



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

October 26, 2023

**Addendum No. 1**

Contract No.: DA00576

WBS Element: 2024CPT.01.12.20082, ETC.

*Microsurfacing & Pavement Markings on Various Sections of Secondary Routes in Bertie, Camden, Hyde, Tyrrell, & Washington Counties*

To Whom It May Concern:

Reference is made to the proposal and plans previously furnished for this project.

The following revisions have been made to the proposal and plans:


Pages 40A – 40B “Hot Spray Thermoplastic Pavement Marking Lines” have been included. Please insert Pages 40A – 40B “Hot Spray Thermoplastic Pavement Marking Lines” in the appropriate location.

Pages 75 - 76 “Bid Form” have been revised. Please note that the quantity for Line Item #10 “Pavement Marking Lines (4”) has been increased, the quantity for Line Item #14 “Removal of Pavement Marking Lines (4”) has been increased and Line Item #18 “Generic Pavement Marking Item – Hot Spray Thermoplastic Pavement Marking Lines, (4”,55 MILS), has been included. Please replace the original Pages 75 - 76 “Bid Form” with the attached revised Pages 75 - 76 “Bid Form”.

Plan Sheet No. 1 “Title Sheet #1” has been revised to remove the reference to “Asphalt Surface Treatment”. Please replace the original Plan Sheet No. 1 “Title Sheet #1” with the attached revised Plan Sheet No. 1 “Title Sheet #1”.

Plan Sheet No. 9 “Summary of Quantities” has been revised. Please note that the quantity for “Pavement Marking Lines (4”) has been increased, the quantity for “Removal of Pavement Marking Lines (4”) has been increased and “Generic Pavement Marking Item – Hot Spray Thermoplastic Pavement Marking Lines, (4”,55 MILS), has been included. Please replace the original Plan Sheet No. 9 “Summary of Quantities” with the attached revised Plan Sheet No. 9 “Summary of Quantities”.

Sincerely,

DocuSigned by:  
  
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C. E. Slachta  
Division Planning Engineer

Cc: C. W. Bridgers, Jr., PE  
R. K. Sawyer, PE  
R. W. Midgett, PE  
M. B Gill, PE  
B. N. Braswell, PE  
D. B. Otts, PE  
M. R. Hill, PE  
C. A. Spear, PE  
E. S. Sedlacek  
A. L. Mulder  
J. W. Hoadley  
M. Proctor



DocuSigned by:  
Matthew V. Springer, PE  
BC60F6E8B584403...  
04/05/2022

## **HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES:**

(12-01-20) Rev. 04/05/22

### **Description**

This special provision covers machine applied “hot spray” thermoplastic pavement marking material with both incorporated reflective media.

General, Color, Packing for Shipment, Storage, Materials, Construction Methods, Maintenance, Method of Measurement, and Basis of Payment shall be as described in Section 1087 and Section 1205 of the *Standard Specifications*, with the exceptions as shown below:

Revise the *2018 Standard Specifications* as follows:

**Page 10-182, Subarticle 1087-4(C) Gradation & Roundness**, lines 15-17, replace this subarticle with the following:

The reflective media used in all pavement marking shall be used according to the manufacturer’s recommendations in order to meet the retroreflectivity requirements as stated in Subarticles 1205-4(C) and 1205-4(D) as measured by any Department approved 30-meter geometry retroreflectivity device.

The reflective media shall be capable of flowing freely through dispensing equipment in any weather suitable for marking the pavement.

**Page 12-1, Subarticle 1205-2(B) Material Qualification**, line 9, add the following:

All “hot spray” thermoplastic manufacturers must be prequalified. In order to be prequalified, all “hot spray” Thermoplastic Pavement Marking manufacturers must have their material installed on the NTPEP test deck.

**Page 12-6, Subarticle 1205-4(A) Application Equipment**, delete lines 28-30, add the following:

Handliners shall not be allowed.

Use application equipment that provides multiple width settings ranging from 4” to 12” and multiple thickness settings to achieve a minimum 50 mil thickness in one pass.

**Page 12-7, Subarticle 1205-4(C) Application**, lines 2-5, delete the first paragraph and replace with the following:

All thermoplastic markings shall be of the hot, machine applied type. Application shall be accomplished by spraying methods only.

**Page 12-7, Subarticle 1205-4(C) Application**, lines 30-31, delete the last paragraph and replace with the following:

Produce a cross-sectional thickness of hot spray thermoplastic markings for long line markings only with a minimum thickness of 50 mils without reflective media or a minimum thickness of 55 mils with reflective media.

Extruded type thermoplastic shall not be sprayed.

The cross-sectional thickness of all “hot sprayed” thermoplastic markings above the surface of the existing pavement shall be no more than 60 mils.

