Wetherill Engineering Inc.

559 Jones Frankin Road, Suite 164
Raleigh NC 27606

Summerwind Plantation, Glen Road, Johnston County

File Name : GLENNC42AM
Site Code : 00000003
Start Date : 9/11/2014
Page No : 1

Groups Printed- Unshifted - Bank 1

	Glen Road					NC 42					Commerce Dr.					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
07:00 AM	61	2	9	0	72	5	147	24	1	177	3	3	43	0	49	10	292	3	0	305	603
07:15 AM	61	2	12	0	75	9	167	25	0	201	2	6	47	0	55	8	335	6	0	349	680
07:30 AM	60	3	16	0	79	6	178	48	0	232	5	4	54	0	63	11	271	1	0	283	657
07:45 AM	54	0	22	0	76	5	163	54	0	222	2	5	35	0	42	16	297	8	0	321	661
Total	236	7	59	0	302	25	655	151	1	832	12	18	179	0	209	45	1195	18	0	1258	2601
08:00 AM	53	5	17	0	75	12	156	32	0	200	3	2	40	0	45	7	256	4	0	267	587
08:15 AM	44	1	16	0	61	7	156	61	0	224	1	8	39	0	48	13	272	1	0	286	619
08:30 AM	49	3	17	0	69	10	164	62	0	236	3	6	44	0	53	14	303	5	0	322	680
08:45 AM	48	2	19	0	69	10	144	36	0	190	3	3	48	0	54	14	236	1	0	251	564
Total	194	11	69	0	274	39	620	191	0	850	10	19	171	0	200	48	1067	11	0	1126	2450
Grand Total	430	18	128	0	576	64	1275	342	1	1682	22	37	350	0	409	93	2262	29	0	2384	5051
Apprch %	74.7	3.1	22.2	0		3.8	75.8	20.3	0.1		5.4	9	85.6	0		3.9	94.9	1.2	0		
Total %	8.5	0.4	2.5	0	11.4	1.3	25.2	6.8	0	33.3	0.4	0.7	6.9	0	8.1	1.8	44.8	0.6	0	47.2	
Unshifted	430	18	128	0	576	64	1275	342	1	1682	22	37	350	0	409	93	2262	29	0	2384	5051
% Unshifted	100	100	100	0	100	100	100	100	100	100	100	100	100	0	100	100	100	100	0	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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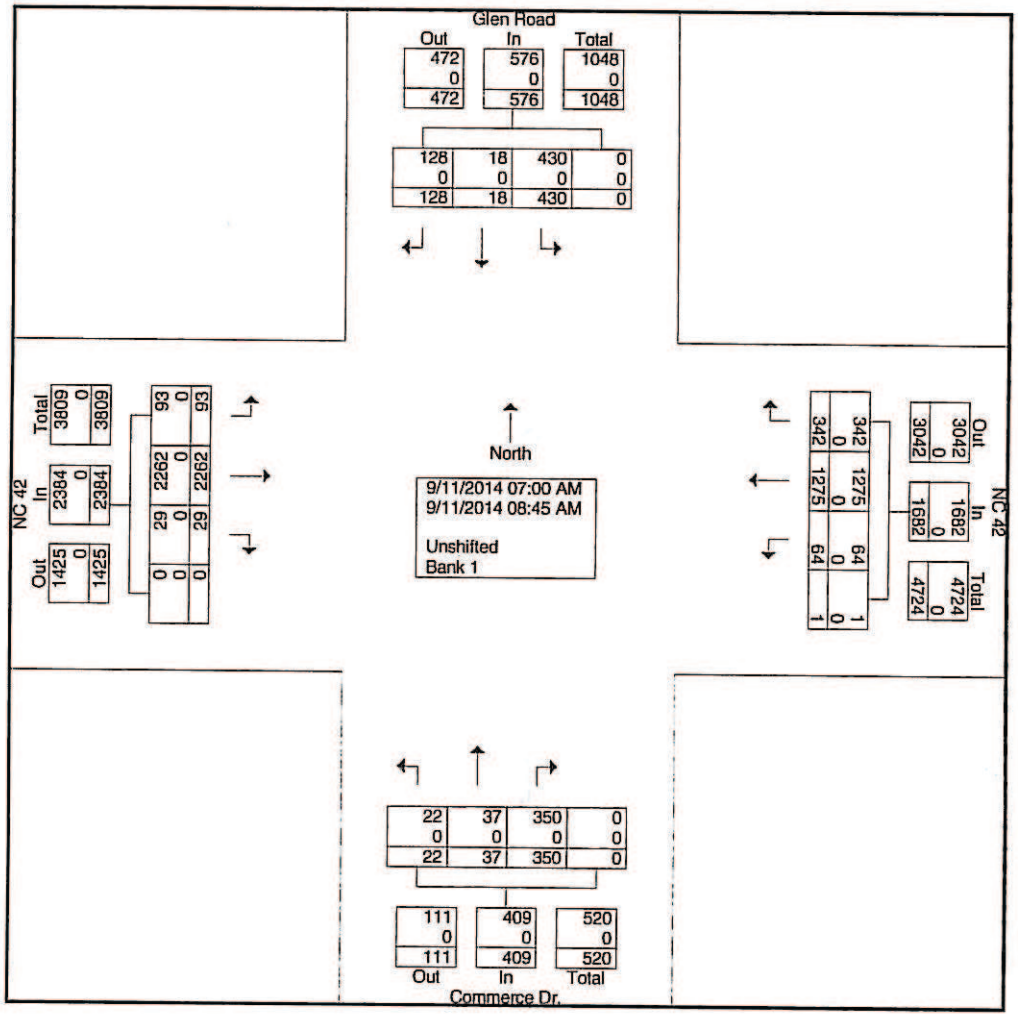

