

09/08/13

**CONTRACT NO.: WBS ELEMENT: ICR.20081.63, ETC.**

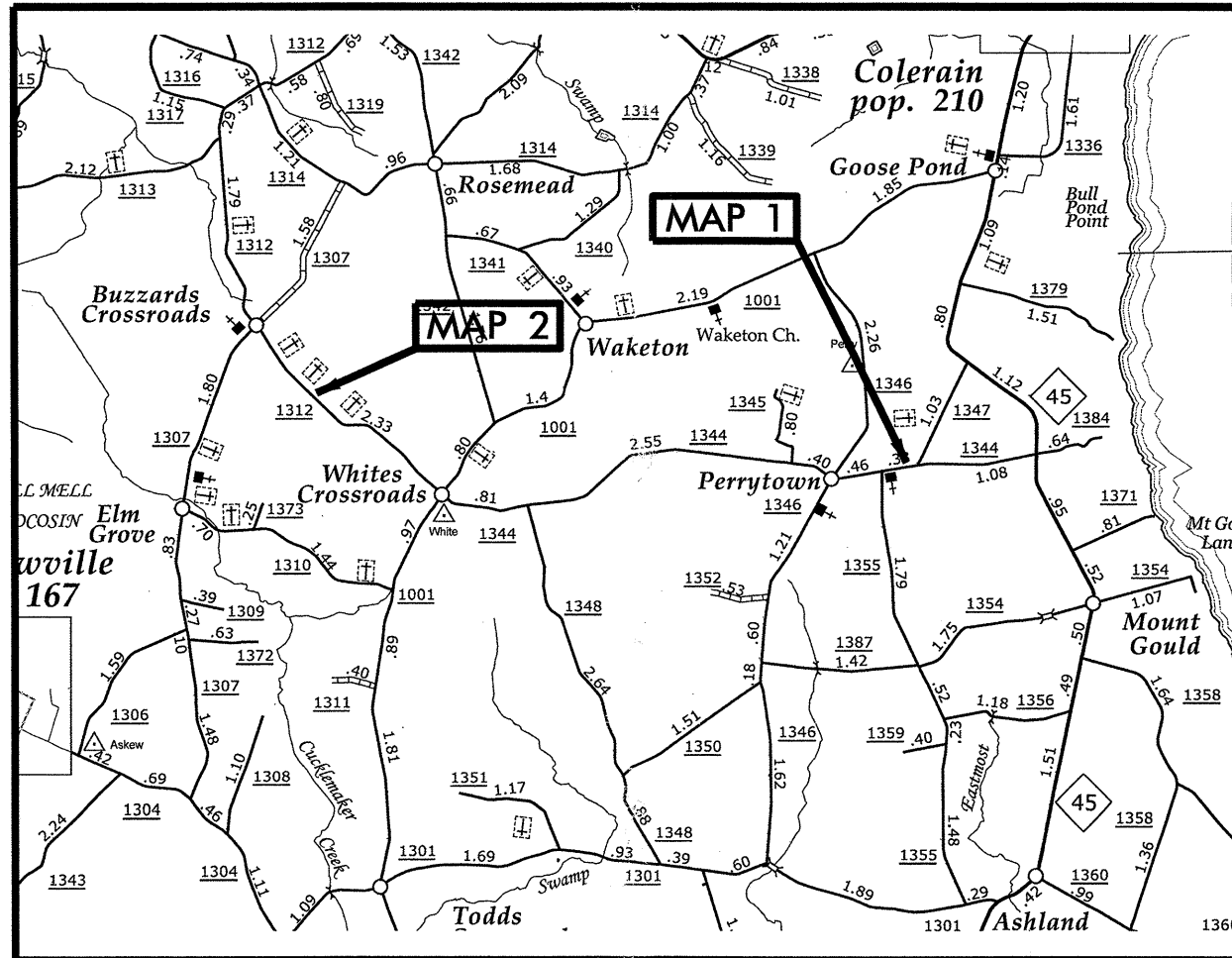
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**BERTIE COUNTY**

LOCATION: MAP 1 SR 1344 FROM SR 1346 TO NC 45  
MAP 2 SR 1312 FROM SR 1001 TO SR 1307

TYPE OF WORK: WIDENING, RESURFACING & PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.20081.63, ETC.	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
ICR.20081.63		MAP 1	
ICR.20081.64		MAP 2	



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 1 = 1.87 MI.  
LENGTH OF ROADWAY PROJECT MAP 2 = 2.33 MI.

