbound Off
Ramps looking upstream facing west