

09/08/09

**WBS NO: 3CR.20671.136**

**CONTRACT:**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

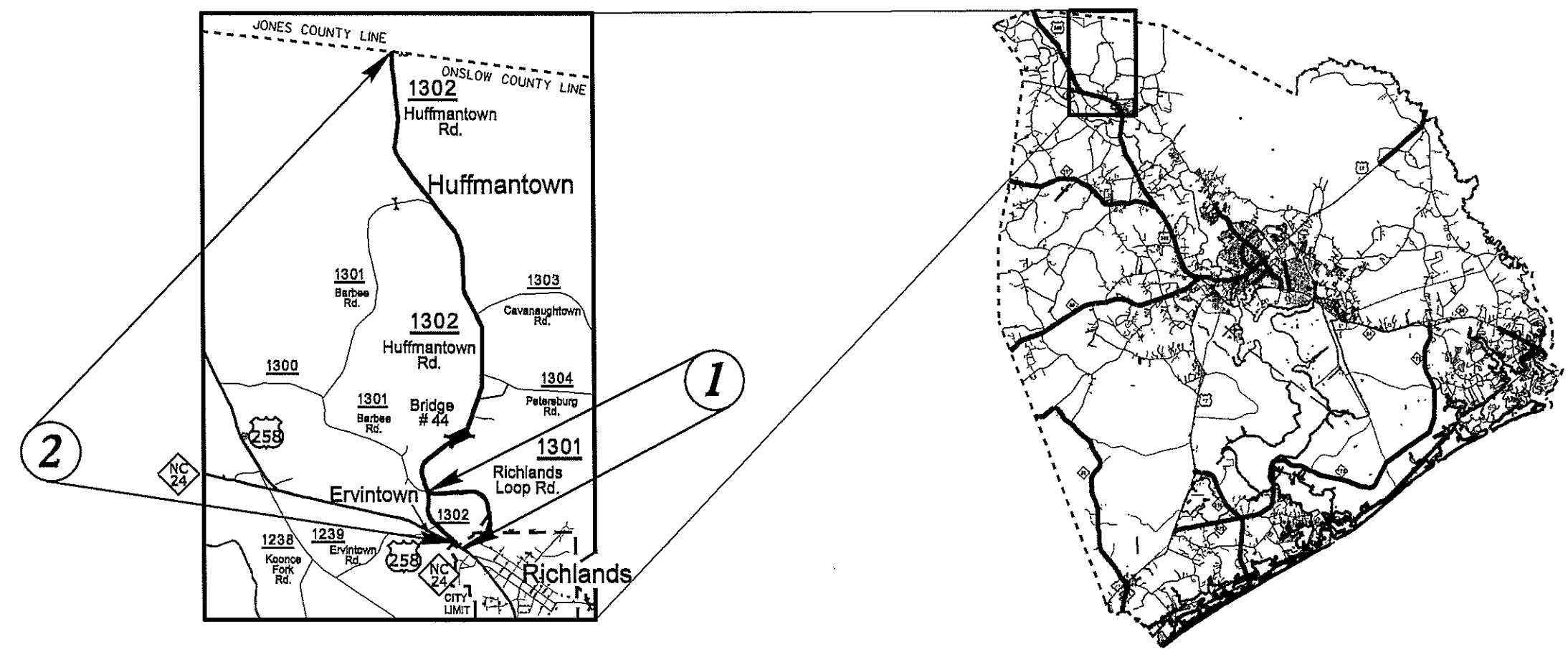
**ONslow COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	3CR.20671.136	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



**LOCATION: SR 1301 (RAND ST./RICHLANDS LOOP RD.) FROM SR 1302 (HUFFMANTOWN RD.) TO US 258 /NC 24 AND SR 1302 (HUFFMANTOWN RD.) FROM THE ONSLOW/JONES COUNTY LINE TO 0.17 MI. FROM US 258 /NC 24**

**DESCRIPTION: LATEX MODIFIED MICROSURFACING TYPE II & III, PAINT PAVEMENT MARKINGS & PERMANENT RAISED PAVEMENT MARKERS**



NOT TO SCALE

**3CR.20671.136 PROJECT LENGTH**

MAP NO. 1 = 1.26 MI.  
MAP NO. 2 = 5.43 MI.