Prepared in the Office of  
**DIVISION OF HIGHWAYS**

113 Airport Dr., Edenton NC, 27932

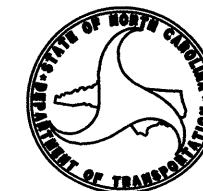
2012 STANDARD SPECIFICATIONS

LETTING DATE:  
AUGUST 20, 2013

W.B. HOBBS, P.E.  
DIVISION PROJECT MANAGER

C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



CONTRACT NO.: WBS ELEMENT: ICR.20081.63, ETC.

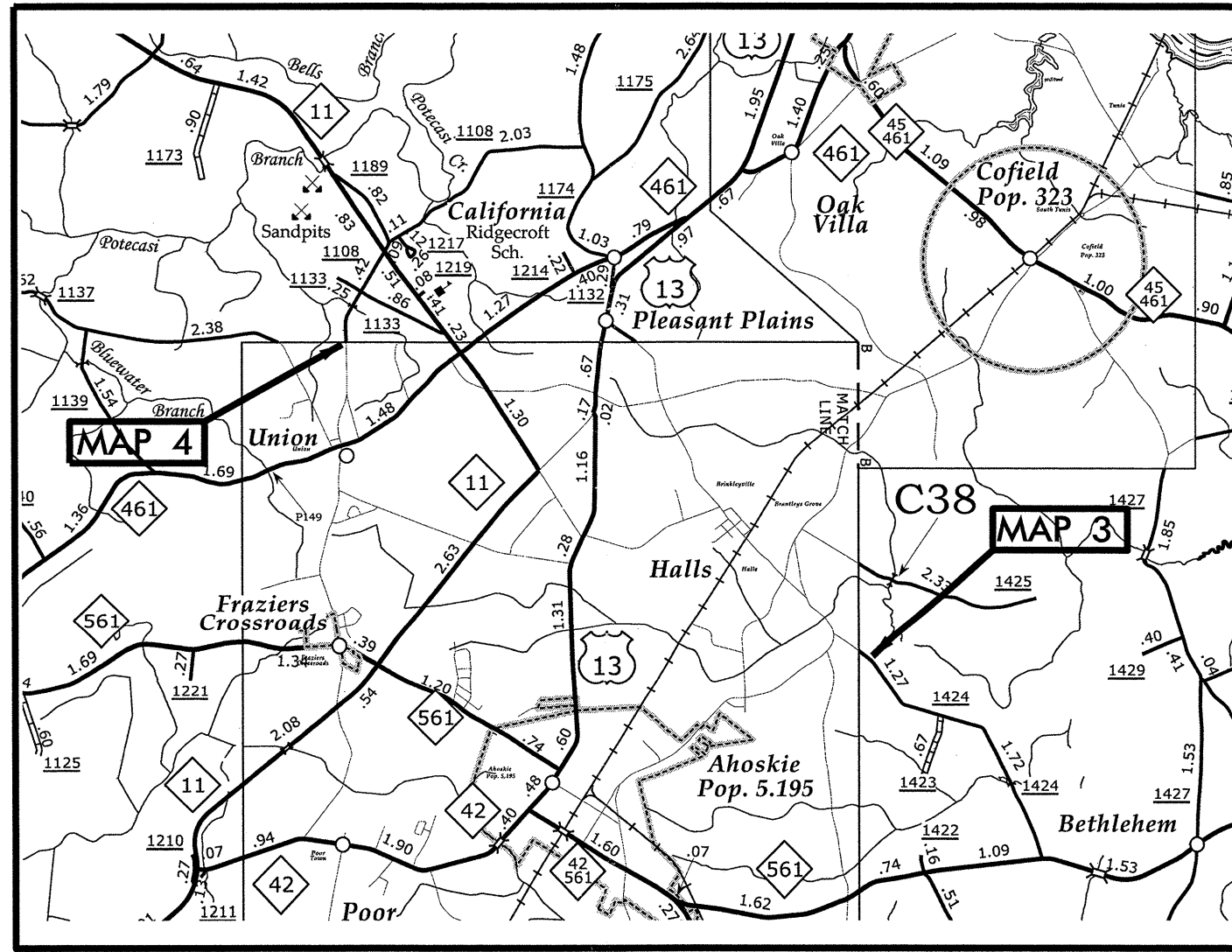
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**HERTFORD COUNTY**

