Wetherill Engineering Inc.

559 Jones Frankin Road, Suite 164
Raleigh NC 27606

Portofino Subdivision, Wilders Township, Johnston County

File Name : PORTOFINO WEEK OF 9-22-14 - 1
Site Code : 00000001
Start Date : 9/16/2014
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Groups Printed- Unshifted - Bank 1

	SR 1003 Buffalo Rd					NC 42					SR 1003 Buffalo Rd					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
07:00 AM	11	49	19	0	79	11	76	14	0	101	30	45	5	0	80	19	50	13	0	82	342
07:15 AM	13	56	21	0	90	9	73	8	0	90	32	55	8	0	95	23	49	19	0	91	366
07:30 AM	14	63	25	0	102	8	65	18	0	91	28	64	4	0	96	24	53	20	0	97	386
07:45 AM	15	62	24	0	101	7	58	14	0	79	24	41	8	0	73	24	42	26	0	92	345
Total	53	230	89	0	372	35	272	54	0	361	114	205	25	0	344	90	194	78	0	362	1439
08:00 AM	8	53	21	0	82	5	77	16	0	98	31	44	8	0	83	31	39	10	0	80	343
08:15 AM	11	30	27	0	68	3	40	18	0	61	27	37	5	0	69	36	36	9	0	81	279
08:30 AM	10	38	43	0	91	7	49	17	0	73	28	40	4	0	72	52	43	12	0	107	343
08:45 AM	16	52	60	0	128	5	36	11	0	52	28	29	5	0	62	25	22	21	0	68	310
Total	45	173	151	0	369	20	202	62	0	284	114	150	22	0	286	144	140	52	0	336	1275
Grand Total	98	403	240	0	741	55	474	116	0	645	228	355	47	0	630	234	334	130	0	698	2714
Apprch %	13.2	54.4	32.4	0		8.5	73.5	18	0		36.2	56.3	7.5	0		33.5	47.9	18.6	0		
Total %	3.6	14.8	8.8	0	27.3	2	17.5	4.3	0	23.8	8.4	13.1	1.7	0	23.2	8.6	12.3	4.8	0	25.7	
Unshifted	98	403	240	0	741	55	474	116	0	645	228	355	47	0	630	234	334	130	0	698	2714
% Unshifted	100	100	100	0	100	100	100	100	0	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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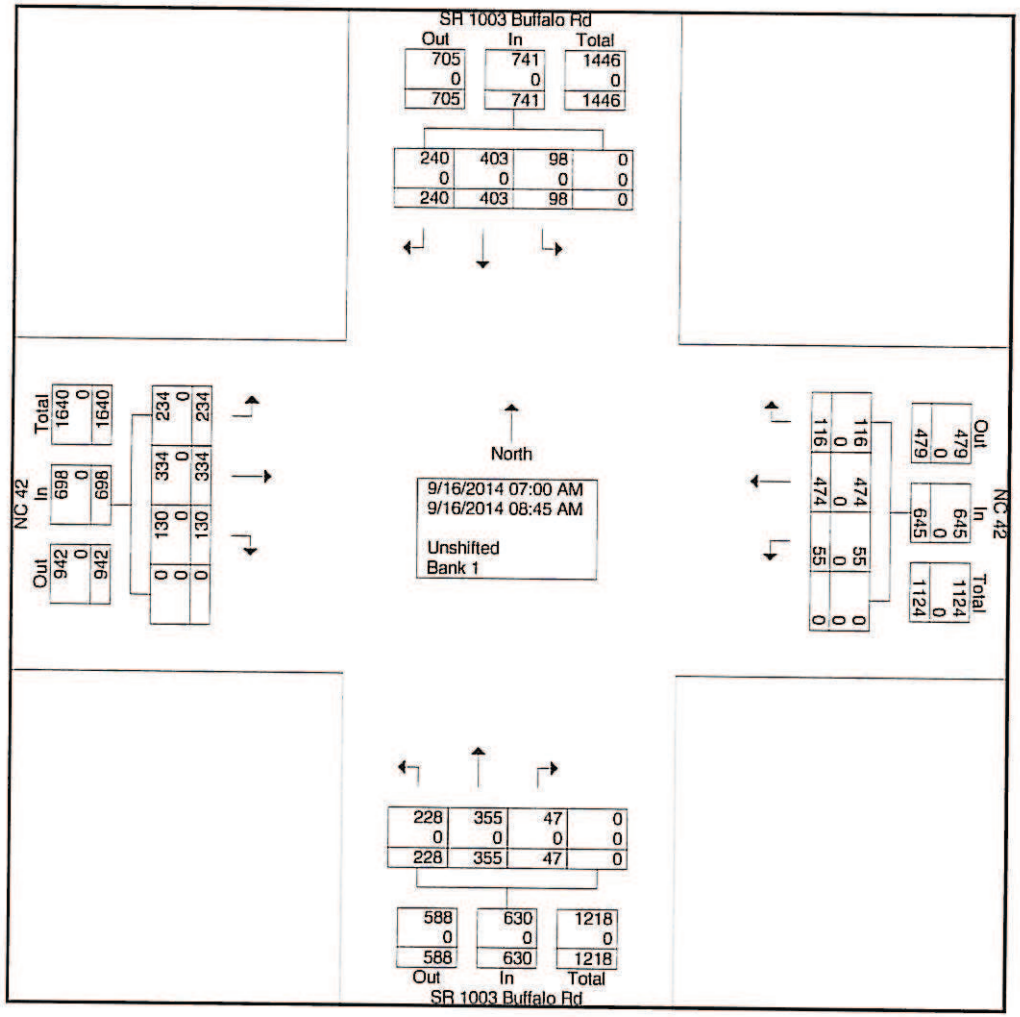

