



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 8, 2010

Addendum No. 1

RE: Contract ID: C202539
WBS# 36727.3.14
F.A. # BRNHS-000S(370)
New Hanover County (B-4700M)
US-17/74/76 Across The Cape Fear River

January 19, 2010 Letting

To Whom It May Concern:

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

The following revisions have been made to the proposal:

On Page No. 22 the project special provision entitled "Note To Contractor-Signs To Be Retained" has been added. Please void Page No. 22 in your proposal and staple the revised Page No. 22 thereto.

On Page No. 38 changes were made to section "1.0 Preparation of Surfaces". Please void Page No. 38 in your proposal and staple the revised Page No. 38 thereto.

On Page No. 41 a change was made to the second paragraph under section "4.0 Inspection". Please void Page No. 41 in your proposal and staple the revised Page No. 41 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. H. A. Pope, PE
Ms. D. M. Barbour, PE
Mr. Art McMillan, PE
Mr. J.V. Barbour, PE
Ms. Lori Strickland

Mr. Rick Nelson, PE
Mr. R. E. Davenport, Jr., PE
Mr. Ronnie Higgins
Mr. Larry Strickland
Ms. Marsha Sample
Ms. Norma Smith
Project File (2)

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128
FAX: 919-250-4119
WEBSITE: WWW.NCDOT.ORG

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC

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.

COORDINATION OF LIGHTING WORK:

(7-1-95)

SP14 R01

Complete the required work as described in the contract, so that lighting is maintained for all areas shown on the plans by either the existing or the proposed lights.

Use care in working around the lights and circuitry and phase operations so that the lighting systems will not be disrupted. Make repairs or replacements in conformance with the contract. Should the Contractor fail to make such repairs within the time allowed, the Department will cause the necessary repairs to be made by others. The costs of such repairs will be deducted from any monies due the Contractor on the next subsequent monthly or final payment.

NOTE TO CONTRACTOR-SIGNS TO BE RETAINED:

All signs with highway route designations used for signing the detour route for this project shall become the property of the Department at the completion of this project.

Internet: www.wastenotnc.org

At the time of shipping the Engineer will sign, date and add the TWDIN in the appropriate section on the manifest. The cost for waste disposal (including any lab fees) is included in the bid price for this contract. Note NC Hazardous Waste Management Rules (15A NCAC 13A) for more information.

Equipment Mobilization - The equipment used in any travel lanes and paved shoulder must be mobile equipment on wheels that has the ability to be moved on/off the roadway and **lift span** in less than 30 minutes. All work conducted in travel lanes must be from truck or trailer supported platforms and all equipment must be self propelled or attached to a tow vehicle at all times.

SUBLETTING OF CONTRACT:

Only contractors certified to meet SSPC QP-2, Category A, and have successfully completed lead paint removal on similar structures within 18 months prior to this bid are qualified for this work. Work is only sublet by approval of the Engineer.

SPECIFICATIONS:

The North Carolina Department of Transportation (NCDOT) Standard Specifications for Roads and Structures dated July 1, 2006, together with these Special Provisions apply to this project. Surface preparation and painting are performed in accordance with Section 442 except where otherwise noted in these Special Provisions. The Paint materials must meet the applicable materials specifications under Section 1080. Materials approvals are in accordance with 4.0 Materials of this Special Provision.

1.0 PREPARATION OF SURFACES:

- 1.1 Power wash all surfaces before any other surface preparation is conducted. All surfaces shall be power washed to remove dust, salts, and other contaminants, except for exterior surfaces consisting of siding such as the towers, control house and machinery galleries, etc. a low pressure wash shall be used. All wash water shall meet the requirements of NCDOT Managing Bridge Wash Water specification.
- 1.2 Surface preparation for surfaces behind and immediately adjacent to bridge operational items including electrical conduit, hydraulic hoses and other related areas shall be power washed with low pressure water, SP 1 followed by SP 10 with a minimum of 1.5 mil profile.
- 1.3 Blasting is done with recyclable steel grit meeting the requirements of Section 1080-15. The profile must be between 1.0 and 3.0 mils when measured on a smooth steel surface. Blasting abrasives used in cleaning operations shall meet the requirements of SSPC AB2 and SSPC AB3.
- 1.4 Before the contractor departs from the work site at the end of the work day, all debris generated during surface preparation are collected in approved containers.
- 1.5 The Contractor cleans a two square foot area at each structure to demonstrate the specified finish and the inspector preserves this area by covering it with tape, plastic or some other suitable means so that it can be retained as a site standard.

- Letter from paint manufacturer stating caulking material is suitable and compatible with the type and brand of paint being used on the project

 1. Show typical markings on the packaging and any date markings.
 2. Provide application instructions and temperature limitations.
 3. State effective product life

B. WORK SEQUENCE

Contractor shall apply suitable caulking in accordance 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 contact 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 (in 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 of testing shall be 1 test per 5000 square feet and 3 tests per tower prior to any work being performed on the towers.

NOTE- Contractor has the option to expose each layer of paint applied permitting proper curing to outside exposure. Random quality assurance testing of chloride levels will done to assure all layers of paint have acceptable chloride levels prior to the application of the next layer.

If contractor elects to use an approved organic zinc rich primer and is approved in accordance with "4.0 Materials" of this specification, verification of the cure of organic zinc rich primer shall be tested by the following:

ASTM D 3363- 2H
ASTM D 4541- 400 PSI

NCDOT reserves the right for ongoing QA (Quality Assurance) inspection to include but not limited to surface contamination testing, adhesion pull testing and DFT readings as necessary to assure quality.