LOCATION: MAP 3 SR 1424 FROM SR 1409 TO SR 1423  
MAP 4 SR 1108 FROM NC 461 TO NC 11

TYPE OF WORK: LEVELING, RESURFACING & PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.20081.63, ETC.	2	
STATE PUBL. NO.	P.A. PUBL. NO.	DESCRIPTION	
1CR.20461.51		MAP 3	
1CR.20461.52		MAP 4	



**NTS**

PROJECT LENGTH  
LENGTH OF ROADWAY PROJECT MAP 3 = 1.27 MI.  
LENGTH OF ROADWAY PROJECT MAP 4 = 1.85 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

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2012 STANDARD SPECIFICATIONS

LETTING DATE:  
AUGUST 20, 2013

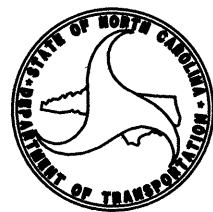
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W.B. HOBBS, P.E.  
DIVISION PROJECT MANAGER

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C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



09/08/09

**WBS ELEMENT: ICR.20081.63, ETC.**

**CONTRACT NO.:**

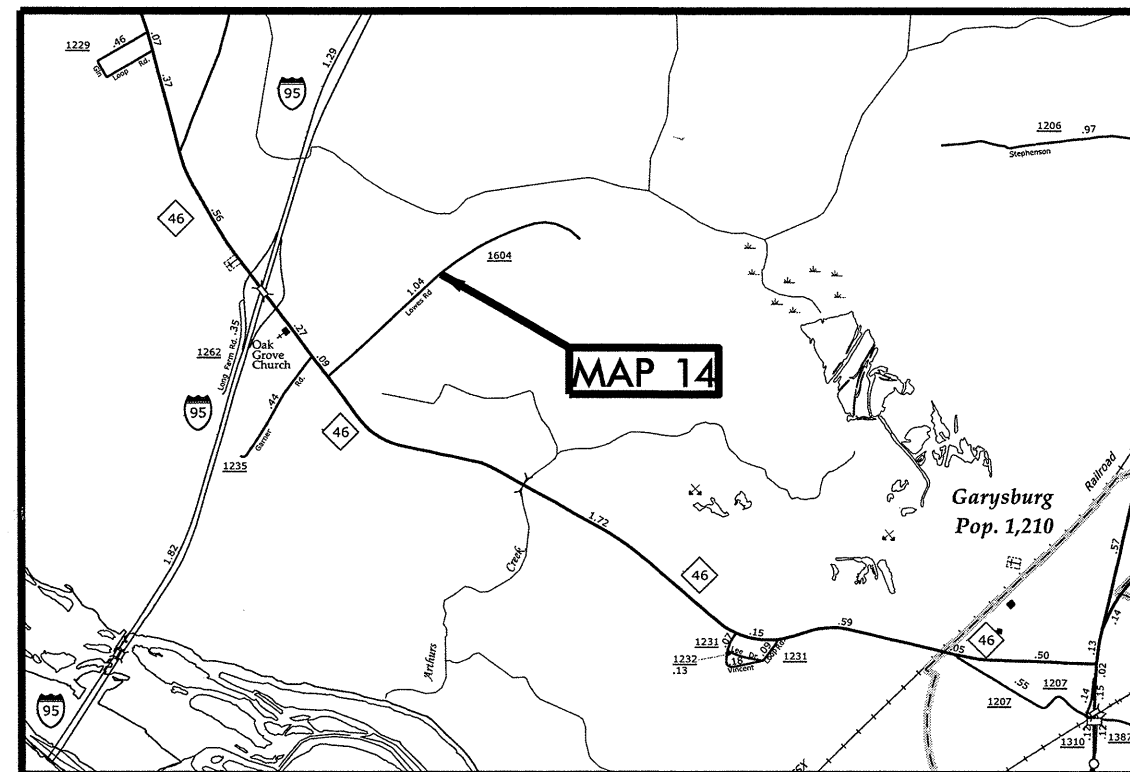