The manufacturer of that material shall certify that the Contractor is trained to place the material. At least one member of each crew working on this project shall have completed this training. The Contractor shall furnish the Engineer written confirmation of this training from the material manufacturer prior to beginning the work.

If the hot sprayed thermoplastic is to be placed over milled-in rumble strips, the Contractor shall ensure that all debris is removed after milling and the surface is thoroughly cleaned to ensure optimum adhesion between the surface and the hot sprayed thermoplastic.

**Page 12-12, Article 1205-10 Measurement and Payment**, replace this article with the following:

Hot Spray Thermoplastic Pavement Marking Line, \_\_ (width), \_\_ (thickness) will be measured and paid as the actual number of linear feet of pavement marking lines satisfactorily placed and accepted by the Engineer. The quantity of solid lines will be the summation of the linear feet of solid line measured end-to-end of the line. The quantity of skip or broken lines will be the summation of the linear feet derived by multiplying the nominal length of a line by the number of marking lines satisfactorily placed. Such prices and payment will be full compensation for all work covered by this section including, but not limited to, furnishing, surface preparation, reapplication of molten pavement marking crossed by a vehicle, and removal of all pavement marking materials spilled on the roadway surface.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Hot Spray Thermoplastic Pavement Marking Lines, __, __	Linear Foot

County: BERTIE, CAMDEN, HYDE, TYRRELL, WASHINGTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	1891000000-E	SP	GENERIC PAVING ITEM LATEX MODIFIED MICROSURFACING TYPE II (18-22 LBS.)	126,966 SY		
0003	2830000000-N	858	ADJUSTMENT OF MANHOLES	1 EA		
0004	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	3 EA		
0005	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	3,860 SF		
0006	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0007	4704000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS)	40 LF		
0008	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	30 LF		
0009	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	2 EA		
0010	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	230,242 LF		
0011	4830000000-E	1205	PAINT PAVEMENT MARKING LINES (16")	40 LF		
0012	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	30 LF		
0013	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	2 EA		
0014	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	109,032 LF		
0015	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	30 LF		
0016	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	2 EA		
0017	4891000000-E	1205	GENERIC PAVEMENT MARKING ITEM REMOVAL OF PAVEMENT MARKING LINES (16")	40 LF		

County: BERTIE, CAMDEN, HYDE, TYRRELL, WASHINGTON

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (4", 55 MILS)	109,032 LF		

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0848/Oct26/Q579354/D74260100000/E18

Total Amount Of Bid For Entire Project :

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WBS NO: 2024CPT.01.12.20082, ETC.

