Wetherill Engineering Inc.
559 Jones Frankin Road, Suite 164
Raleigh NC 27606

River Oakes Mixed Use Subdivision
NC 42, Johnston County,North Carolina
NC 42 & US 70 EB Ramps

File Name : NC 42 & US 70 EB Ramp
Site Code : 00000007
Start Date : 5/20/2015

Groups Printed- Unshifted - Bank 1

	US 70 EB Ramp					NC 42					US 70 EB ON Ramp					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
07:00 AM	7	2	4	0	13	13	129	0	0	142	0	0	0	0	0	0	154	69	0	223	378
07:15 AM	12	0	6	0	18	25	136	2	0	163	0	0	0	0	0	0	162	57	0	219	400
07:30 AM	8	0	6	0	14	21	146	0	0	167	0	0	0	0	0	0	156	58	0	214	395
07:45 AM	28	0	3	0	31	13	154	0	0	167	0	0	0	0	0	0	165	62	2	229	427
Total	55	2	19	0	76	72	565	2	0	639	0	0	0	0	0	0	637	246	2	885	1600
08:00 AM	14	0	5	0	19	15	136	0	0	151	0	0	0	0	0	0	171	41	0	212	382
08:15 AM	20	0	6	0	26	15	152	0	0	167	0	0	0	0	0	0	160	50	0	210	403
08:30 AM	14	1	3	0	18	15	152	1	0	168	0	0	0	0	0	0	167	36	0	203	389
08:45 AM	23	0	6	0	29	7	148	0	0	155	0	0	0	0	0	0	150	38	0	188	372
Total	71	1	20	0	92	52	588	1	0	641	0	0	0	0	0	0	648	165	0	813	1546
*** BREAK ***																					
04:00 PM	19	0	22	0	41	13	191	0	0	204	0	0	0	0	0	0	141	38	0	179	424