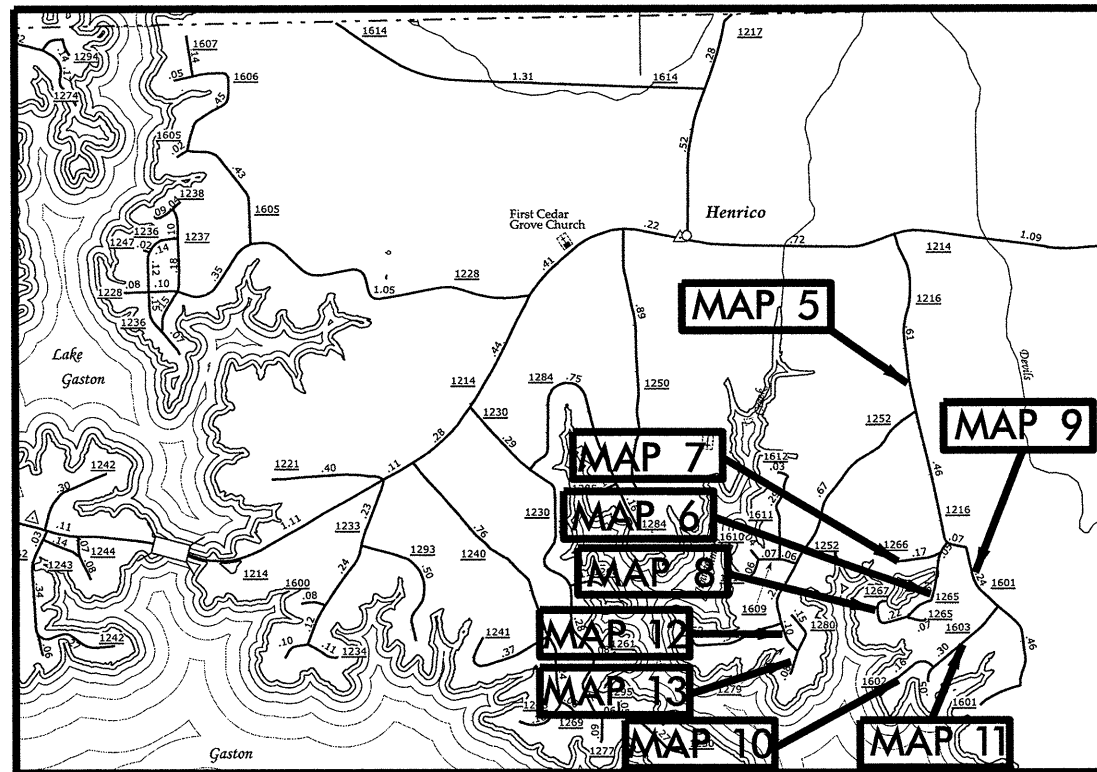
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**NORTHAMPTON COUNTY**

**LOCATION:** MAP 5 SR 1216 FROM SR 1214 TO SR 1601  
 MAP 6 SR 1265 FROM SR 1216 TO END  
 MAP 7 SR 1266 FROM SR 1265 TO END  
 MAP 8 SR 1267 FROM SR 1265 TO END  
 MAP 9 SR 1601 FROM SR 1216 TO END  
 MAP 10 SR 1602 FROM SR 1603 TO END  
 MAP 11 SR 1603 FROM SR 1601 TO END  
 MAP 12 SR 1279 FROM SR 1252 TO END  
 MAP 13 SR 1280 FROM END TO END  
 MAP 14 SR 1604 FROM NC 46 TO END

**TYPE OF WORK: MILLING, RESURFACING & PAVEMENT MARKINGS**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.20081.63, ETC.	3	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
ICR.20661.76		MAP 5	
ICR.20661.77		MAP 6	
ICR.20661.78		MAP 7	
ICR.20661.79		MAP 8	
ICR.20661.80		MAP 9	
ICR.20661.81		MAP 10	
ICR.20661.82		MAP 11	
ICR.20661.83		MAP 12	
ICR.20661.84		MAP 13	
ICR.20661.85		MAP 14	



