



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

October 4, 2018

**Addendum No. 1**

RE: Contract # C204174  
WBS # 53056.3.2  
F. A. # NHPIM-0073 (049)  
**Guilford County (I-5852A)**  
I-73/US-421 From I-85 To I-40 In Greensboro

**October 16, 2018 Letting**

To Whom It May Concern:

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

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 10-04-2018"
R-11 and R-12	Revised the last sentence of the first paragraph under "Description" and the fourth paragraph under "Construction" in the project special provision entitled "Joint Construction, Repair and Sealing"
R-13	Revised paragraph "(D) (3) Sealing Joints Requirements" in the project special provision entitled "Joint Construction, Repair and Sealing".

Please void the above listed pages and staple the revised pages thereto.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
*Ronald E. Davenport, Jr.*  
F81B6038A47A442...  
Ronald E. Davenport, Jr., PE  
State Contract Officer

Mailing Address:  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT  
1591 MAIL SERVICE CENTER  
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1020 BIRCH RIDGE DR.  
RALEIGH, NC 27610

Website: [www.ncdot.gov](http://www.ncdot.gov)

I-5852A (C204174)

Guilford County

RED/jag  
Attachments

cc: Mr. Lamar Sylvester, PE  
Mr. Mike Mills, PE  
Mr. Ron Hancock, PE  
Mr. Jon Weathersbee, PE  
Mr. Ken Kennedy, PE  
Ms. Lori Strickland  
Project File (2)

Mr. Ray Arnold, PE  
Ms. Theresa Canales, PE  
Mr. Mike Gwyn  
Ms. Jaci Kincaid  
Ms. Penny Higgins  
Mr. Mitchell Dixon  
Mr. Alex Foster

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 10-04-2018**

DATE AND TIME OF BID OPENING: **OCTOBER 16, 2018 AT 2:00 PM**

CONTRACT ID      C204174  
WBS                53056.3.2

FEDERAL-AID NO. NHPIM-0073(049)  
COUNTY            GUILFORD  
T.I.P. NO.         I-5852A  
MILES               6.795  
ROUTE NO.         I 73  
LOCATION            I-73/US-421 FROM I-85 TO I-40 IN GREENSBORO.

TYPE OF WORK    PAVEMENT AND BRIDGE REHABILITATION.

**NOTICE:**

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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<https://connect.ncdot.gov/resources/Environmental/Environmental%20Permits%20and%20Guidelines/NCDOT%20GUIDELINES%20ON%20MANAGEMENT%20AND%20DISPOSAL%20OF%20CGR%209-14-2015.pdf>

### Measurement and Payment

The quantity of *Diamond Grinding PCC Pavement* to be paid for at the contract unit price will be the actual number of square yards of pavement diamond ground in accordance with the requirements of this provision. In measuring this quantity, the length will be the actual length diamond ground measured along the pavement surface. The width will be the actual widths measured along the pavement surface. No separate payment will be made for any overlapping.

Payment is full compensation for the work and includes but is not limited to grinding, disposal of slurry, furnishing all materials, equipment, labor and all incidentals necessary to complete the work satisfactorily.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Diamond Grinding PCC Pavement	Square Yard

### **JOINT CONSTRUCTION, REPAIR AND SEALING:**

(4-15-08) (Rev 3-20-18)

SPI 7-12A

#### **Description**

Saw existing backer rods joints, saw existing sawed joints, remove existing deteriorated backer rods and clean and seal joints with Low Modulus Silicone in accordance with the detail in the plans and the manufacturer's recommendations. Also, repair and reseal existing joints with Low Modulus Silicone, form joints in slab replacements and seal with Low Modulus Silicone in accordance with Standard Drawing No. 700.01.

#### **Materials**

Low Modulus Silicone Sealant shall meet the requirements of Section 1028-4(A) of the *Standard Specifications* for Low Modulus Silicone Sealant; and shall be on the Department's approved product listing that is being evaluated by National Transportation Product Evaluation Program (NTPEP).

#### **Construction**

Have on-site, a manufacture's representative during the initial start-up. This requirement will be suspended once the Engineer determines that the installation process is working smoothly.

Saw and seal pavement joints, and form control joints in one lane at a time.

Saw and seal joints at locations shown on the plans or as directed by the Engineer.

Saw and seal the centerline longitudinal joint according to Standard Drawing No. 700.01.

Form control joints in the proposed replacement slabs according to the spacing and dimensions as shown on the plans. Form the control joints by sawing with an approved concrete saw. Saw as soon as the concrete has hardened sufficiently without spalling or raveling, but before the lane is reopened to traffic, and not more than 6 hours after the concrete is placed.

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 become contaminated before they are sealed, clean as many times as necessary with cleaning methods 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.

**(D) Sealing Joints Requirements**

- (1) Place joint sealer in accordance with the manufacturer's recommendations and these Specifications. 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 manually 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 applied or tooled in a manner which causes it to wet the joint faces and provide the required recess.
- (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**

*Joint Construction, Repair and Sealing* will be measured and paid for at the contract unit price of the actual number of linear feet of joints, which are satisfactorily constructed, repaired and sealed. The length will be measured along the joints that have been constructed or repaired and sealed. Such price and payment will be full compensation for this work, including but not limited to removal and disposal of existing joint sealant and backer rod, preparation of joints, and furnishing all labor, tools, materials, and supplies, tools equipment and incidentals needed to complete the work.

Payment will be made under:

**Pay Item**

Joint Construction, Repair and Sealing

**Pay Unit**

Linear Foot

**REMOVE AND REPLACE CONCRETE APRON**

(12-2-2015)(REV5-23-2017)

Div. 7

**Description**

This work shall consist of removing and placing existing concrete aprons at existing drainage structures.