04:15 PM	16	0	17	0	33	26	191	0	0	217	0	0	0	0	0	0	143	36	0	179	429
04:30 PM	31	0	26	0	57	12	219	0	0	231	0	0	0	0	0	0	135	46	0	181	469
04:45 PM	18	0	15	0	33	23	210	0	0	233	0	0	0	0	0	0	158	40	0	198	464
Total	84	0	80	0	164	74	811	0	0	885	0	0	0	0	0	0	577	160	0	737	1786
05:00 PM	15	0	31	0	46	22	222	0	0	244	0	0	0	0	0	0	145	50	0	195	485
05:15 PM	26	0	25	0	51	26	204	0	0	230	0	0	0	0	0	0	143	29	0	172	453
05:30 PM	29	0	32	0	61	18	197	0	0	215	0	0	0	0	0	0	128	38	0	166	442
05:45 PM	27	0	32	0	59	13	218	0	0	231	0	0	0	0	0	0	162	42	0	204	494
Total	97	0	120	0	217	79	841	0	0	920	0	0	0	0	0	0	578	159	0	737	1874
Grand Total	307	3	239	0	549	277	2805	3	0	3085	0	0	0	0	0	0	2440	730	2	3172	6806
Apprch %	55.9	0.5	43.5	0		9	90.9	0.1	0		0	0	0	0		0	76.9	23	0.1		
Total %	4.5	0	3.5	0	8.1	4.1	41.2	0	0	45.3	0	0	0	0	0	0	35.9	10.7	0	46.6	
Unshifted	307	3	239	0	549	277	2805	3	0	3085	0	0	0	0	0	0	2440	730	2	3172	6806
% Unshifted	100	100	100	0	100	100	100	100	0	100	0	0	0	0	0	0	100	100	100	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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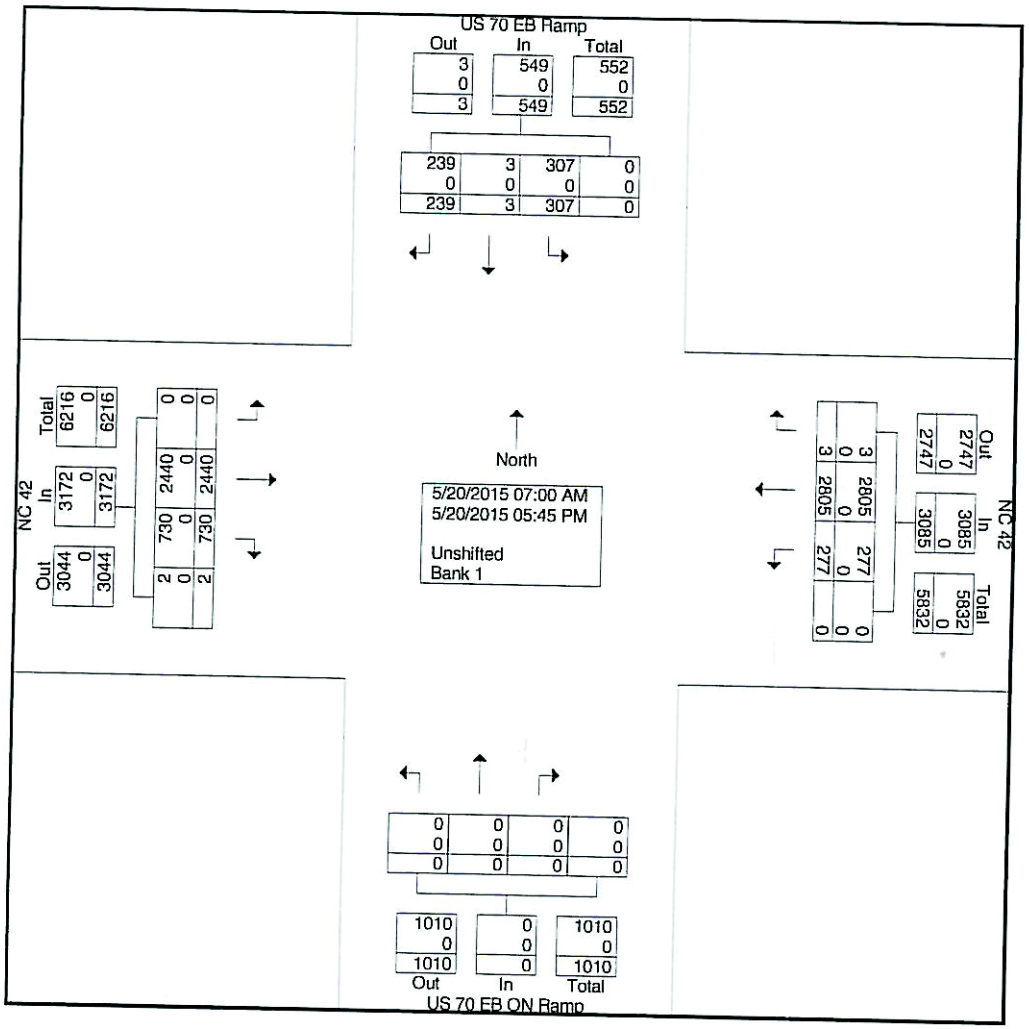