**TOTAL = 6.69 MI.**

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
5501 Barbados Blvd., Castle Hayne, NC 28429

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:  
SEPTEMBER 6, 2012

HYDRAULICS ENGINEER

SIGNATURE: \_\_\_\_\_ P.E.

ROADWAY DESIGN TECHNICIAN

SIGNATURE: \_\_\_\_\_ MPK

SIGNATURE: \_\_\_\_\_ KLS

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

22-AUG-2012 09:51 R:\RDY\DONE\ONslow\MICROSURFACE\_POC\_3CR.20671.136\ROADWAY\ProJ\3CR.20671.136\_Rdy\_1st\_2012.dgn mkImmel AT D3CAD257156

INDEX OF SHEETS	
SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS AND GENERAL NOTES
1-B	CONVENTIONAL SYMBOLS
2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
3 & 3A	SUMMARY OF QUANTITIES

GENERAL NOTES:

2012 SPECIFICATIONS  
EFFECTIVE: 01-17-12  
REVISED: 11/01/11

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

# CONVENTIONAL PLAN SHEET SYMBOLS

## BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Property Corner	-----
Property Monument	□
Parcel/Sequence Number	⑫③
Existing Fence Line	-----
Proposed Woven Wire Fence	-----
Proposed Chain Link Fence	-----
Proposed Barbed Wire Fence	-----
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Known Soil Contamination: Area or Site	☠
Potential Soil Contamination: Area or Site	☠

## BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	⊕
Church	⊕
Dam	⊕

## HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	-----
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	-----
Disappearing Stream	-----
Spring	-----
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	-----

## RAILROADS:

Standard Gauge	-----
RR Signal Milepost	-----
Switch	-----
RR Abandoned	-----
RR Dismantled	-----

## RIGHT OF WAY:

Baseline Control Point	-----
Existing Right of Way Marker	-----
Existing Right of Way Line	-----
Proposed Right of Way Line	-----
Proposed Right of Way Line with Iron Pin and Cap Marker	-----
Proposed Right of Way Line with Concrete or Granite Marker	-----
Existing Control of Access	-----
Proposed Control of Access	-----
Existing Easement Line	-----
Proposed Temporary Construction Easement	-----
Proposed Temporary Drainage Easement	-----
Proposed Permanent Drainage Easement	-----
Proposed Permanent Drainage / Utility Easement	-----
Proposed Permanent Utility Easement	-----
Proposed Temporary Utility Easement	-----
Proposed Aerial Utility Easement	-----
Proposed Permanent Easement with Iron Pin and Cap Marker	-----

## ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	-----
Pavement Removal	-----

## VEGETATION:

Single Tree	-----
Single Shrub	-----
Hedge	-----
Woods Line	-----

Orchard	-----
Vineyard	-----

## EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

## UTILITIES:

POWER:	
Existing Power Pole	-----
Proposed Power Pole	-----
Existing Joint Use Pole	-----
Proposed Joint Use Pole	-----
Power Manhole	-----
Power Line Tower	-----
Power Transformer	-----
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
Recorded U/G Power Line	-----
Designated U/G Power Line (S.U.E.*)	-----

## TELEPHONE:

Existing Telephone Pole	-----
Proposed Telephone Pole	-----
Telephone Manhole	-----
Telephone Booth	-----
Telephone Pedestal	-----
Telephone Cell Tower	-----
U/G Telephone Cable Hand Hole	-----
Recorded U/G Telephone Cable	-----
Designated U/G Telephone Cable (S.U.E.*)	-----
Recorded U/G Telephone Conduit	-----
Designated U/G Telephone Conduit (S.U.E.*)	-----
Recorded U/G Fiber Optics Cable	-----
Designated U/G Fiber Optics Cable (S.U.E.*)	-----