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	Glen Road					NC 42					Commerce Dr.					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	61	2	9	0	72	5	147	24	1	177	3	3	43	0	49	10	292	3	0	305	603
07:15 AM	61	2	12	0	75	9	167	25	0	201	2	6	47	0	55	8	335	6	0	349	680
07:30 AM	60	3	16	0	79	6	178	48	0	232	5	4	54	0	63	11	271	1	0	283	657
07:45 AM	54	0	22	0	76	5	163	54	0	222	2	5	35	0	42	16	297	8	0	321	661
Total Volume	236	7	59	0	302	25	655	151	1	832	12	18	179	0	209	45	1195	18	0	1258	2601
% App. Total	78.1	2.3	19.5	0		3	78.7	18.1	0.1		5.7	8.6	85.6	0		3.6	95	1.4	0		
PHF	.967	.583	.670	.000	.956	.694	.920	.699	.250	.897	.600	.750	.829	.000	.829	.703	.892	.563	.000	.901	.956

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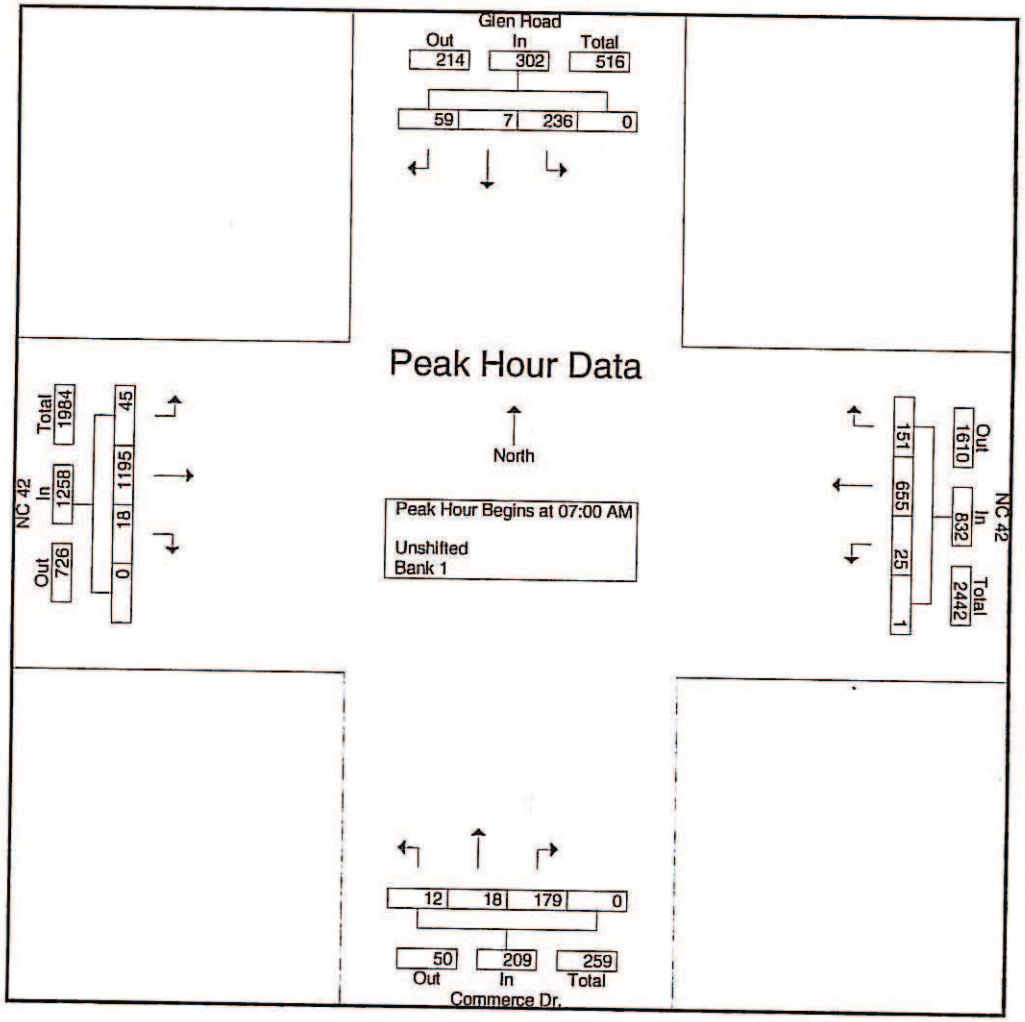

Wetherill Engineering Inc.

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Summerwind Plantation, Glen Road, Johnston County

File Name : GLENNC42PM
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Start Date : 9/11/2014
Page No : 1

