



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES. PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

May 13, 2009

**Addendum No. 2**

RE: Contract ID: C202305

WBS# 45052.3.ST1

F.A. # STM-0440(6)

**Wake County (I-5114)**

I-440 From I-40 To US-64/264 Bypass

**May 19, 2009 Letting**

To Whom It May Concern:

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

The following revisions have been made to the Proposal:

New Page Nos. 54-A, and 54-B have been added to include the project special provision entitled "Concrete Bonded Overlay Removal". Please staple New Page Nos. 54-A and 54-B after existing Page No. 54 in your proposal.

The Table of Contents has been revised to reflect the above noted change. Please void the Table of Contents in your proposal and staple the revised Table of Contents thereto.

On Page No. 1 of the item sheets, by copy of this addendum, the following pay item is hereby revised: "4-1297000000-E-607 Milling Asphalt Pavement, 3" Depth (Quantity = 30,634 SY)" is revised to be "4-1891000000-E-SP Milling Concrete Bonded Overlay, 3" Depth (Quantity = 30,634 SY)". Also on Page No. 1 of the item sheets, by copy of this addendum the following pay item is hereby revised: "5-1297000000-E-607 Milling Asphalt Pavement, 4" Depth (Quantity = 68,679 SY) is revised to be "5-1891000000-E-SP Milling Concrete Bonded Overlay, 4" Depth (Quantity = 68,679 SY). The Contractor's bid must be based on these revised pay items. The Contract will be prepared accordingly.

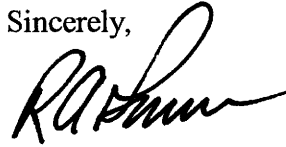
**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128  
FAX: 919-250-4119  
WEBSITE: [WWW.NCDOT.ORG](http://WWW.NCDOT.ORG)

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC

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,



R. A. Garris, PE  
Contract Officer

RAG/jag  
Attachments

cc: Mr. J.G Nance, PE  
Mr. Ron Hancock, PE  
Mr. J. W. Bowman, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J.V. Barbour, PE  
Mr. Mark Staley (2)  
Project File (2)

Mr. Robert Memory  
Mr. R. E. Davenport, Jr., PE  
Mr. Ronnie Higgins  
Mr. Larry Strickland  
Ms. Marsha Sample  
Ms. Norma Smith  
Ms. Lori Strickland

**CONCRETE BONDED OVERLAY REMOVAL:**

Perform the work of removing the existing concrete bonded overlay in its entirety at the locations shown on the plans. After the milling operation, clean the remaining surface, remove any residual concrete bonded overlay, and dispose of the removed material prior to tacking and paving.

**Construction Methods**

Mechanically remove the concrete bonded overlay from the underlying concrete pavement by either milling or grinding to the minimum depths indicated on the plans to remove the entire bonded overlay without significant overcutting. Multiple milling passes may be required. This work will include, but is not limited to, milling and remilling the concrete bonded overlay at the locations, depths, widths, and details shown on the plans; thoroughly cleaning the milled surface; loading; hauling; and disposal of the milled material.

Operate the milling or grinding equipment in such a manner to produce straight, sound, vertical, non-ragged edges along the longitudinal joint and in such a manner as to prevent damage to the underlying and adjacent pavement structure, transverse joints, paved surfaces outside the milled area, structure approach slabs, and any other appurtenances. Produce milled pavement surfaces that are reasonably smooth and free of excessive scarification marks, gouges, ridges, continuous grooves, or other damage.

After the complete removal of the concrete bonded overlay, any repairs to the underlying concrete that may be deemed necessary by the Engineer will be addressed as Extra Work in accordance with Article 104-7 of the Standard Specifications.

Thoroughly clean the milled pavement surface of all loose aggregate particles, dust, and other objectionable material. Ensure that all loose or detached material is removed and the remaining concrete is clean and sound.

Conduct pavement removal operations in a manner that effectively minimizes the amount of dust being emitted. Disposing or wasting of oversize pieces of pavement or loose aggregate material will not be permitted within the right of way. Plan and conduct the operation so it is safe for persons and property adjacent to the work including the traveling public.

Repair, level or patch with hot asphalt plant mix, any area which is not uniform in depth or cross-slope prior to paving surface mix.

Perform any milling of asphalt pavement in accordance with section 607 of the 2006 Standard Specifications.

Dispose of milled material in accordance with section 802 of the 2006 Standard Specifications unless otherwise approved by the Engineer.

54-B

Use a self-propelled up-cutting unit capable of removing the existing concrete bonded overlay to the minimum depths, widths, and details shown on the plans. Use milling machines designed and built exclusively for concrete pavement milling operations and with sufficient power, traction, and stability to accurately maintain depth of cut and slope. Use milling machines equipped with an electronic control system which will automatically control the longitudinal profile and cross-slope of the milled pavement surface through the use of either a mobile grade reference(s), an erected stringline(s), joint matching shoe(s), slope control systems, or other methods or combination of approved methods. Use a machine capable of leaving a uniform surface with minimal damage to the underlying and adjacent concrete pavement.

Equip the milling equipment with a means of effectively limiting the amount of dust escaping from the removal operation in accordance with local, State, and Federal air pollution control laws and regulations.

End each nightly and weekend operation at an existing joint or saw-cut to provide a clean break.

**Measurement and Payment**

The quantity of milled concrete pavement to be paid for will be the actual number of square yards of pavement surface which has been milled in accordance with the requirements of this provision. In measuring this quantity, the length will be the actual length milled, measured along the pavement surface. The width will be the width required by the plans or directed, measured along the pavement surface.

The quantity of milled concrete pavement, measured as provided above, will be paid for at the contract unit price per square yard for "Milling Concrete Bonded Overlay \_\_\_\_" Depth.

Payment will be made under:

**Pay Item**

**Pay Unit**

Milling Concrete Bonded Overlay, \_\_\_\_" Depth

Square Yard

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