STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

February 6, 2009

Addendum No. 1
RE: Contract ID: C202070
WBS# 33582.3.1
F.A. # BRZ-1102(1)
Polk County (B-4239)
Bridge Over Pacolet River and Approaches
On SR-1102

February 17, 2009 Letting

To Whom It May Concern:

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

The following revision has been made to the proposal:

On Page No. 83 the first paragraph of Sub-Section "2.0 Submittals" of the project special provision entitled "Mechanically Stabilized Earth Retaining Walls" has been revised. Please void Page No. 83 in your proposal and staple the revised Page No. 83 thereto.

On Page No. 85 paragraph "B. MSE Wall Installation Submittal" has been deleted from the project special provision entitled "Mechanically Stabilized Earth Retaining Walls". Please void Page No. 85 in your proposal and staple the revised Page No. 85 thereto.

Sincerely,

R. A. Garris, PE
Contract Officer

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 27610

Contract ID: C202070
Polk County (B-4239)

RAG/jag

cc: Mr. J. G. Nance, PE
Mr. E. C. Powell, PE
Mr. J. B. Setzer, PE
Ms. D. M. Barbour, PE
Mr. Art McMillan, PE
Mr. J. V. Barbour, PE
Mr. Mark Staley (2)
Ms. Penny Higgins
Ms. Norma Smith
Project File (2)
Mr. Robert Memory
Mr. R. E. Davenport, Jr., PE
Mr. G. R. Perfetti, PE
Mr. Ronnie Higgins
Mr. Larry Strickland
Ms. Lori Strickland
Ms. Marsha Sample
Ms. Jaci Kincaid
Mr. Njoroge Wainaina, PE

Stabilized Earth Retaining Walls. Value engineering proposals for other MSE wall systems will not be considered. Obtain the NCDOT MSE wall policy and the list of approved MSE wall systems from:
http://www.ncdot.org/doh/preconstruct/highway/geotech/msewalls/

MSE wall systems with conditional approval are restricted to a design height of 20 ft (6.1 m) and an exposed face area of 5,000 ft^2 (465 m^2) per MSE wall. The design height is defined as the difference between where the finished grade elevation intersects the top and bottom of the MSE wall.

The conditional status of an MSE wall system will be reevaluated after satisfactorily completing a representative MSE wall that meets the following requirements.

- Design height exceeds 15 ft (4.6 m) for a horizontal distance of at least 150 ft (46 m) along the wall face
- Designed and constructed in accordance with this provision
- Movement monitored during construction to 3 months after wall is subject to surcharge loads or movement stops, whichever is longer, in accordance with the NCDOT MSE wall policy
- MSE wall system evaluation report submitted in accordance with the NCDOT MSE wall policy

When designing an MSE wall with a conditionally approved system, notify the Engineer if the MSE wall will meet the above requirements.

C. Temporary Shoring for Wall Construction

This provision is not applicable to "Temporary Shoring". If required, temporary shoring is addressed elsewhere in the Contract. "Temporary Shoring for Wall Construction" may be shown on the Retaining Wall Plans or proposed for MSE wall construction. When this occurs, submit temporary shoring for wall construction working drawings and design calculations with the MSE wall design submittal described below and design and construct the shoring in accordance with the requirements for temporary shoring.

2.0 SUBMITTALS

One submittal is required which includes the MSE wall design submittal. Provide 11 hard copies of working drawings and 3 hard copies of design calculations for the MSE wall design submittal. Also, submit an electronic copy (pdf or jpeg format on CD or DVD) of the submittal. Do not begin MSE wall construction until the submittal is accepted.

A. MSE Wall Design Submittal

The Retaining Wall Plans show plan views, typical sections, details, notes and elevation or profile views (wall envelope) for each MSE wall. When noted on plans and before

3.0 MATERIALS

A. Certifications, Storage and Handling

Provide certifications in accordance with Section 106-3 of the *Standard Specifications*. Provide Type 3 Manufacturer's Certifications for all MSE wall materials. For each geogrid product, provide Type 2 Typical Certified Mill Test Reports for tensile strength. For SRW blocks, provide Type 4 Certified Test Reports for all block properties with the exception of durability. When a note on plans requires freeze-thaw durable blocks, provide Type 5 Typical Certified Test Reports for durability.

Load, transport, unload and store MSE wall materials such that they are kept clean and free of damage. Damaged panels or blocks with excessive discoloration, chips or cracks as determined by the Engineer will be rejected. Do not damage reinforcement connection hardware or mechanisms in handling and storing panels or blocks. Label each pallet of blocks with the information listed in Article 1077-13 of the *Standard Specifications*. Do not transport SRW blocks away from the casting yard until the