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Page No : 4

	US 70 EB Ramp					NC 42					US 70 EB ON Ramp					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	8	0	**6**	0	14	**21**	146	0	0	**167**	0	0	0	0	0	0	156	58	0	214	395
07:45 AM	**28**	0	3	0	**31**	13	**154**	0	0	167	0	0	0	0	0	0	165	**62**	**2**	**229**	**427**
08:00 AM	14	0	5	0	19	15	136	0	0	151	0	0	0	0	0	0	**171**	41	0	212	382
08:15 AM	20	0	6	0	26	15	152	0	0	167	0	0	0	0	0	0	160	50	0	210	403
Total Volume	70	0	20	0	90	64	588	0	0	652	0	0	0	0	0	0	652	211	2	865	1607
% App. Total	77.8	0	22.2	0		9.8	90.2	0	0		0	0	0	0		0	75.4	24.4	0.2		
PHF	.625	.000	.833	.000	.726	.762	.955	.000	.000	.976	.000	.000	.000	.000	.000	.000	.953	.851	.250	.944	.941

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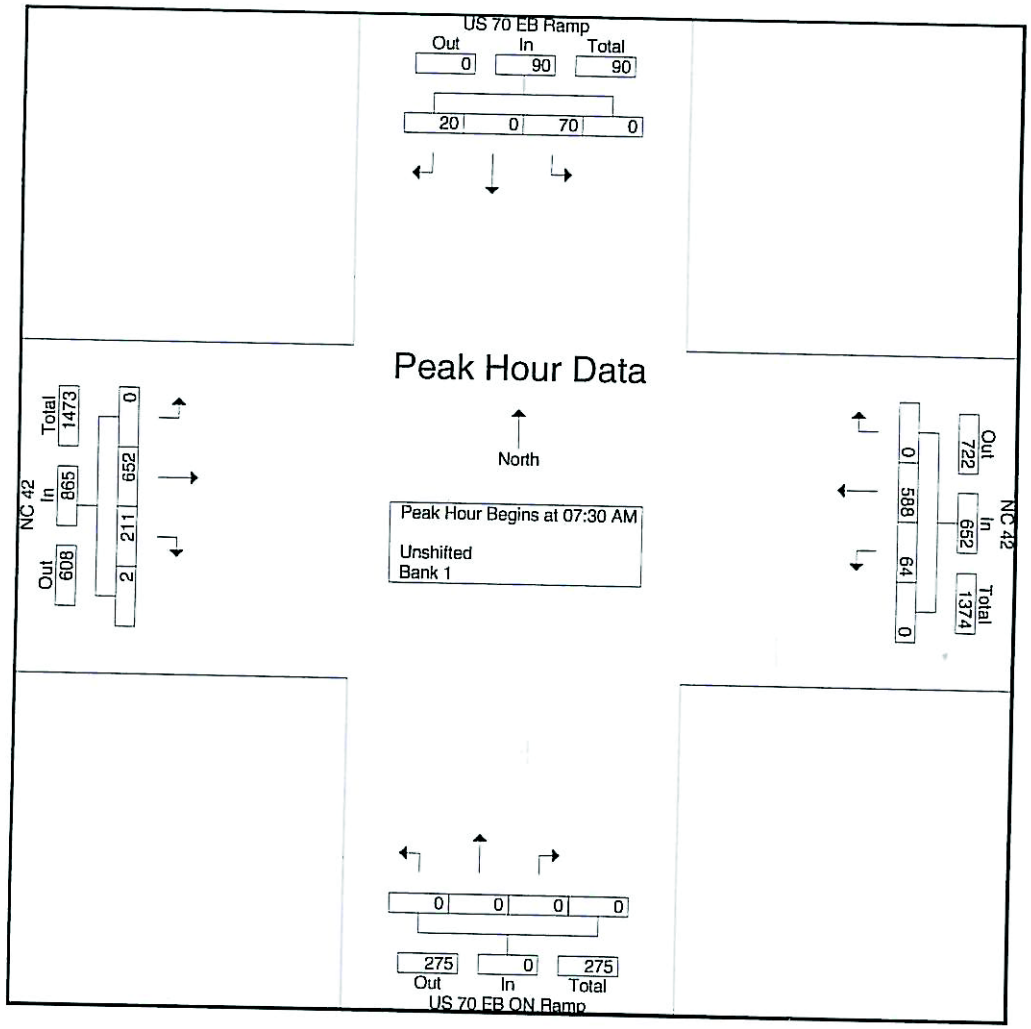

