



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

July 14, 2009

**Addendum No. 1**

RE: Contract ID: C202359

WBS# 45076.3.ST1

F.A. # STM-0064(125)

**Dare County (B-5181)**

Bridge No. 9 Over The Croatan Sound On US-64

**July 21, 2009 Letting**

To Whom It May Concern:

Reference is made to proposal recently furnished to you on this project.

The following revisions have been made to the proposal:

On Page No. 25 the second paragraph under "3.0 Materials" has been revised to add a web address. Also on Page No. 25 under "3.0 Materials" a new sub-section "3.1 Requirements for Suitable Caulking" has been added. Please void Page No. 25 in your proposal and staple the revised Page No. 25 and new Page No. 25-A thereto.

On Page No. 29, the project special provision entitled "Coast Guard Notification" has been added. Please void Page No. 29 in your proposal and staple the revised Page No. 29 thereto.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Garris".

R. A. Garris, PE  
Contract Officer

RAG/jag  
Attachments

cc: Mr. J.G Nance, PE  
Mr. Ron Hancock, PE  
Mr. J. D. Jennings, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J.V. Barbour, PE  
Mr. Mark Staley  
Project File (2)

Mr. Robert Memory  
Mr. R. E. Davenport, Jr., PE  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Ms. Marsha Sample  
Ms. Norma Smith  
Ms. Lori Strickland

the drying and curing period of the paint. During adverse weather, use enclosures that control atmospheric conditions artificially inside within limits suitable for painting during the painting operation and until each coat of paint is cured or until weather conditions permit its exposure in the open.

For the span(s) of girders over the boat channel, the original deck forms are present and will need to be cleaned to SSPC SP 2 standard and apply a coat of Epoxy Mastic Aluminum or such suitable coating approved by the Engineer. All steel to steel contact in this area will be sealed with a suitable caulking

Should the contractor elect to apply Organic Zinc Primer at or below 50 F the recoat window shall be a minimum of 24 hours or as necessary for the solvent to fully evaporate from the coating.

No application of acrylic coats (intermediate, stripe or top) shall be applied when the air or substrate is below 50 F.

### **3.0 MATERIALS:**

All **Organic Zinc-Rich** coatings submitted for use shall be evaluated for performance through the National Transportation Product Evaluation program (NTPEP) for Structural Steel Coatings as part of a Coating System that appears on one of the North East Protective Coatings Committee's (NEPCOAT) Qualified Products Lists. Submission of products through AASHTO/NTPEP is a continuous process and manufacturers may submit systems at any time. Prior to the start of work, a 1 quart unmixed sample kit (including the zinc dust) of the Organic Zinc Primer shall be sent to the Materials and Tests Unit for verification testing.

Only paint suppliers that have a NCDOT qualified inorganic zinc primer may furnish paints for this project. Choose a pre-qualified paint supplier from the list at this web address: <http://www.ncdot.org/doh/operations/materials/chemical/aproducts.html>. Only companies with a 4 listed under NCDOT Paints Furnished have approved inorganic Zinc Primers. All paints applied to a structure must be from the same supplier. Before any paints are applied the Contractor provides the Engineer a manufacturer's certification that each batch of paint meets the requirements of the applicable Section 1080 of NCDOT's Standard Specifications.

The inspector randomly collects a one quart sample of each paint product used on the project. Additional samples may be collected as needed to verify compliance to the specifications.

### **3.1 REQUIREMENTS FOR SUITABLE CAULKING**

**Submit for approval to Division 1, Engineer of Record and Materials & Tests Unit, Chemical Testing Engineer.**

#### **A. APPROVAL**

1. Manufacturer's letter certifying the Caulking Compound supplied to the project will meet or exceed Department expectations and will be adequate for the intended use.

2. Contractor shall submit for approval necessary paperwork at a minimum of 7 working days prior to Pre-Construction Meeting:
  - Product data sheet
  - MSDS sheet
  - Letter from paint manufacturer stating caulking material is suitable and compatible with the type and brand of paint being used on the project.
3. Show typical markings on the packaging and any date markings.
4. Provide application instructions and temperature limitations.
5. State effective product life.

**B. WORK SEQUENCE**

Contractor shall apply suitable caulking in accordance to the manufacturer's product data sheet. In no case shall caulking be applied to moist, damp or frost bearing surfaces or if temperature will fall below freezing for more than 48 hours.

Suitable caulking shall be applied to all steel to steel contract surfaces after application of the primer coat.

**C. ACCEPTANCE BY DEPARTMENT**

The Engineer of Record & Chemical Testing Engineer will review the manufacturer's submittal for compliance with specification requirements.

**D. FIELD DOCUMENTATION REQUIREMENTS**

Accepted suitable caulking products will be accepted if they can be identified in the field by manufacturer name and (if applicable) brand name.

**4.0 INSPECTION:**

Quality Assurance Inspection - The Contractor furnishes all necessary apparatus such as ladders, scaffolds and platforms as required for the inspector to have reasonable and safe access to all parts of the work. The contractor illuminates the surfaces to be inspected to a minimum of 50-foot candles of light.

Contractor must insure that chloride levels on the surfaces prior to each coat of paint are below 7 PPM using an acceptable sample method in accordance with SSPC Guide 15. The frequency

**NOTE TO CONTRACTOR:**

The Contractor shall be responsible for returning any disturbed areas back to its original condition. This work may include, but will not be limited to, grading, seeding and mulching, etc. All materials and labor necessary to perform the above mentioned work will be considered incidental to the various contract items and no direct payment will be made for these activities.

**PAINT SAMPLING AND TESTING:**

(8-15-06)

SP10 R45

Revise the *2006 Standard Specifications* as follows:

**Page 10-190, Article 1080-4,** Delete the first paragraph and replace with the following:

All paint will be sampled, either at the point of manufacture or at the point of destination. Inspection and sampling will be performed at the point of manufacture wherever possible. The Contractor shall not begin painting until the analysis of the paint has been performed, and the paint has been accepted.

**CHANGEABLE MESSAGE SIGNS:**

(11-21-06)

SP11 R11

Revise the *2006 Standard Specifications* as follows:

**Page 11-9, Article 1120-3,** Replace the 3rd sentence with the following:

Sign operator will adjust flash rate so that no more than two messages will be displayed and be legible to a driver when approaching the sign at the posted speed.

**COAST GUARD NOTIFICATION:**

The Contractor will not be allowed to begin any work associated with the channel span until a proposed work plan has been approved by the United States Coast Guard. The Contractor shall submit his proposed work plan to the Resident Engineer for forwarding to the Coast Guard for approval. These plans shall be submitted to the Engineer a minimum of two (2) months prior to the date the Contractor plans on beginning his operations in the channel span. The proposed work plan shall detail the change in vertical clearance for the channel span during the Contractor's time of operation in this area; detail the work to be performed and how said work will be performed; detail schedules (including begin and end dates) for work on the channel span; and any other information that will help describe the work to the Coast Guard and assist in putting together the required Notice to Mariners that will be broadcast during the channel span work.