



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

July 3, 2013

CONTRACT: 11274061
WBS ELEMENT: To Be Assigned
COUNTY: Greene, Jones, Lenoir
ROUTES: Various
DESCRIPTION: On-call Tiered Paving
ADDENDUM NUMBER 1

TO: Prospective Bidders

Please note the following revisions to the contract proposal for the above-referenced project. These changes are required due to the elimination of Open-Graded Asphalt Friction Course (OGAFC) items from the contract.

- Replace pages 22-23, 27-29, and the Bid Form with the versions attached.

If you should have any questions concerning this addendum, please call me at (252) 439-2807.

Sincerely,

A handwritten signature in black ink that reads "Bullard".

Aaron Bullard, PE
Division Contract Officer

Attachments

cc: Mr. Preston Hunter, PE
Mr. Johnny Metcalfe, PE

PROJECT SPECIAL PROVISIONS

ROADWAY

MOBILIZATION:

Revise the *2012 Standard Specifications* as follows:

Page 8-1, Article 800-2 MEASUREMENT AND PAYMENT, delete and replace with the following:

In the event that the Contractor is assigned a project for any work under this contract and the total amount due the Contractor for all work accomplished is less than Ten Thousand Dollars (\$10,000.00), a payment for "Mobilization" will be made for that project. In no case will more than one "Mobilization" be paid per project assigned under this contract.

Payment will be made under:

Pay Item	Pay Unit
Mobilization	Each

CONSTRUCTION SEQUENCE:

(7-1-95) (Rev. 8-21-12)

560

SP1 R34R

Pave each section of roadway begun in a continuous operation. Do not begin work on another section of roadway unless satisfactory progress is being made toward completion of intersections and all other required incidental work by satisfactorily furnishing additional paving equipment and personnel, except for milling and patching operations.

PAYMENT FOR TIER ITEMS:

This contract contains tier items for which the price may vary depending on the quantity utilized at each project site. Payment will be made on a per ton basis in place and accepted for Asphalt Concrete Base Course, Asphalt Concrete Intermediate Course, or Asphalt Concrete Surface Course for a Tier 1, Tier 2, Tier 3, or Tier 4 project location. Payment will be made on a square yardage basis for Milling Asphalt Pavements, 1" to 3" for a Tier 1, Tier 2, Tier 3, or Tier 4 project location. The description of the tier items are as follows:

- Tier 1 A **project** location requiring:
 - 0 to 50 tons of an individual or combination of paving items (B25.0B, I19.0B, S9.5B, SF9.5A)
 - 0 to 500 square yards of Milling Asphalt Pavement, 1" to 3" Depth
- Tier 2 A **project** location requiring:
 - 51 to 500 tons of an individual or combination of paving items (B25.0B, I19.0B, S9.5B, SF9.5A)
 - 501 to 1,000 square yards of Milling Asphalt Pavement, 1" to 3" Depth

Tier 3 A **project** location requiring:

501 to 1,000 tons of an individual or combination of paving items (B25.0B, I19.0B, S9.5B, SF9.5A)

1,001 to 2,000 square yards of Milling Asphalt Pavement, 1” to 3” Depth

Tier 4 A **project** location requiring:

More than 1,000 tons of an individual or combination of paving items (B25.0B, I19.0B, S9.5B, SF9.5A)

More than 2,000 square yards of Milling Asphalt Pavement, 1” to 3” Depth

The **total** quantities of asphalt plant mix used on a project will determine the tier level for that project. Payment for these items will be made under the appropriate line item for the applicable asphalt tonnage placed and accepted. **The tier for Milling Asphalt Pavement will be determined separately from the asphalt items.** The Engineer shall make the final tier determination on each project. Payment will be made based on the bid prices for tier materials or items used at each separate site if the Contractor **remobilizes**, i.e. loads equipment on lowboys or other transporters to be carried to another separate location.

Payments made under these items will be full compensation for all material and work listed in the tier schedule. Asphalt items include the production and placement of the mix, tack coat; trimming broken material from pavement edge (as needed to provide a neat edge); asphalt cement additives; providing and placing construction signs; equipment; and all other items incidental to the work.

Contractor shall note that the contract bid quantities are estimated quantities and are used solely for determining the lowest responsible bidders. The actual quantity of work may vary. No minimum amount of work is guaranteed under this contract.

MILLING ASPHALT PAVEMENT:

All milling required in this contract shall be in accordance with Section 607 of the *Standard Specifications* except as noted. All milling will be paid for at the contract price bid for milling according to the amount in the tier schedule for each project where milling is required.