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	US 70 EB Ramp					NC 42					US 70 EB ON Ramp					NC 42					
Start Time					App. Total					App. Total					App. Total					App. Total	Int. Total
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	15	0	31	0	46	22	**222**	0	0	**244**	0	0	0	0	0	0	145	**50**	0	195	485
05:15 PM	26	0	25	0	51	**26**	204	0	0	230	0	0	0	0	0	0	143	29	0	172	453
05:30 PM	**29**	0	**32**	0	**61**	18	197	0	0	215	0	0	0	0	0	0	128	38	0	166	442
05:45 PM	27	0	32	0	59	13	218	0	0	231	0	0	0	0	0	0	**162**	42	0	**204**	**494**
Total Volume	97	0	120	0	217	79	841	0	0	920	0	0	0	0	0	0	578	159	0	737	1874
% App. Total	44.7	0	55.3	0		8.6	91.4	0	0		0	0	0	0		0	78.4	21.6	0		
PHF	.836	.000	.938	.000	.889	.760	.947	.000	.000	.943	.000	.000	.000	.000	.000	.000	.892	.795	.000	.903	.948

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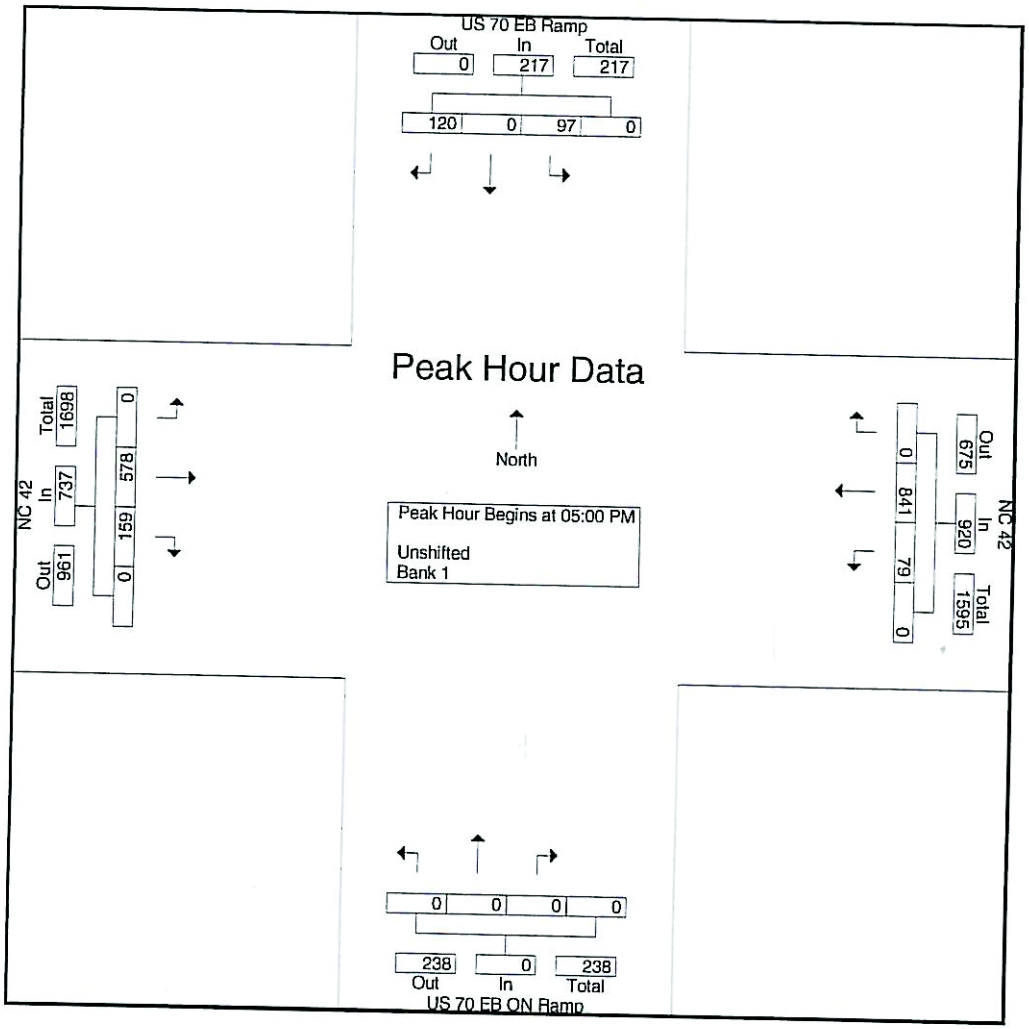