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 5 = 1.14 MI.  
 LENGTH OF ROADWAY PROJECT MAP 6 = 0.31 MI.  
 LENGTH OF ROADWAY PROJECT MAP 7 = 0.17 MI.  
 LENGTH OF ROADWAY PROJECT MAP 8 = 0.27 MI.  
 LENGTH OF ROADWAY PROJECT MAP 9 = 0.70 MI.  
 LENGTH OF ROADWAY PROJECT MAP 10 = 0.15 MI.  
 LENGTH OF ROADWAY PROJECT MAP 11 = 0.35 MI.  
 LENGTH OF ROADWAY PROJECT MAP 12 = 0.13 MI.  
 LENGTH OF ROADWAY PROJECT MAP 13 = 0.23 MI.  
 LENGTH OF ROADWAY PROJECT MAP 14 = 1.04 MI.

Prepared in the Office of:

**DIVISION OF HIGHWAYS**

113 Airport Dr., Edenton NC, 27932

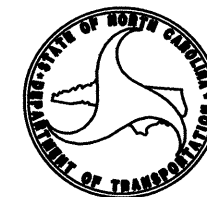
2012 STANDARD SPECIFICATIONS

LETTING DATE:  
AUGUST 20, 2013

W.B. HOBBS, P.E.  
DIVISION PROJECT MANAGER

C.E. SLACHTA  
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA



PAVEMENT SCHEDULE

C1	PROP. APPROX. 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
E*	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD. (TO BE USED ON MAP 1 ONLY)
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
ICR.20081.63, ETC.	4

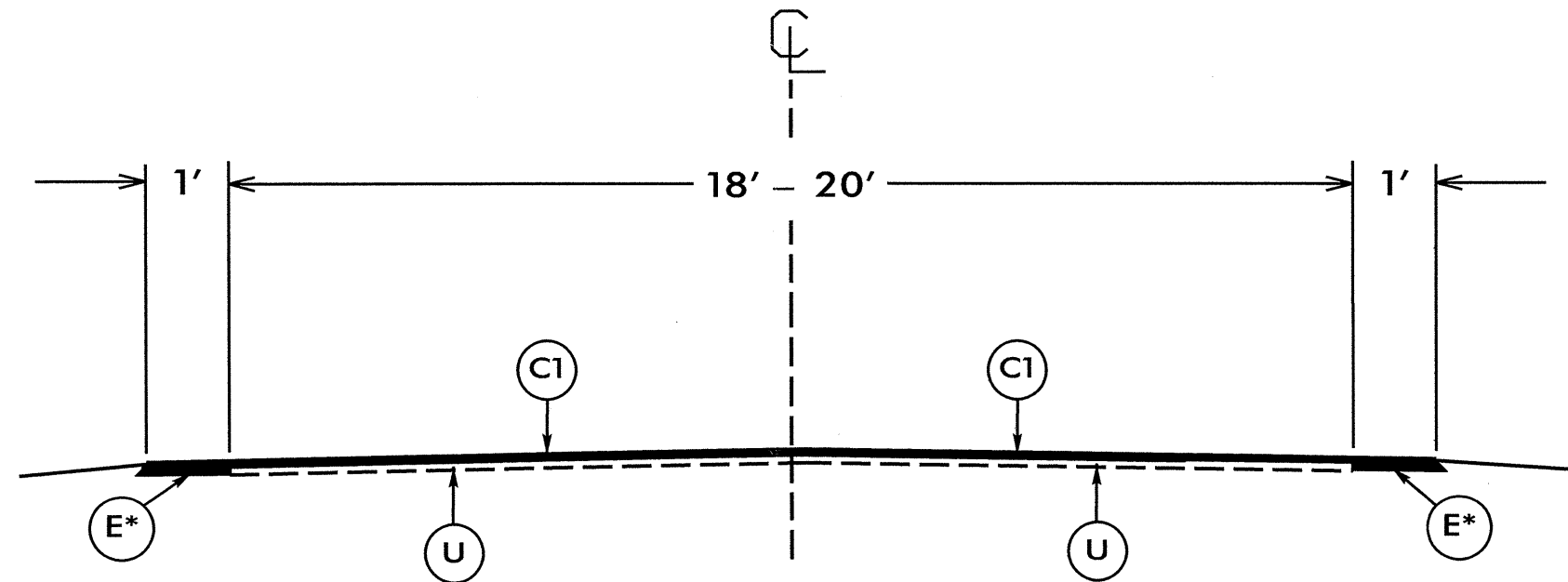
NOTES:

\*ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI., OR AS DIRECTED BY THE ENGINEER

\*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES

\*PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

\*SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS



**TYPICAL SECTION NO.1**

**USE WITH MAPS 1-3 & 5-13**

NTS

CONSISTENT

PAVEMENT SCHEDULE

C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

PROJECT REFERENCE NO.	SHEET NO.
<b>ICR.20081.63, ETC.</b>	<b>5</b>

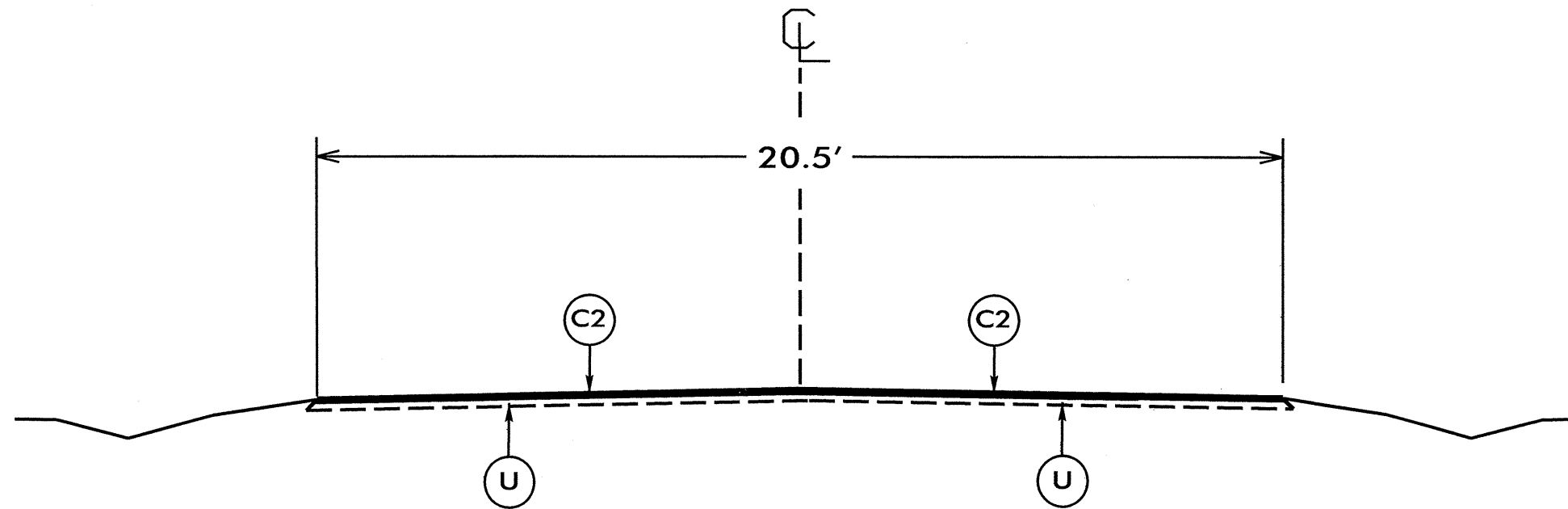
NOTES:

\*ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI., OR AS DIRECTED BY THE ENGINEER

