



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PATRICK L. MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

January 11, 2013

Addendum No. 2

RE: Contract ID C203070

WBS # 3B.101011 (formally 17BP.3.H.4)

State Funded

Brunswick County

Bridge Preservation- Bridge #14 On NC-133 Over The Intracoastal Waterway

January 15, 2013 Letting

To Whom It May Concern:

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

The following revision has been made to the Proposal:

On Page No. 67 a revision has been made to the project special provision entitled "Post Tensioning Evaluation and Replacement Of Tendons" to clarify the method of non-destructive testing (NTD). Please void Page No. 67 in your proposal and staple the revised Page No. 67 thereto.

Sincerely,

R. A. Garris, PE
Contract Officer

RAG/jag
Attachment

cc: Mr. Ron Hancock, PE
Ms. Karen Fussell, PE
Ms. D. M. Barbour, PE
Mr. J. V. Barbour, PE
Mr. Ray Arnold, PE
Project File (2)

Mr. R.E. Davenport, PE
Ms. Natalie Roskam, PE
Mr. G. R. Perfetti, PE
Mr. Ronnie Higgins
Mr. Larry Strickland
Ms. Lori Strickland

1.0 BASIS OF PAYMENT

Payment for epoxy resin injection will be at the contract unit price per linear foot for "Epoxy Resin Injection". Such payment will be full compensation for all materials, tools, equipment, labor, and for all incidentals necessary to complete the work.

POST TENSIONING EVALUATION AND REPLACEMENT OF TENDONS

1.0 GENERAL

Per the "As-Built Plans", transverse post-tensioning is provided at the third points of the cored slab spans (Spans 1 through 28). As described below in Paragraphs 2.0 and 3.0, existing transverse post-tensioning tendons shall be evaluated and replaced at the direction of the Engineer.

2.0 POST TENSIONING TENDON EVALUATION

At the direction of the Engineer, remove the existing grout encasing the end anchorage of the transverse tendon and hammer sound the existing transverse post tensioning tendons. The Engineer will select which tendons are to be tested. The hammer sounding shall be performed in the presence of the Engineer.

If the Engineer directs that the existing tendon shall be replaced, tendon replacement can proceed as described below in Paragraph 3.0. Otherwise, fully remove existing grout from the recess at the end of the transverse tendon, then fill the recess with an approved non-metallic, non-shrink grout and cure for 3 days minimum and until the grout reaches a compressive strength of 3,000 psi.

3.0 POST TENSIONING TENDON REPLACEMENTS

At the direction of the Engineer, remove existing tendons and install new transverse tendons (use 0.6" diameter 7-wire high-strength low-relaxation strands). Grease the new transverse tendons and place in a non-corrosive 0.6" diameter, 1/16" minimum wall thickness black polyethylene pipe meeting ASTM D2239. Do not apply grease or extend the pipe in the area of the recesses at the ends of the tensioning strands where grout is applied. At the direction of the Engineer, and in accordance with the Standard Specifications, post-tension the transverse tendons to 28,900 lb. After tensioning the transverse tendons, fill the recesses at the ends of transverse tendons with an approved non-metallic, non-shrink grout and cure for 3 days minimum and until the grout reaches a compressive strength of 3,000 psi.

If both existing transverse tendons within a given cored slab span are to be replaced, replace one of the two tendons (as described above) before removing the second tendon from the span.