Groups Printed- Unshifted - Bank 1

Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
04:00 PM	86	2	29	0	117	14	303	66	0	383	4	3	14	0	21	12	221	3	0	236	757
04:15 PM	68	0	46	0	114	14	353	102	0	469	1	3	23	0	27	11	162	2	0	175	785
04:30 PM	62	2	21	0	85	7	373	89	0	469	0	9	21	0	30	11	209	4	0	224	808
04:45 PM	81	5	37	0	123	20	377	79	2	478	4	3	29	0	36	8	198	2	0	208	845
Total	297	9	133	0	439	55	1406	336	2	1799	9	18	87	0	114	42	790	11	0	843	3195
05:00 PM	79	3	50	0	132	16	389	44	0	449	1	8	28	0	37	6	236	1	0	243	861
05:15 PM	87	5	44	0	136	16	384	69	0	469	2	4	26	0	32	9	219	2	0	230	867
05:30 PM	63	3	36	0	102	14	352	59	1	426	3	1	24	0	28	5	172	5	0	182	738
05:45 PM	4	61	35	0	100	16	311	57	0	384	5	2	21	0	28	4	159	3	0	166	678
Total	233	72	165	0	470	62	1436	229	1	1728	11	15	99	0	125	24	786	11	0	821	3144
Grand Total	530	81	298	0	909	117	2842	565	3	3527	20	33	186	0	239	66	1576	22	0	1664	6339
Apprch %	58.3	8.9	32.8	0		3.3	80.6	16	0.1		8.4	13.8	77.8	0		4	94.7	1.3	0		
Total %	8.4	1.3	4.7	0	14.3	1.8	44.8	8.9	0	55.6	0.3	0.5	2.9	0	3.8	1	24.9	0.3	0	26.3	