ASPHALT PAVEMENTS - SUPERPAVE:

(6-19-12) (Rev. 4-16-13)

605, 609, 610

SP6 R01

Revise the *2012 Standard Specifications* as follows:

Page 6-3, Article 605-7 APPLICATION RATES AND TEMPERATURES, replace this article, including Table 601-1, with the following:

Apply tack coat uniformly across the existing surface at target application rates shown in Table 605-1.

RESURFACING EXISTING BRIDGES:

(7-1-95) (Rev. 8-21-12)

SP6 R61AR

The Contractor's attention is directed to the fact that he will be required to resurface the bridges on this project if directed by the Engineer.

Place the surface so as to follow a grade line set by the Engineer with the minimum thickness as shown on the sketch herein or as directed by the Engineer. State Forces will make all necessary repairs to the bridge floors prior to the time that the Contractor places the proposed surfacing. Give the Engineer at least 15 days' notice prior to the expected time to begin operations so that State Forces will have sufficient time to complete their work.

At all bridges that are not to be resurfaced, taper out the proposed resurfacing layer adjacent to the bridges to insure a proper tie-in with the bridge surface.

~~OPEN GRADED ASPHALT FRICTION COURSE, PERMEABLE ASPHALT DRAINAGE COURSE, AND ULTRA-THIN BONDED WEARING COURSE:~~

~~(4-17-12)~~

~~609~~

~~SP6 R62~~

~~When producing and constructing open graded asphalt friction course, permeable asphalt drainage course, and ultra thin bonded wearing course revise the 2012 Standard Specifications as follows:~~

~~Page 6-10, Subarticle 609-6(B) Required Sampling and Testing Frequencies, delete the third paragraph and replace with the following:~~

~~Sample and test the completed mixture from each mix design per plant per year at the following minimum frequency during mix production:~~

<u>Accumulative Production Increment</u>	<u>Number of Samples per Increment</u>
500 tons	1

Page 6-10, Subarticle 609-6(C) Control Charts, delete the fourth paragraph and replace with the following:

Record the following data on the standardized control charts and in accordance with the requirements of Section 7.4 of the *HMA/QMS Manual*:

(a) — Aggregate Gradation Test Results:

1. — 12.5 mm (Types P57 & FC 2 Mod. Only)
2. — 9.5 mm (Excluding Type P57)
3. — 4.75 mm
4. — 2.36 mm
5. — 0.075 mm Sieves

(b) — Binder Content, %, P_b

Page 6-11, Subarticle 609-6(D) Control Limits, Table 609-1 CONTROL LIMITS, replace with the following:

TABLE 609-1 CONTROL LIMITS			
Mix Control Criteria	Target Source	Moving Average Limit	Individual Limit
12.5 mm Sieve (Types P57 & FC 2 Mod)	JMF	± 4.0	± 8.0
9.5 mm Sieve (Excluding Type P57)	JMF	± 4.0	± 8.0
4.75 mm Sieve	JMF	± 4.0	± 8.0
2.36 mm Sieve	JMF	± 4.0	± 8.0
0.075 mm Sieve	JMF	± 1.5	± 2.5
Binder Content	JMF	± 0.3	± 0.7
TSR (Ultra-thin Only)	Min. Spec. Limit	-	-15%

Page 6-12, Subarticle 609-6(F) Allowable Retesting for Mix Deficiencies, Table 609-2 RETEST LIMITS FOR MIX DEFICIENCIES, replace with the following:

TABLE 609-2 RETEST LIMITS FOR MIX DEFICIENCIES	
Property	Limit
% Binder Content	by more than $\pm 1.0\%$
12.5 mm Sieve (Types P 57 & FC-2 Mod)	by more than $\pm 9.0\%$
9.5 mm Sieve (Excluding Type P 57)	by more than $\pm 9.0\%$
4.75 mm sieve	by more than $\pm 9.0\%$
2.36 mm sieve	by more than $\pm 9.0\%$
0.075 mm sieve	by more than $\pm 3.0\%$
TSR (Ultra thin only)	by more than 15% from Specification limit

Page 6-17, Subarticle 609-9(C) Limits of Precision, Table 609-3 LIMITS OF PRECISION FOR TEST RESULTS, replace with the following:

TABLE 609-3 LIMITS OF PRECISION FOR TEST RESULTS	
Mix Property	Limits of Precision
12.5 mm Sieve (Types P 57 & FC-2 Mod. Only)	$\pm 6.0\%$
9.5 mm Sieve (Excluding Type P 57)	$\pm 5.0\%$
4.75 mm Sieve	$\pm 5.0\%$
2.36 mm Sieve	$\pm 5.0\%$
0.075 mm Sieve	$\pm 2.0\%$
Asphalt Binder Content	$\pm 0.5\%$
TSR (Ultra thin HMA Only)	$\pm 15.0\%$

PAVING INTERSECTIONS:

(7-1-95) (Rev. 8-21-12)

610

SP6 R67AR

Surface all unpaved intersections back from the edge of the pavement on the main line of the project at least 50 feet. The pavement placed in the intersection shall be of the same material and thickness placed on the main line of the project.

Resurface all paved intersections back to the ends of the radii, or as directed by the Engineer.

The base on the unpaved intersections will be placed and prepared for surfacing by State Forces.

Widen the pavement on curves as directed by the Engineer.

North Carolina Department of Transportation

BID FORM

CONTRACT: 11274061
WBS ELEMENT: To Be Assigned
COUNTIES: Greene, Jones, Lenoir
ROUTES: Various
DESCRIPTION: On-call Tiered Paving

BID OPENING: July 24, 2013

ITEM	SECT	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
1	SP	MOBILIZATION	5	EA		
2	535	CONDITIONING EXISTING BASE	20	MSY		
BEGIN TIER 1 PAYMENT SCHEDULE						
3	SP	MILLING ASPHALT PAVEMENT, 1" TO 3" (TIER 1 - 0 TO 500 SY)	250	SY		
4	SP	ASPHALT CONC BASE COURSE, TYPE B25.0B (TIER 1 - 0 TO 50 TON)	100	TON		
5	SP	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B (TIER 1 - 0 TO 50 TON)	100	TON		
6	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (TIER 1 - 0 TO 50 TON)	150	TON		
7	SP	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (TIER 1 - 0 TO 50 TON)	150	TON		
BEGIN TIER 2 PAYMENT SCHEDULE						
8	SP	MILLING ASPHALT PAVEMENT, 1" TO 3" (TIER 2 - 501 TO 1,000 SY)	1,000	SY		
9	SP	ASPHALT CONC BASE COURSE, TYPE B25.0B (TIER 2 - 51 TO 500 TON)	250	TON		
10	SP	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B (TIER 2 - 51 TO 500 TON)	250	TON		
11	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (TIER 2 - 51 TO 500 TON)	300	TON		
12	SP	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (TIER 2 - 51 TO 500 TON)	300	TON		
BEGIN TIER 3 PAYMENT SCHEDULE						
13	SP	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (TIER 3 - 1,001 TO 2,000 SY)	2,000	SY		
14	SP	ASPHALT CONC BASE COURSE, TYPE B25.0B (TIER 3 - 501 TO 1,000 TON)	500	TON		
15	SP	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B (TIER 3 - 501 TO 1,000 TON)	500	TON		
16	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (TIER 3 - 501 TO 1,000 TON)	1,000	TON		
17	SP	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (TIER 3 - 501 TO 1,000 TON)	1,000	TON		
BEGIN TIER 4 PAYMENT SCHEDULE						
18	SP	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (TIER 4 - 2,000+ SY)	4,000	SY		
19	SP	ASPHALT CONC BASE COURSE, TYPE B25.0B (TIER 4 - 1,000+ TON)	1,000	TON		
20	SP	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B (TIER 4 - 1,000+ TON)	1,000	TON		

21	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (TIER 4 – 1,000+ TON)	1,200	TON		
22	SP	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A (TIER 4 – 1,000+ TON)	1,200	TON		
END TIER SCHEDULES						
23	620	ASPHALT BINDER FOR PLANT MIX	575	TON		
24	858	ADJUSTMENT OF MANHOLES	5	EA		
25	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	5	EA		

TOTAL BID FOR PROJECT: _____

CONTRACTOR _____

ADDRESS _____

Federal Identification Number _____ Contractors License Number _____

Authorized Agent _____ Title _____

Signature _____ Date _____

Witness _____ Title _____

Signature _____ Date _____

THIS SECTION TO BE COMPLETED BY NC DEPARTMENT OF TRANSPORTATION

This bid has been reviewed in accordance with Article 103-1 of the Standard Specifications for Roads and Structures 2012.

Reviewed by NCDOT _____ *Date* _____
Division Contract Officer

Accepted by NCDOT _____ *Date* _____
Division Engineer