CONTRACT: DA00576

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

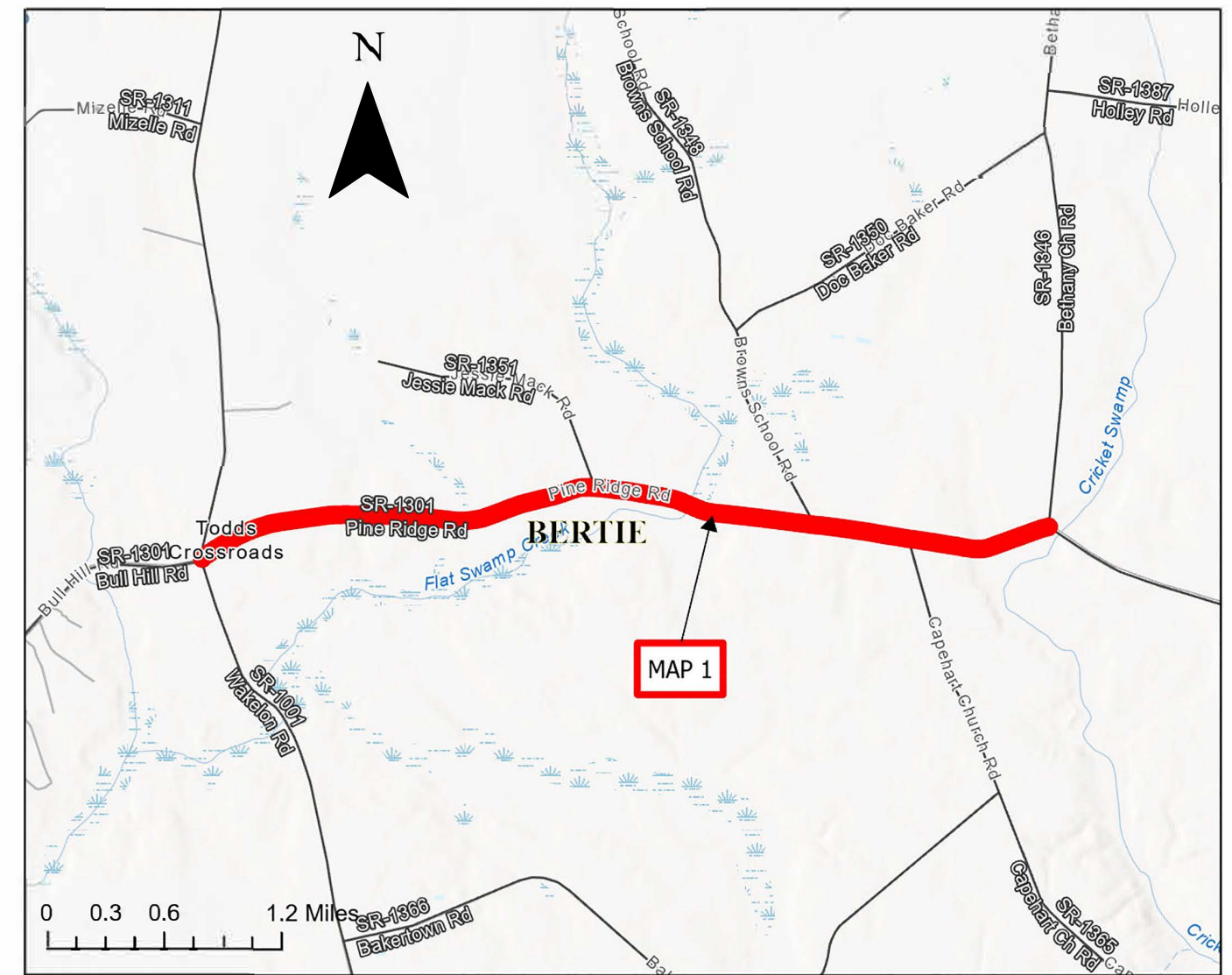
**BERTIE**

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2024CPT.01.12.20082, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION
2024CPT.01.12.20082, ETC.		P.E., CONST.
		P.E., CONST.
		P.E., CONST.
		P.E., CONST.

TYPE OF WORK: MICROSURFAC. & PAVEMENT MARKINGS

REVISED 10/26/2023

MAP	ROUTE	FROM	TO
01	SR 1301 (Pine Ridge Rd.)	SR 1001 (Wakelon Road)	SR 1346 (Bethany Church Rd)



**PROJECT LENGTH**

MAP	MILES
01	3.60

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 AIRPORT DR., EDENTON, NC 27932