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	SR 1003 Buffalo Rd					NC 42					SR 1003 Buffalo Rd					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	13	56	21	0	90	9	73	8	0	90	32	55	8	0	95	23	49	19	0	91	366
07:30 AM	14	63	25	0	102	8	65	18	0	91	28	64	4	0	96	24	53	20	0	97	386
07:45 AM	15	62	24	0	101	7	58	14	0	79	24	41	8	0	73	24	42	26	0	92	345
08:00 AM	8	53	21	0	82	5	77	16	0	98	31	44	8	0	83	31	39	10	0	80	343
Total Volume	50	234	91	0	375	29	273	56	0	358	115	204	28	0	347	102	183	75	0	360	1440
% App. Total	13.3	62.4	24.3	0		8.1	76.3	15.6	0		33.1	58.8	8.1	0		28.3	50.8	20.8	0		
PHF	.833	.929	.910	.000	.919	.806	.886	.778	.000	.913	.898	.797	.875	.000	.904	.823	.863	.721	.000	.928	.933

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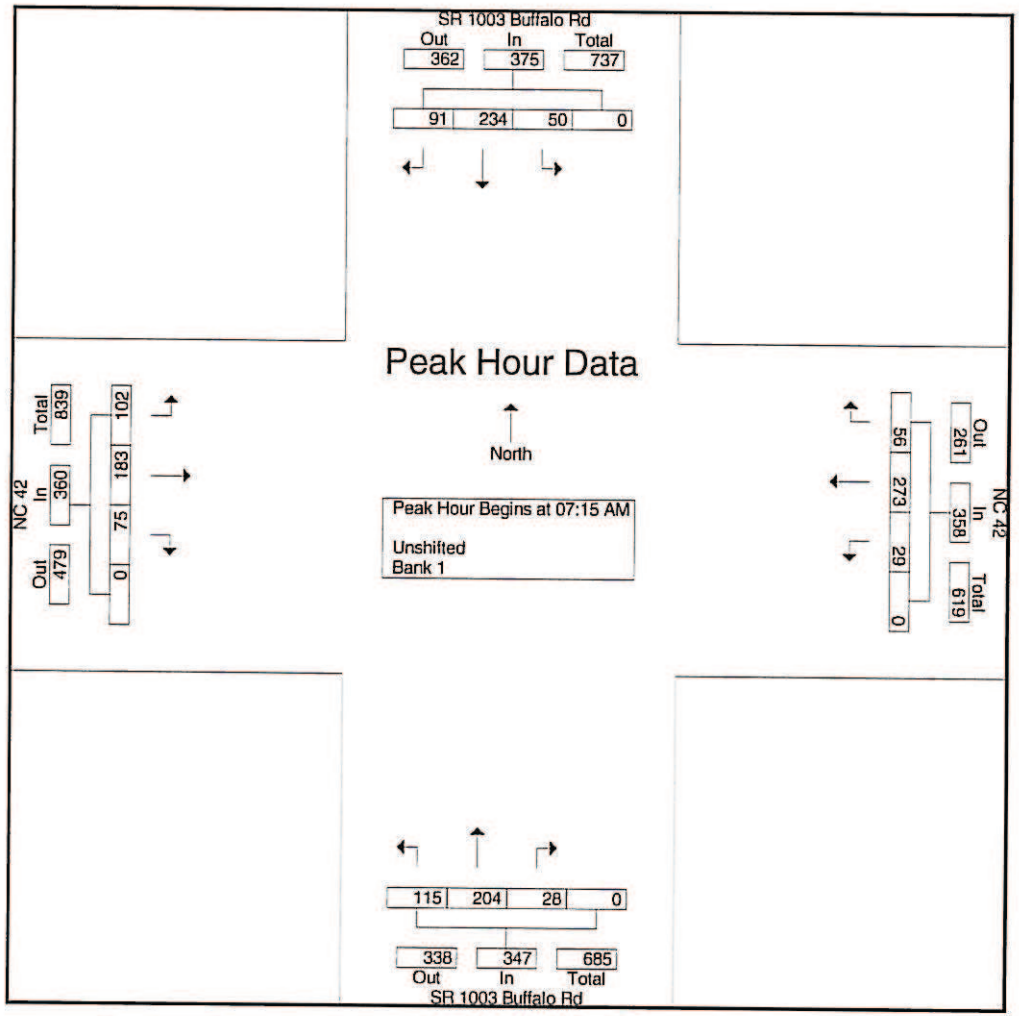

Wetherill Engineering Inc.

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Portofino Subdivision, Wilders Township, Johnston County

File Name : PORTOFINO WEEK OF 9-22-14 - 2
Site Code : 00000001
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Groups Printed- Unshifted - Bank 1