Unshifted	530	81	298	0	909	117	2842	565	3	3527	20	33	186	0	239	66	1576	22	0	1664	6339
% Unshifted	100	100	100	0	100	100	100	100	100	100	100	100	100	0	100	100	100	100	0	100	100
Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Bank 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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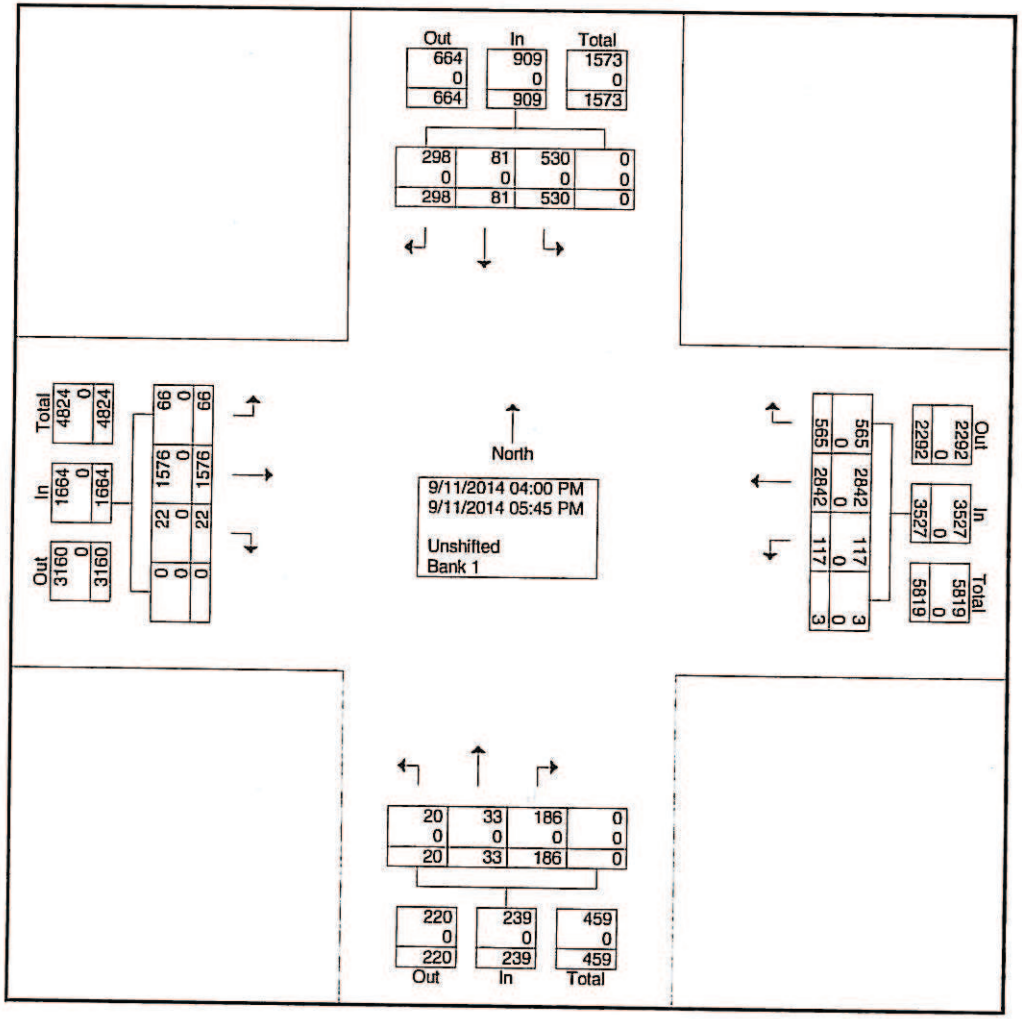

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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Entire Intersection Begins at 04:30 PM

Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
04:30 PM	62	2	21	0	85	7	373	89	0	469	0	9	21	0	30	11	209	4	0	224	808
04:45 PM	81	5	37	0	123	20	377	79	2	478	4	3	29	0	36	8	198	2	0	208	845
05:00 PM	79	3	50	0	132	16	389	44	0	449	1	8	28	0	37	6	236	1	0	243	861
05:15 PM	87	5	44	0	136	16	384	69	0	469	2	4	26	0	32	9	219	2	0	230	867
Total Volume	309	15	152	0	476	59	1523	281	2	1865	7	24	104	0	135	34	862	9	0	905	3381
% App. Total	64.9	3.2	31.9	0		3.2	81.7	15.1	0.1		5.2	17.8	77	0		3.8	95.2	1	0		
PHF	.888	.750	.760	.000	.875	.738	.979	.789	.250	.975	.438	.667	.897	.000	.912	.773	.913	.563	.000	.931	.975

