



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

April 2, 2008

**Addendum No. 1**

RE: Contract ID: C201786

WBS# 33269.2.2

F.A. # BRZ-1250(1)

**Burke County (B-3814)**

Bridge over Canoe Creek and Approaches on SR-1250

**April 15, 2008 Letting**

To Whom It May Concern:

Reference is made to the Structure / Wall plans and proposal form recently furnished to you on this project.

The following revisions have been made to the Structure / Wall plans:

On Sheet No. W-1 the quantity for the "Pile Panel Wall" has been revised. Please void Sheet No. W-1 in your plans and staple the revised Sheet No. W-1 thereto.

On Sheet Nos. W-5 and W-8 some Reinforcing Steel Bar lengths have been revised. Please void Sheet Nos. W-5 and W-8 in your plans and staple the revised Sheet Nos. W-5 and W-8 thereto.

The following revisions have been made to the proposal form:

On Page No. 98 a revision was made to the last sentence on this page within the Project Special Provision entitled "Gabion and Reno Mattress Retaining Wall". Please void page No. 98 in your proposal and staple the revised Page No. 98 thereto.

On Page No. 5 of the Item Sheets, by copy of this addendum, the quantity for line item "81-8802012000-E-SP Pile Panel Retaining Walls" is hereby reduced from 1,196 SF to 896 SF. The Contractor's bid must be based on the revised pay item quantity. The contract will be prepared accordingly.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
DESIGN SERVICES UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128  
FAX: 919-250-4119

WEBSITE: [WWW.NCDOT.ORG/](http://WWW.NCDOT.ORG/)

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

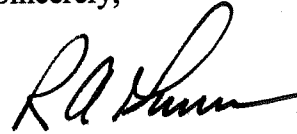
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RE: Contract ID: C201786

**Burke County (B-3814)**

The Expedite File has been updated to reflect this revision. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Garris". The signature is fluid and cursive, with a long horizontal stroke at the end.

R. A. Garris, PE  
Contract Officer

RAG/jag/blr  
Attachments

cc: Mr. W. S. Varnedoe, PE  
Mr. E. C. Powell, PE  
Mr. J. J. Swain, Jr., PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J. V. Barbour, PE  
Mr. Greg Perfetti, PE  
Mr. Njorge Wainaina, PE  
Mr. Mark Staley (2)  
Mr. Robert Memory  
Mr. R. E. Davenport, Jr., PE  
Ms. Norma Smith  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Project File (2)

**GABION AND RENO MATTRESS RETAINING WALL****(SPECIAL)****1.0 GENERAL****A. Description**

The work in this Special Provision governs the construction of the Gabion and Reno Mattress Retaining Wall in accordance with the details and dimensions shown on the plans and this special provision. The term Gabion and Reno Mattress is used generically in this special provision to refer to any proprietary system able to satisfy this special provision and the contract plans.

Gabions are baskets manufactured from 8x10 double twisted hexagonal woven steel wire mesh, as per ASTM A975-97. Gabions are filled with stones at the project site to form gravity retaining walls. The gabion is divided into cells by diaphragms positioned at approximately 3 foot (0.9 m) centers. To reinforce the structure, all mesh panel edges are selvedged with a wire having a greater diameter. The steel wire used in the manufacture of the Gabions is heavily zinc coated soft temper steel. A Polyvinyl Chloride Coating (PVC) coating is then applied to a nominal thickness of 0.02 inc. (0.50 mm) to provide additional protection.

The Reno mattress is a structure manufactured from 8x10 double twisted hexagonal woven steel mesh, as per ASTM A975-97. Reno mattresses are filled with stones at the project site to form the base of the retaining wall. The reno mattresses extend in front of the retaining wall providing flexible scour protection for the retaining wall. The mattresses are divided into cells by means of diaphragms. Typically, cells are 6 feet (1.9 m) wide by 3 feet (0.9 m) long. To reinforce the structure, all mesh panel edges are selvedged with a wire having a greater diameter. The steel wire used in the manufacture of Reno mattresses is heavily zinc coated, soft temper steel. A PVC coating is then applied to a nominal thickness of 0.02 inc. (0.50 mm) to provide additional protection.

Gabions and reno mattresses are manufactured and shipped with all components mechanically connected at the production facility.

**B. Work Experience**

Assign a field supervisor with experience on at least three (3) projects of similar scope to this project, completed over the past five (5) years. The on-site foreman must have completed three (3) projects within the last five (5) years involving Gabion and Reno mattress installations of similar scope and size. The Department may suspend the retaining wall construction work if the Contractor substitutes unqualified personnel and the Contractor shall be liable for additional costs resulting from the suspension.

Submit the above experience qualifications list and personnel list for approval by the Engineer prior to wall construction.