	SR 1003 Buffalo Rd					NC 42					SR 1003 Buffalo Rd					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
04:00 PM	17	60	45	0	122	17	31	14	0	62	22	43	3	0	68	29	51	22	0	102	354
04:15 PM	20	58	28	0	106	5	36	18	0	59	15	46	7	0	68	22	56	25	0	103	336
04:30 PM	17	49	24	0	90	11	59	11	0	81	30	46	3	0	79	37	68	31	0	136	386
04:45 PM	18	42	36	0	96	11	33	8	0	52	30	51	9	0	90	32	87	23	0	142	380
Total	72	209	133	0	414	44	159	51	0	254	97	186	22	0	305	120	262	101	0	483	1456
05:00 PM	19	57	23	0	99	7	40	12	0	59	22	43	3	0	68	31	65	44	0	140	366
05:15 PM	20	55	24	0	99	11	66	13	0	90	34	88	9	0	131	25	83	20	0	128	448
05:30 PM	17	57	22	0	96	9	68	15	0	92	31	84	11	0	126	23	80	19	0	122	436
05:45 PM	15	50	19	0	84	9	57	11	0	77	31	77	6	0	114	19	79	17	0	115	390
Total	71	219	88	0	378	36	231	51	0	318	118	292	29	0	439	98	307	100	0	505	1640
Grand Total	143	428	221	0	792	80	390	102	0	572	215	478	51	0	744	218	569	201	0	988	3096
Apprch %	18.1	54	27.9	0		14	68.2	17.8	0		28.9	64.2	6.9	0		22.1	57.6	20.3	0		
Total %	4.6	13.8	7.1	0	25.6	2.6	12.6	3.3	0	18.5	6.9	15.4	1.6	0	24	7	18.4	6.5	0	31.9	
Unshifted	143	428	221	0	792	80	390	102	0	572	215	478	51	0	744	218	569	201	0	988	3096
% Unshifted	100	100	100	0	100	100	100	100	0	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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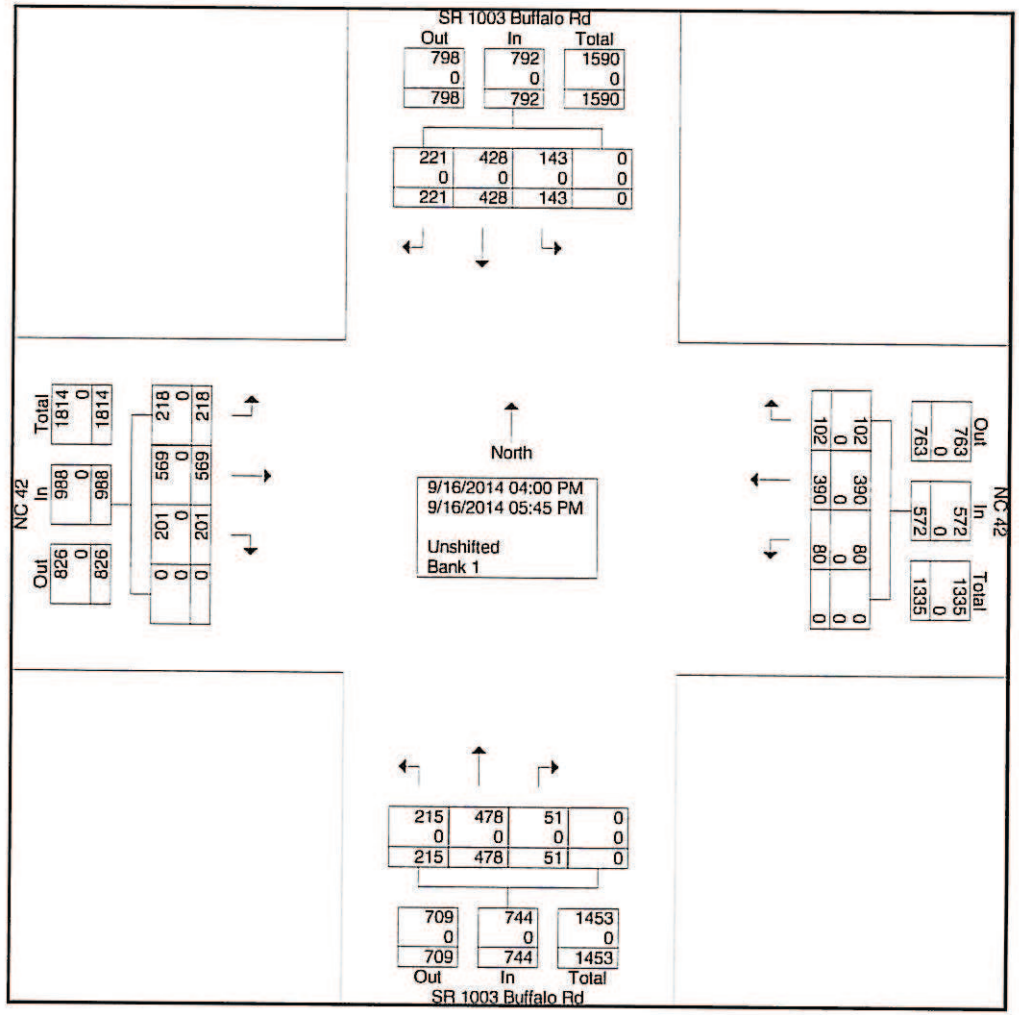