\*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES

\*PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS



**TYPICAL SECTION NO.2**

**USE WITH MAP 4**

NTS

DATE: 08/14/08  
 DRAWN BY: J. J. BROWN  
 CHECKED BY: J. J. BROWN  
 APPROVED BY: J. J. BROWN





PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.20081.63, ETC.	8	

### SUMMARY OF QUANTITIES

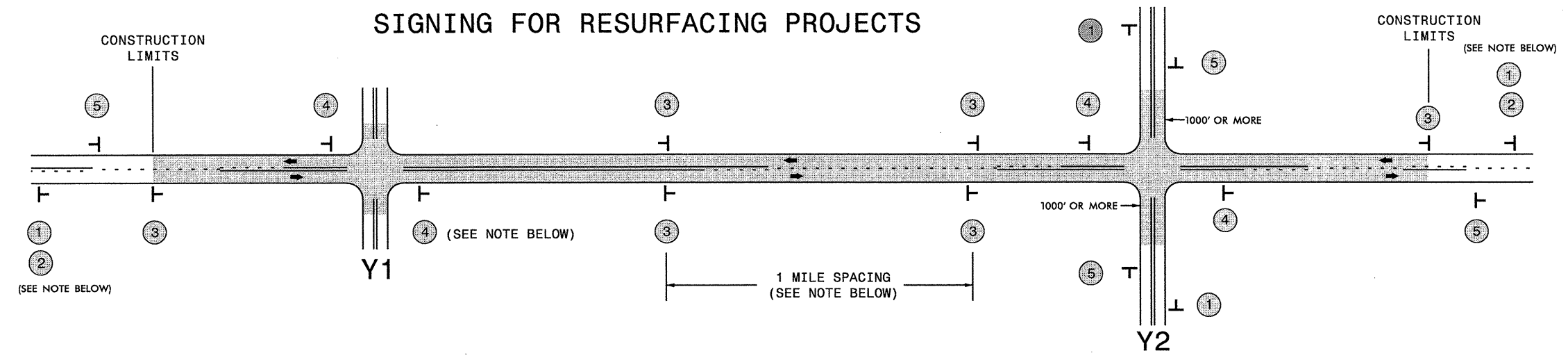
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	INCIDENTAL STONE BASE TONS	1 1/2" MILLING SY	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (LEVELING COURSE) TON	ASPHALT BINDER FOR PLANT MIX TONS	6" CONCRETE DRIVEWAY SY
1CR.20081.63	Bertie	1	SR1344	From SR 1346 to End of Pavement	1	2	2WU	NO	NO	1.87	18	40		941		1,833		164	40
1CR.20081.64	Bertie	2	SR1312	From SR 1001 to SR 1307	1	2	2WU	NO	NO	2.33	20					2,124		142	
1CR.20461.51	Hertford	3	SR1424	From SR 1409 to SR 1423	1	2	2WU	NO	NO	1.27	20					1,041	691	116	
1CR.20461.52	Hertford	4	SR1108	From NC 461 to NC 11 (Northward)	2	2	2WU	NO	NO	1.85	20.5				2,162			130	
1CR.20661.76	Northampton	5	SR1216	From SR 1214 to SR 1601	1	2	2WU	NO	NO	1.14	20					1,034		69	
1CR.20661.77	Northampton	6	SR1265	From SR 1216 to Cul de Sac	1	2	2WU	NO	NO	0.31	18					225		15	
1CR.20661.78	Northampton	7	SR1266	From SR 1265 to Cul de Sac	1	2	2WU	NO	NO	0.17	18					165		11	
1CR.20661.79	Northampton	8	SR1267	From SR 1265 to Cul de Sac	1	2	2WU	NO	NO	0.27	18					266		18	
1CR.20661.80	Northampton	9	SR1601	From SR 1216 to Cul de Sac	1	2	2WU	NO	NO	0.7	18					590		40	
1CR.20661.81	Northampton	10	SR1602	From SR 1603 to Cul de Sac	1	2	2WU	NO	NO	0.15	18					148		10	
1CR.20661.82	Northampton	11	SR1603	From SR 1601 to Cul de Sac	1	2	2WU	NO	NO	0.35	20					340		23	
1CR.20661.83	Northampton	12	SR1279	From SR 1252 to SR 1280	1	2	2WU	NO	NO	0.13	18					114		8	
1CR.20661.84	Northampton	13	SR1280	From Cul de Sac to Cul de Sac	1	2	2WU	NO	NO	0.23	18					211		14	
1CR.20661.85	Northampton	14	SR1604	From NC 46 to End of Pavement	3	2	2WU	NO	NO	1.04	24.5		14,948		1,465			88	
<b>GRAND TOTAL</b>										<b>11.81</b>		<b>40</b>	<b>14,948</b>	<b>941</b>	<b>3,627</b>	<b>8,091</b>	<b>691</b>	<b>848</b>	<b>40</b>

