



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

November 4, 2004

**Addendum No. 1**

RE: Contract ID: C200895  
WBS # 34431.3.6  
Lee County (R-2417BB)  
US-421 and NC-87 (Sanford Bypass) From  
East of SR-1521 (Kelly Drive) to East of NC-42.

**November 16, 2004 Letting**

To Whom It May Concern:

Reference is made to the proposal form furnished to you on the above-mentioned project.

The following revisions have been made to the proposal form:

On Page No. 59, the project special provision entitled "Asphalt Paver-Fixed String Line" has been deleted. Also on Page No. 59-A the project special provision entitled "Materials Transfer Vehicle" is being added. Please void Page No. 59 in your proposal and staple the revised Page No. 59 and New Page No. 59-A thereto.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Garris".

R. A. Garris, PE  
Contract Officer

RAG/jag/pa  
Attachments

cc: Mr. W. S. Varnedoe, PE  
Mr. S. D. DeWitt, PE  
Mr. E. C. Powell, PE  
Mr. Tim Johnson, PE  
Ms. D. M. Barbour, PE  
Mr. Art McMillan, PE  
Mr. J. V. Barbour, PE

Mr. Mark Staley (2)  
Mr. Aydren Flowers  
Mr. R. E. Davenport, Jr., PE  
Ms. Marsha Byrd  
Ms. Taylor Mishoe  
Project File (2)

Page 10-36, Subarticle 1012-1(C)1

Insert the following after the fourth paragraph on this page:

When natural sand is utilized in “C” or “D” level asphalt mixes, do not exceed the maximum natural sand percentage in the mix design and/or production aggregate blend detailed in Table 1012-1A.

**Table 1012-1A**

<b>Uncompacted Void Content of Fine Aggregate AASHTO T 304 Method A</b>	<b>Maximum Percent Natural Sand Included in Mix Design and/or Production*</b>
Less than 42.0	10
Equal to 42.0 to 44.9	15
Equal to 45.0 and greater	20

\*Maximum percent natural sand may be exceeded with approval from Pavement Construction Engineer upon satisfactory evaluation of pavement performance testing

**FINE AGGREGATE ANGULARITY**

Page 10-36, Subarticle 1012-1(C)6

Delete reference to AASHTO TP 33 Method A and substitute AASHTO T 304, Method A.

Page 10-37, Subarticle 1012-1(H)

Delete this Subarticle. It is a duplicate of Subarticle 1012-1(F) located on Page 10-36.

**ASPHALT BINDER**

Page 10-46, Article 1020-2

Delete the first paragraph under this Article and substitute the following:

Use Performance Graded Asphalt Binder meeting the requirements of AASHTO M 320. See Article 610-3 for the specified grades. Submit a Quality Control Plan for asphalt binder production in conformance with the requirements of AASHTO R 26 to the Materials and Tests Unit.

SP6R01

59-A

**MATERIALS TRANSFER VEHICLE:**

11-20-01

Use a Material Transfer Vehicle (MTV) when placing all asphalt concrete plant mix surface course pavements on this project, unless otherwise approved. Utilize the MTV when placing all surface course layers on full width travel lanes, including shoulders, collector lanes, ramps, and loops.

Provide an MTV that receives mixture from the hauling equipment and independently delivers the mixture from the hauling equipment to the paving equipment. Provide an MTV capable of transferring the material from the haul vehicle to the paver hopper at a uniform and continuous rate to allow the continuous movement of the paver. Install a paver hopper insert with a minimum capacity of 14 tons (12.7 metric tons) in the hopper of conventional paving equipment when utilizing a MTV. Perform remixing of the material prior to discharge into the paver conveyor system by utilizing either a MTV with a remixing system contained within a minimum 14 ton (12.7 metric ton) capacity storage bin or a dual pugmill system with two full length transversely mounted paddle mixers located in the paver hopper insert.

Use an MTV that provides to the paver a homogeneous, non-segregated mixture that is of uniform temperature such that there is no more than 20°F (11°C) difference between the highest and lowest temperatures when measured transversely across the width of the mat in a straight line at a distance of one foot (0.3 m) to three feet (0.9 m) from the screed while the paver is operating. Obtain the temperature measurements approximately one foot (0.3 m) from each edge and at least once in the middle of the mat.

Empty the MTV when crossing a bridge and move across without any other Contractor vehicles or equipment being on the bridge. Move the MTV across a bridge in a travel lane and not on the shoulder. While crossing a bridge move the MTV at a speed no greater than five miles per hour (8 km per hour) without any abrupt acceleration or deceleration.

In the event the MTV malfunctions during paving operations, immediately discontinue plant operations and do not resume operations until the MTV malfunctions have been remedied, unless otherwise directed due to safety concerns. The Contractor may continue placement of the mix until any additional mix in transit has been placed, provided satisfactory results are achieved. This procedure in no way alleviates the Contractor from meeting contract requirements.

No direct payment will be made for providing and using the materials transfer vehicle or any associated equipment, as the cost of providing same shall be included in the contract unit bid price per ton (metric ton) for the mix type to be placed.

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