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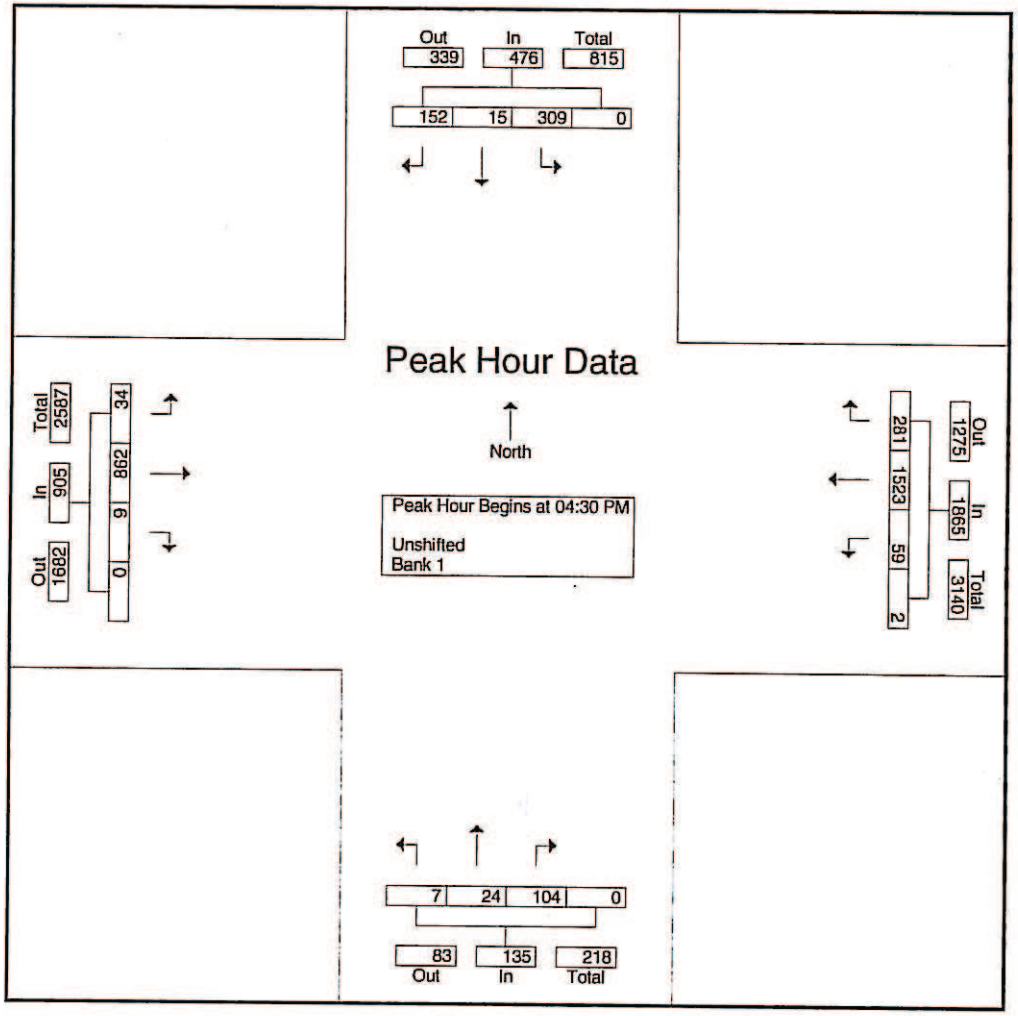

Photo 7: Glen Road approach to NC 42.

Photo 8: NC 42 approach to Glen/Commerce Road looking east.

Photo 9: Commerce Road approach to NC 42.

Photo 10: NC 42 approach to Glen/Commerce Road looking east.