



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 7, 2008

**Addendum No. 1**

RE: Contract ID: C202146

WBS# 42398.3.1

F.A # IMS-095-3(101)128

**Nash County (I-5017)**

I-95 From The Tar River (MP128) To SR-1524 (Red Oak-Battleboro Road)

**November 18, 2008 Letting**

To Whom It May Concern:

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

The following revisions have been made to the proposal:

New Page Nos. 27-A, 27-B and 27-C have been added to include the project special provisions entitled "Sawing and Sealing Existing Concrete Pavement Joints" and "Removal of Existing Pavement Markers". Please staple new Page Nos. 27-A, 27-B and 27-C after Page No. 27 in your proposal.

On Page No. 2 of the Item Sheets, by copy of this addendum, the following new pay item is hereby added: "20-2752000000-E-SP Sealing Existing Concrete Pavement Joints (Quantity= 301,000LF)". The Contractor's bid price must include this new pay item. The contract will be prepared accordingly.

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".

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

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

Page 2  
Contract ID: C202146  
Nash County (I-5017)

RAG/jag  
Attachments

cc: Mr. W. S. Varnedoe, PE  
Mr. E. C. Powell, PE  
Mr. R.E. Greene, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J. V. Barbour, PE  
Mr. Mark Staley (2)

Mr. Robert Memory  
Mr. R. E. Davenport, Jr., PE  
Ms. Norma Smith  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Ms. Lori Strickland  
Project File (2)

27-A

**SAWING AND SEALING EXISTING CONCRETE PAVEMENT JOINTS:**

4-15-08

SPI

**Description**

Saw existing sawed joints and clean and seal joints with Low Modulus Silicone in accordance with the detail in the plans..

**Materials**

Meet the requirements of Section 1028-4(A) of the *Standard Specifications* for Low Modulus Silicone Sealant.

**Construction**

Saw and seal joints at locations as directed by the Engineer.

Equip air compressors for cleaning joints with suitable traps capable of removing all surplus water and oil in the compressed air. The Engineer will check the compressed air daily for contamination. Do not use contaminated air.

Cleaning and sealing shall be as follows:

**(A) Cleaning Freshly Cut Sawed Joints**

Immediately after sawing the joint, completely remove the resulting slurry from the joint and the immediate area by flushing with a jet of water under pressure, and other tools as necessary. After flushing, blow out the joint with compressed air. After the surfaces are thoroughly clean and dry and just before the joint sealer is placed, blow out the joint with compressed air having a pressure of at least 90 psi and remove all traces of dust. If freshly cut sawed joints becomes contaminated before they are sealed, clean as many times as necessary by one of the optional methods below or other methods of cleaning as approved by the Engineer.

**(B) Installing Backup Material**

When required, install closed cell, expanded polyethylene foam rod type backup material in a manner that will produce the shape factor specified. If the sealant bonds to the backup material, a bond-breaking type may be required.

**(C) Taping Expansion Joints**

When the joints have been cleaned and are thoroughly dry, place bond-breaking adhesive tape on top of the joint material or backup material to prevent any bonding action between the bottom of the joint sealer and the top of underlying material. The tape shall completely cover the top of the underlying material, but at no place shall the tape be allowed to adhere to the sides of the joint.

27-B

**(D) Sealing Joints Requirements**

- (1) Do not place silicone joint sealer when the air temperature near the joint is less than 50°F or is 50°F and falling or between October 15 and May 1, unless otherwise directed by the Engineer.
- (2) **Filling the Joint:** Do not seal a joint until the seal is thoroughly clean and dry, and properly taped, if taping is required. Place the sealer in reasonably close conformity with dimensions shown on the plans. The joints will be rejected for any unreasonable deviation until satisfactory corrective measures are taken.

Apply the joint sealer by an approved mechanical device or by manual pouring or troweling, depending upon the consistency used. When applied mechanically or by pouring, a nozzle or pouring spout shall be shaped to fit inside the joint to introduce the sealer from inside the joint. Pouring consistency shall be used in horizontal joints, and troweling consistency shall be used in vertical joints, unless the pouring consistency is such that it can be satisfactorily placed in vertical joints.

Recess the joint sealer below the adjacent surface as shown in the plans.

If the joint material fails in either adhesion or cohesion, the joint shall be repaired to the Engineer's satisfaction at the Contractor's expense.

- (3) **Special Requirements for Installation of Low Modulus Silicone Sealant:** The sealant shall be tooled to provide the required recess. The sealant shall be tooled or applied in a manner which causes it to wet the joint faces.
- (4) **Cleaning Pavement:** Promptly remove surplus joint sealer on the pavement after a joint has been sealed so that the joint sealer is not exposed to direct contact with traffic.

**(E) Opening to Traffic**

Do not permit traffic over sealed joints without the approval of the Engineer.

**Measurement and Payment**

*Sealing Existing Concrete Pavement Joints* will be measured along the completed joint of the actual linear feet of joints that have been sawed and sealed and accepted and paid for at the contract unit price per linear foot..

The above price and payment will be full compensation for all work covered by this provision for furnishing all labor, materials, tools, equipment, backer rods, and incidentals for doing all work involved in sawing, cleaning and sealing joints.

27-C

Payment will be made under:

**Pay Item**

Sealing Existing Concrete Pavement Joints

**Pay Unit**

Linear Foot

**REMOVAL OF EXISTING PAVEMENT MARKERS:**

Remove existing pavement markers in preparation for diamond grinding. Patch all locations where existing pavement markers are removed and repair any pavement damage due to existing pavement marker removal. Complete this work prior to opening lane to traffic. Patching and pavement repair of these areas shall be accomplished with Fibrecrete or approved equal. The Fibrecrete or approved equal is to be installed in accordance with Manufacturers recommendations and installation instructions. Dispose of existing pavement markers as directed by the Engineer. No direct payment will be made for this work. All labor, equipment and materials necessary to complete this work will be considered incidental to the diamond grinding operation.