**B. N. BRASWELL, PE**  
DIV. PROJ. DEVELOPMENT ENGINEER

**C. E. SLACHTA**  
DIVISION CONTRACT ENGINEER

**J. S. ABEL, JR.**  
DIVISION PROJECT TEAM LEAD

**D. H. STALLINGS**  
DIVISION DESIGN ENGINEER



REVISED 10/26/2023

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.01.12.20082, ETC.	9	

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4704000000-E	4709000000-E	4720000000-E	4810000000-E		4830000000-E	4835000000-E	4840000000-N	4850000000-E	4870000000-E	4875000000-N	4890000000-E		4891000000-E			
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	THERMOPLASTIC PAVEMENT MARKING LINES (16")	THERMO PAVEMENT MARKING LINES (24" 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (90 MILS), RXR	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (16")	PAINT PAVEMENT MARKING LINES (24")	PAINT PAVEMENT MARKING CHARACTER (MSG RXR)	REMOVAL OF PAVEMENT MARKING LINES (4")	REMOVAL OF PAVEMENT MARKING LINES (24")	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	GEN PAVEMENT MARKING ITEM, THERMO HOT SPRAY LINES (4" 55 MILS) WHITE	GEN PAVEMENT MARKING ITEM, THERMO HOT SPRAY LINES (4" 55 MILS) YELLOW	GEN PVMT MKG ITEM REMOVAL OF PAVEMENT MARKING LINES (16")			
								MI	FT	SF	LS	LF	LF	EA	LF	LF	LF	LF	EA	LF	LF	EA	LF	LFT	LF			
2024CPT.01.12.20082	Bertie	1	SR-1301 / PINE RIDGE RD	SR 1001 WAKELON ROAD TO SR 1346 BETHANY CHURCH ROAD	1	2	2WU	3.61	21	456	1					76,454	57,340			66,897								
<b>TOTAL FOR PROJ NO. 2024CPT.01.12.20082</b>								3.61		456	*					76,454	57,340			66,897			38,227	28,670				
															133,794						66,897				66,897			
2024CPT.01.12.20152	Camden	2	SR-1145 / BELCROSS RD	FROM RXR TRACKS @ US 158 TO SR 1136 (IVEY NECK ROAD)	1	2	2WU	2.28	20	248	*	40	30	2	48,154	36,116	40	30	2	42,135	30	2	24,077	18,058	40			
<b>TOTAL FOR PROJ NO. 2024CPT.01.12.20152</b>								2.28		248	*	40	30	2	48,154	36,116	40	30	2	42,135	30	2	24,077	18,058	40			
															84,270						42,135				42,135			
2024CPT.01.12.20482	Hyde	3	SR-1123 / ARCH RD	DEAD END TO SR 1121 JUNIPER BAY ROAD	1	2	2WU	0.41	18	108	*																	
2024CPT.01.12.20482	Hyde	4	SR-1130 / ACADEMY ST	NC 45 TO NC 94	1	2	2WU	0.33	16	216	*																	
2024CPT.01.12.20482	Hyde	5	SR-1131 / CHURCH ST	SR 1133 THIRD ST TO NC 94	1	2	2WU	0.15	16	264	*																	
2024CPT.01.12.20482	Hyde	6	SR-1131 / CHURCH ST	NC 45 TO NC 94	1	2	2WU	0.18	16	216	*																	
2024CPT.01.12.20482	Hyde	7	SR-1132 / SECOND ST	NC 45 TO SR 1131 CHURCH STREET	1	2	2WU	0.12	18	240	*																	
2024CPT.01.12.20482	Hyde	8	SR-1132 / SECOND ST	SR 1136 LANDING ROAD TO NC 45	1	2	2WU	0.09	18	216	*				200													
2024CPT.01.12.20482	Hyde	9	SR-1133 / THIRD ST	NC 45 TO SR 1131 CHURCH STREET	1	2	2WU	0.14	18	216	*																	
2024CPT.01.12.20482	Hyde	10	SR-1134 / PEARL ST	SR 1132 SECOND STREET TO NC 94	1	2	2WU	0.08	16	216	*																	
2024CPT.01.12.20482	Hyde	11	SR-1162 / RANSOME GREEN RD	SR 1124 QUARTER ROAD TO DEAD END	1	2	2WU	0.12	18	108	*																	
<b>TOTAL FOR PROJ NO. 2024CPT.01.12.20482</b>								1.62		1,800	*				200													
															200													
2024CPT.01.12.20892	Tyrrell	12	SR-1203 / COLONIAL BEACH RD	SR 1200 ALBEMARLE CHURCH ROAD TO EOM	1	2	2WU	0.69	20	132	*				7,424	4,554												
2024CPT.01.12.20892	Tyrrell	13	SR-1243 / SHILOH RD	SR 1221 NEWFOUNDLAND ROAD TO CDS	1	2	2WU	0.14	18	108	*																	
2024CPT.01.12.20892	Tyrrell	14	SR-1244 / VA-LEE BEACH RD	SR 1245 RHODES DRIVE TO SR 1209 SOUND SIDE ROAD	1	2	2WU	0.46	18	252	*																	
2024CPT.01.12.20892	Tyrrell	15	SR-1245 / RHODES DR	EOP TO SR 1244 VA-LEE BEACH ROAD	1	2	2WU	0.16	18	108	*																	
2024CPT.01.12.20892	Tyrrell	16	SR-1247 / OLD BEACH HOUSE RD	SR 1203 COLONIAL BEACH ROAD TO EOM	1	2	2WU	0.16	18	108	*																	
<b>TOTAL FOR PROJ NO. 2024CPT.01.12.20892</b>								1.61		708	*				7,424	4,554												
															11,978													
2024CPT.01.12.20942	Washington	17	SR-1144 / FURLOUGH RD	DEAD END TO SR 1143 MOUNT TABOR ROAD	1	2	2WU	0.3	18	108	*																	
2024CPT.01.12.20942	Washington	18	SR-1152 / WHITE RD	SR 1149 AMBROSE ROAD TO DEAD END	1	2	2WU	0.41	18	108	*																	
2024CPT.01.12.20942	Washington	19	SR-1154 / TARKINGTON RD	DEAD END TO SR 1148 AMBROSE ROAD	1	2	2WU	0.25	18	108	*																	
2024CPT.01.12.20942	Washington	20	SR-1157 / BURRIS RD	SR 1142 SPRUILL BRIDGE ROAD TO DEAD END	1	2	2WU	0.19	18	108	*																	
2024CPT.01.12.20942	Washington	21	SR-1185 / PUDDING RD	CDS TO SR 1155 CHERRY ROAD	1	2	2WU	0.12	18	108	*																	
2024CPT.01.12.20942	Washington	22	SR-1305 / LITCHFIELD RD	DEAD END TO SR 1303 DAVENPORT FORKS ROAD	1	2	2WU	0.4	18	108	*																	
<b>TOTAL FOR PROJ NO. 2024CPT.01.12.20942</b>								1.67		648	*																	
															648													
<b>GRAND TOTAL</b>								10.79		3,860	1	40	30	2	132,232	98,010	40	30	2	109,032	30	2	62,304	46,728	40			
															230,242						109,032				109,032			