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	SR 1003 Buffalo Rd					NC 42					SR 1003 Buffalo Rd					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Each Approach Begins at:																					
	04:00 PM					05:00 PM					05:00 PM					04:30 PM					
+0 mins.	17	60	45	0	122	7	40	12	0	59	22	43	3	0	68	37	68	31	0	136	
+15 mins.	20	58	28	0	106	11	66	13	0	90	34	88	9	0	131	32	87	23	0	142	
+30 mins.	17	49	24	0	90	9	68	15	0	92	31	84	11	0	126	31	65	44	0	140	
+45 mins.	18	42	36	0	96	9	57	11	0	77	31	77	6	0	114	25	83	20	0	128	
Total Volume	72	209	133	0	414	36	231	51	0	318	118	292	29	0	439	125	303	118	0	546	
% App. Total	17.4	50.5	32.1	0		11.3	72.6	16	0		26.9	66.5	6.6	0		22.9	55.5	21.6	0		
PHF	.900	.871	.739	.000	.848	.818	.849	.850	.000	.864	.868	.830	.659	.000	.838	.845	.871	.670	.000	.961	

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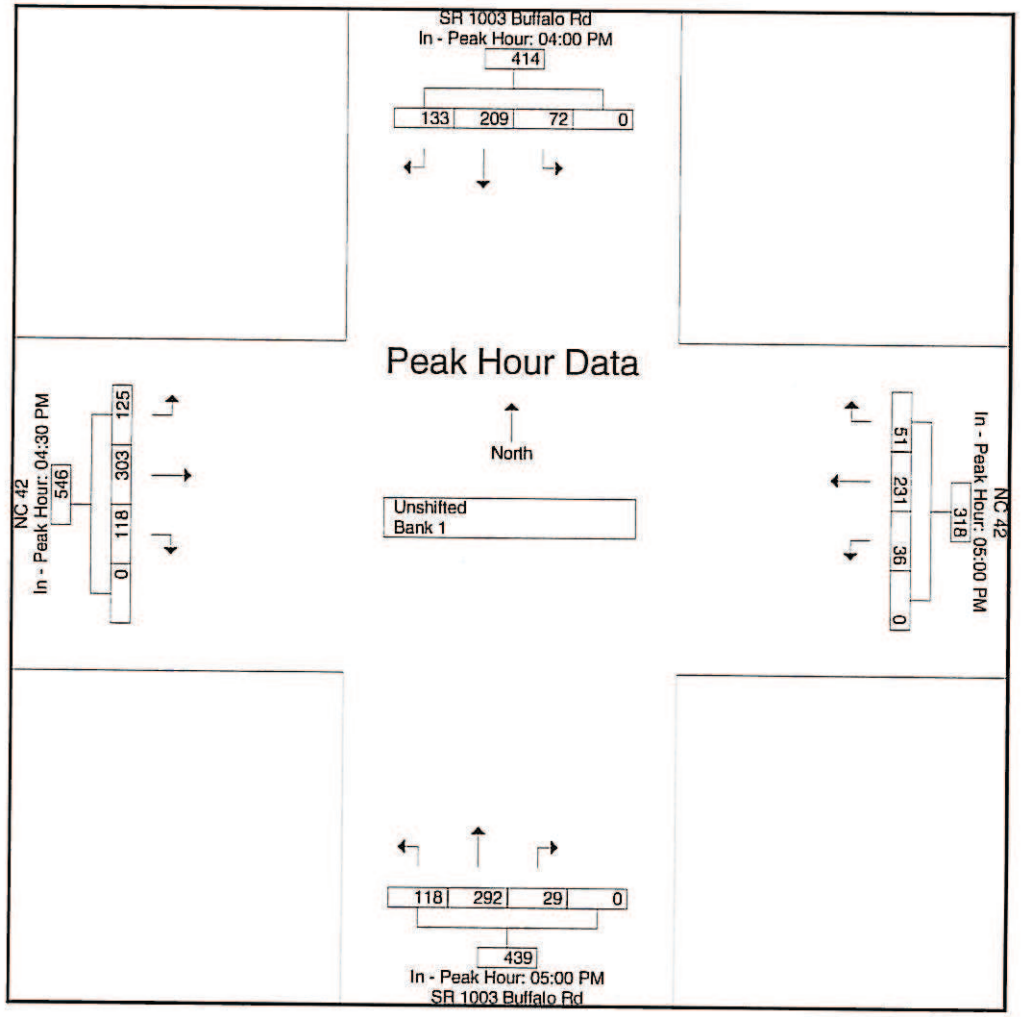
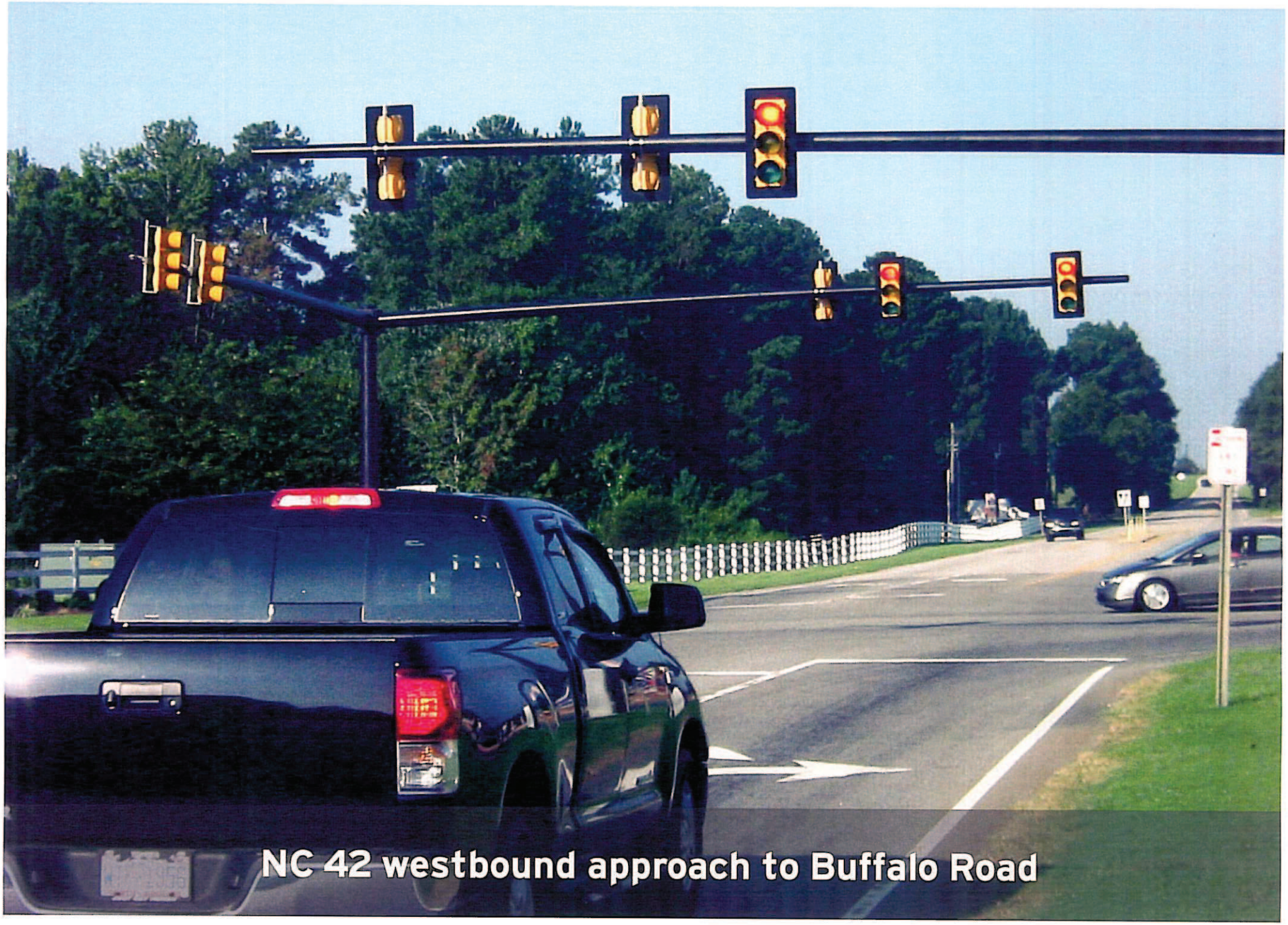
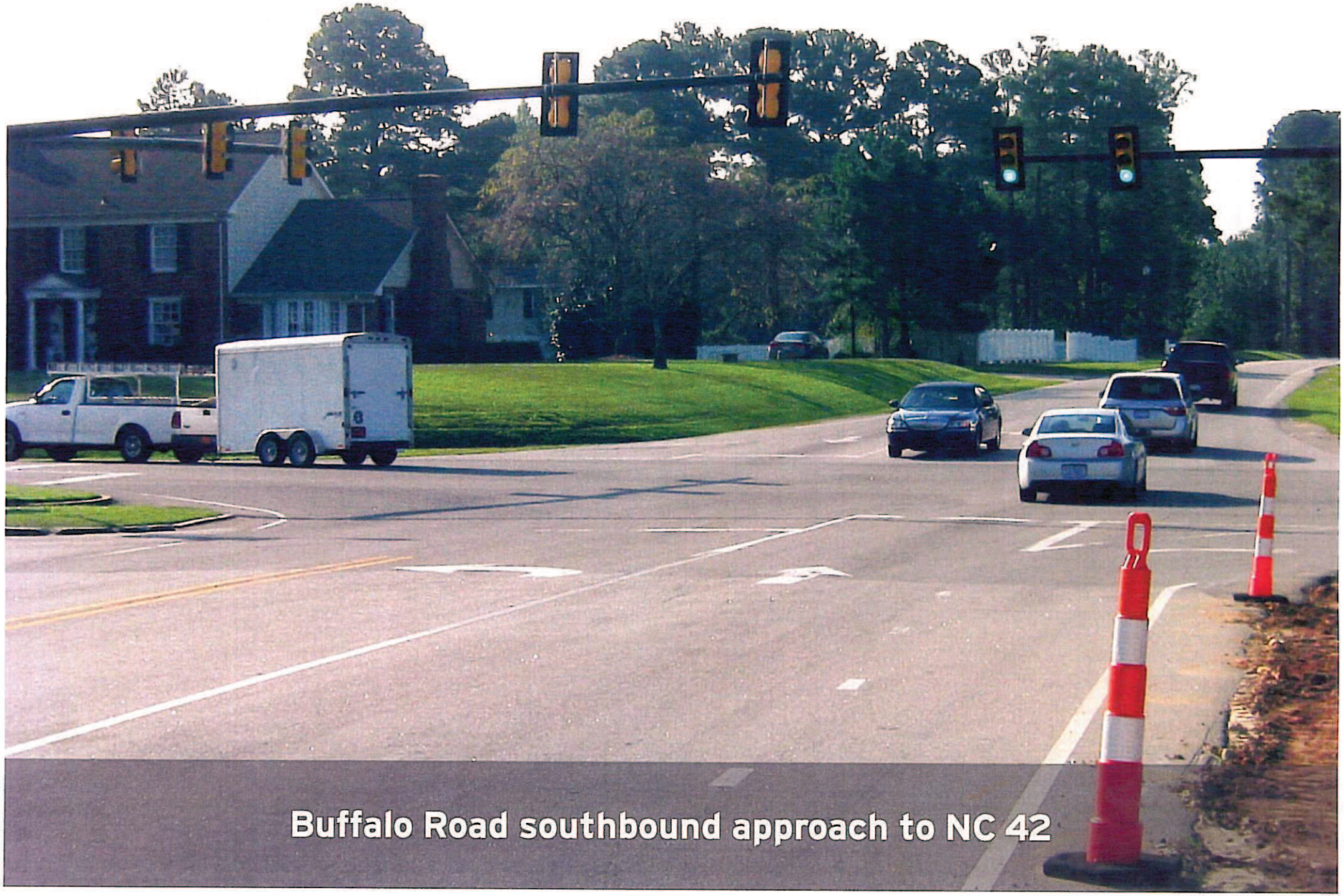


NC 42 eastbound approach to Buffalo Road



NC 42 westbound approach to Buffalo Road

Buffalo Road northbound approach to NC 42



Buffalo Road southbound approach to NC 42