



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

February 12, 2010

**Addendum No. 3**

RE: Contract ID: C202402

WBS# 38927.3.1

**Lenoir County (U-2928B)**

Railroad Line from the NCRR to the Global Transpark

**February 16, 2010 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 form:

On Page No. 131 under PART 2-Products 2.1 MATERIALS AND GRADING REQUIREMENTS A. Sub-ballast Material 4. Other required characteristics, " f) Wear: ASTM C131, 20 percent maximum" was deleted. Please void Page No. 131 in your proposal and staple the revised Page No. 131 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. C. E. Lassiter, Jr., PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J.V. Barbour, PE  
Mr. Jay Bennett, PE  
Mr. Paul C. Worley, CPM  
Project File (2)

Ms. G. R. Perfetti, PE  
Mr. R. E. Davenport, Jr., PE  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Ms. Norma Smith  
Ms. Jaci Kincaid  
Ms. Lori Strickland  
Ms. Penny Higgins

- D. Gradation reports of representative samples of the material furnished together with certification that the material meets the requirements of these specifications.

1.3 QUALITY ASSURANCE

- A. Comply with latest edition and addenda of the following provisions, codes, specifications, standards, and recommended practices, except as otherwise indicated:
  1. AASHTO American Association of State Highway and Transportation Officials
  2. AREMA American Railway Engineering and Maintenance of Way Association, Manual for Railway Engineering
  3. ASTM American Society for Testing and Material
  4. NCDOT North Carolina Department of Transportation

PART 2 - PRODUCTS

2.1 MATERIALS AND GRADING REQUIREMENTS

- A. Sub-ballast Material
  1. Subballast shall be crushed stone (dense graded aggregate) and shall meet the requirements of AREMA Manual for Railway Engineering, Part 2. Sub-ballast shall be composed of clean, hard uncoated particles free from lumps of clay, shale and other objectionable materials.
  2. Gradation. Gradation shall be as follows:

<u>Sieve Size</u>	<u>Percent Passing by Weight</u>
2 inch	100
1 inch	90-100
3/8 inch	50 to 84
No. 10	26 to 50
No. 40	12 to 30
No. 200	5 to 12

The fraction passing the No. 200 sieve shall be less than two-thirds of the fraction passing the No. 40 sieve.

3. Sub-ballast material shall be produced from sound rock or naturally occurring deposits and shall be free from organics and deleterious material as defined by AASHTO T 112.
  4. Other required characteristics
    - a) Liquid Limit in not exceeding 25 as defined by AASHTO T 89.
    - b) Plasticity Index not exceeding 6 as defined by AASHTO T 90.
    - c) Wear shall not exceed 50 percent in accordance with the LA Abrasion test.
    - d) Soft Particles: ASTM C235. Not to exceed 5 percent of sample weight
    - e) Clay lumps and friable particles: ASTM C142. Not to exceed 0.5 percent of sample weight.
    - f) DELETED
    - g) Absorption: ASTM C127. 0.5 percent maximum.
  5. Crushing of sub-ballast shall not be required except the supplier may, at their option, elect to crush any oversize particles present in the deposit as an alternative to screening.
- B. Calcium chloride conforming to requirements of ASTM D98 may be used as an additive for dust control.