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	GENERIC TRAFFIC ITEM TEMPORARY TRAFFIC CONTROL LS	GENERIC SIGNING ITEM WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	4" WHITE PAINT LF	4" YELLOW PAINT LF
1CR.20081.63	Bertie	1	SR1344	From SR 1346 to End of Pavement	1	2	2WU	NO	NO	1.87	18	0.16	94.48	40,242	24,684
1CR.20081.64	Bertie	2	SR1312	From SR 1001 to SR 1307	1	2	2WU	NO	NO	2.33	20	0.19	94.48	50,142	30,756
1CR.20461.51	Hertford	3	SR1424	From SR 1409 to SR 1423	1	2	2WU	NO	NO	1.27	20	0.14	94.48	27,330	16,764
1CR.20461.52	Hertford	4	SR1108	From NC 461 to NC 11 (Northward)	2	2	2WU	NO	NO	1.85	20.5	0.16	94.48	39,812	24,420
1CR.20661.76	Northampton	5	SR1216	From SR 1214 to SR 1601	1	2	2WU	NO	NO	1.14	20	0.10	94.48	24,533	15,048
1CR.20661.77	Northampton	6	SR1265	From SR 1216 to Cul de Sac	1	2	2WU	NO	NO	0.31	18	0.04	94.48		4,092
1CR.20661.78	Northampton	7	SR1266	From SR 1265 to Cul de Sac	1	2	2WU	NO	NO	0.17	18	0.01	94.48		2,244
1CR.20661.79	Northampton	8	SR1267	From SR 1265 to Cul de Sac	1	2	2WU	NO	NO	0.27	18	0.02	94.48		3,564
1CR.20661.80	Northampton	9	SR1601	From SR 1216 to Cul de Sac	1	2	2WU	NO	NO	0.7	18	0.06	94.48	15,064	9,240
1CR.20661.81	Northampton	10	SR1602	From SR 1603 to Cul de Sac	1	2	2WU	NO	NO	0.15	18	0.01	94.48		1,980
1CR.20661.82	Northampton	11	SR1603	From SR 1601 to Cul de Sac	1	2	2WU	NO	NO	0.35	20	0.03	94.48		4,620
1CR.20661.83	Northampton	12	SR1279	From SR 1252 to SR 1280	1	2	2WU	NO	NO	0.13	18	0.01	94.48		1,716
1CR.20661.84	Northampton	13	SR1280	From Cul de Sac to Cul de Sac	1	2	2WU	NO	NO	0.23	18	0.02	94.48		3,036
1CR.20661.85	Northampton	14	SR1604	From NC 46 to End of Pavement	3	2	2WU	NO	NO	1.04	24.5	0.09	94.48	22,381	13,728
<b>PROJECT TOTAL</b>										<b>11.81</b>		<b>1</b>	<b>1332.72</b>	<b>219504</b>	<b>155892</b>
<b>GRAND TOTAL</b>										<b>11.81</b>		<b>1</b>	<b>1,322.72</b>	<b>375,396</b>	



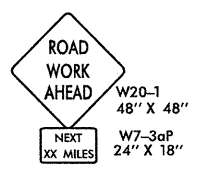


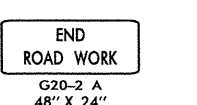


## SIGNING FOR RESURFACING PROJECTS

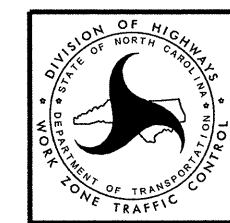


LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">1</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">2</div> </div>		<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>
3		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>
4		<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>
5		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>
		<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> <div style="text-align: center;">  <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;">  <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>



**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**

25-JUN-2013 10:28  
 \\DOT\OFFSRO01\GROUPS-WZ\TCCC\TMU\WZTC\Resurfacing\2013Easter\2013.DIV\01\203416A-N-RW\Herrford, Northampton, Bertie\_SRs\_mid\_sb\Documents out\Resurfacing\_AdvWarn\_2Ln.dgn  
 sb\lenings AT 1E266818