## WATER:

Water Manhole	-----
Water Meter	-----
Water Valve	-----
Water Hydrant	-----
Recorded U/G Water Line	-----
Designated U/G Water Line (S.U.E.*)	-----
Above Ground Water Line	-----

## TV:

TV Satellite Dish	-----
TV Pedestal	-----
TV Tower	-----
U/G TV Cable Hand Hole	-----
Recorded U/G TV Cable	-----
Designated U/G TV Cable (S.U.E.*)	-----
Recorded U/G Fiber Optic Cable	-----
Designated U/G Fiber Optic Cable (S.U.E.*)	-----

## GAS:

Gas Valve	-----
Gas Meter	-----
Recorded U/G Gas Line	-----
Designated U/G Gas Line (S.U.E.*)	-----
Above Ground Gas Line	-----

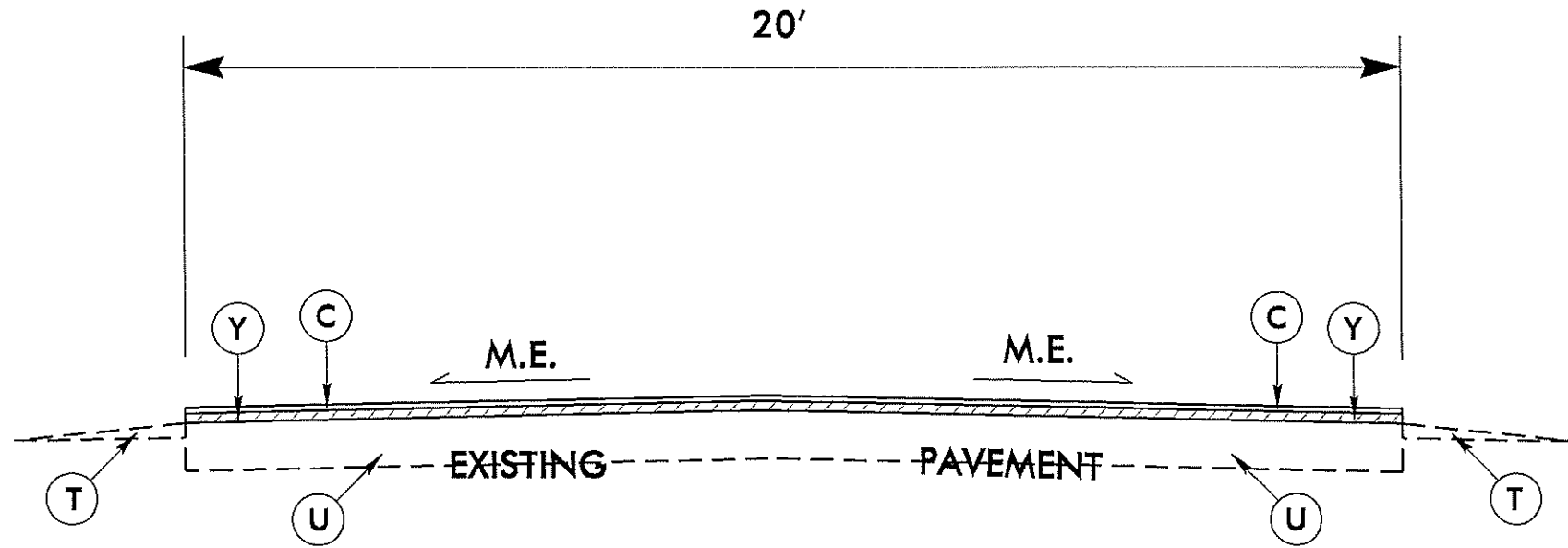
## SANITARY SEWER:

Sanitary Sewer Manhole	-----
Sanitary Sewer Cleanout	-----
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
Recorded SS Forced Main Line	-----
Designated SS Forced Main Line (S.U.E.*)	-----

## MISCELLANEOUS:

Utility Pole	-----
Utility Pole with Base	-----
Utility Located Object	-----
Utility Traffic Signal Box	-----
Utility Unknown U/G Line	-----
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	-----
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	-----
U/G Test Hole (S.U.E.*)	-----
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

B.17.99  
 REVISIONS  
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**TYPICAL SECTION NO. 1**

**MAP NO. 1**  
 SR 1301 (RAND ST./RICHLANDS LOOP RD.)  
 MP 4.28 TO MP 5.54

**MAP NO. 2**  
 SR 1302 (HUFFMANTOWN RD.)  
 MP 0.00 TO MP 5.43

PAVEMENT SCHEDULE	
<b>C</b>	PROP. LATEX MODIFIED MICRO-SURFACING, TYPE II 16 TO 18 LBS. PER SQ.YD.
<b>Y</b>	PROP. LATEX MODIFIED MICRO-SURFACING, TYPE III 22 TO 24 LBS. PER SQ.YD.
<b>T</b>	EXISTING EARTH MATERIAL
<b>U</b>	EXISTING PAVEMENT.

M.E. = MATCH EXISTING

PROJECT NO.	SHEET NO.	TOTAL NO.
3CR.20671.136	3	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INC. STONE BASE TONS	LATEX MODIFIED MICRO-SURFACING, TYPE III SY	LATEX MODIFIED MICRO-SURFACING, TYPE II SY
3CR.20671.136	Onslow	1	SR 1301 (RAND ST./RICHLANDS LOOP RD.)	MICROSURFACING FROM SR 1302 (HUFFMANTOWN RD.) TO US 258 / NC24 MP 4.28 TO MP 5.54	1	NO	1.26	20	20	16,256	16,256
TOTAL FOR MAP NO. 1							1.26		20	16,256	16,256
3CR.20671.136	Onslow	2	SR 1302 (HUFFMANTOWN RD.)	MICROSURFACING FROM ONSLOW/JONES COUNTY LINE TO US 258 / NC 24 MP 0.00 TO MP 5.43	1	NO	5.43	20	80	70,065	70,065
TOTAL FOR MAP NO. 2							5.43		80	70,065	70,065
TOTAL FOR PROJ NO. 3CR.20671.136							6.69		100	86,321	86,321
GRAND TOTAL							6.69		100	86,321	86,321

PROJECT NO.	SHEET NO.	TOTAL NO.
3CR.20671.136	3-A	

**THERMOPLASTIC AND PAINT QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4810000000-E		4900000000-N
							4" WHITE PAINT LF	4" YELLOW PAINT LF	PERMANENT RAISED PAVEMENT MARKERS (Y/Y) EA
3CR.20671.136	Onslow	1	SR 1301 (RAND ST./RICHLANDS LOOP RD.)	MICROSURFACING FROM SR 1302 (HUFFMANTOWN RD.) TO US 258 / NC24 MP 4.28 TO MP 5.54	1.26	20	26,600	26,600	83
TOTAL FOR MAP NO. 1					1.26		26,600	26,600	83
3CR.20671.136	Onslow	2	SR 1302 (HUFFMANTOWN RD.)	MICROSURFACING FROM ONSLOW/JONES COUNTY LINE TO US 258 / NC 24 MP 0.00 TO MP 5.43	5.43	20	114,652	114,652	358
TOTAL FOR MAP NO. 2					5.43		114,652	114,652	358
TOTAL FOR PROJ NO. 3CR.20671.136					6.69		141,252	141,252	441
							282,504		
GRAND TOTAL					6.69		141,252	141,252	441
							282,504		