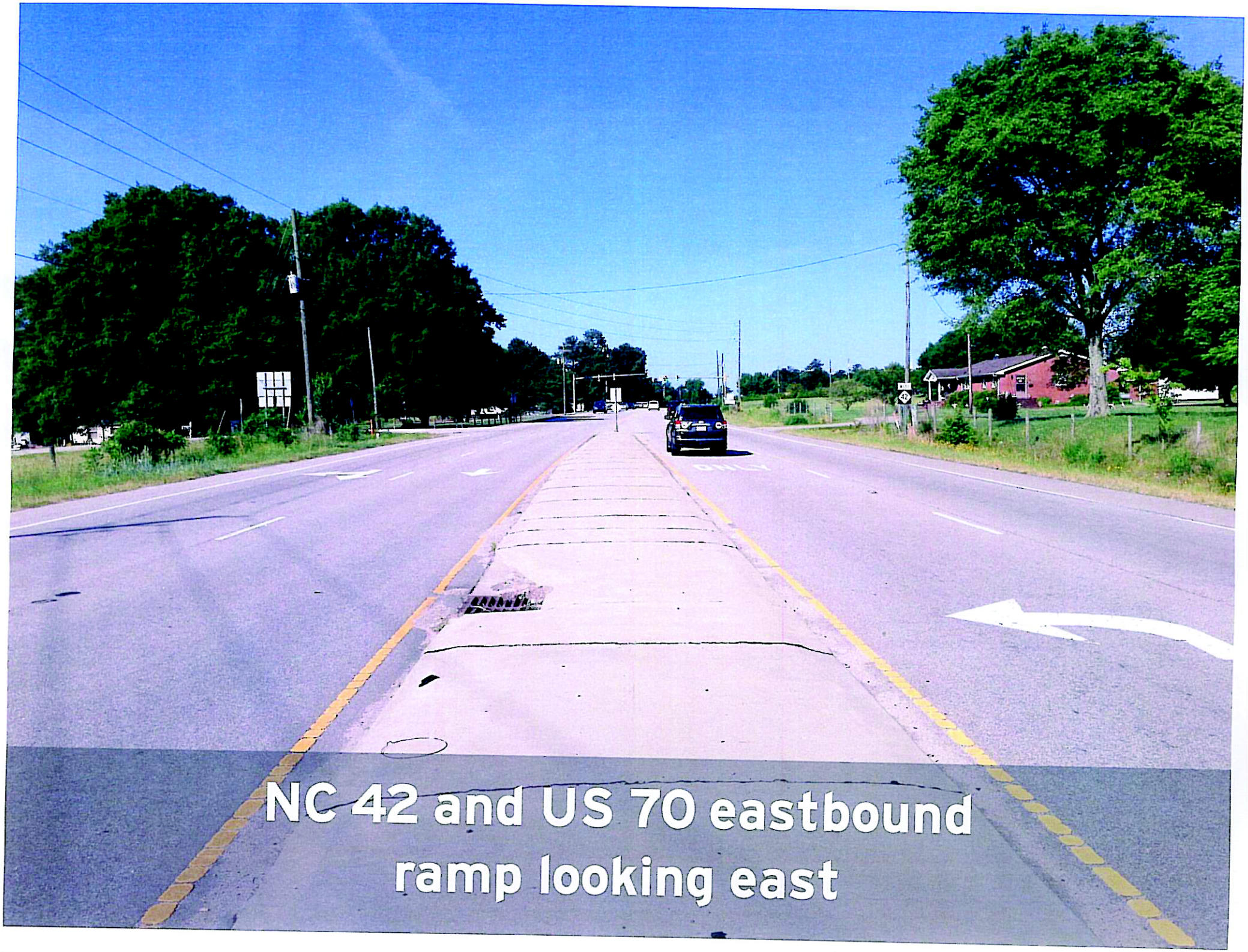

NC 42 and US 70 eastbound ramp looking east

NC 42 and US 70 eastbound ramp looking west

NC 42 and US 70 eastbound ramp looking north