



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

April 25th, 2012

TO: Prospective Bidders

FROM: Curtis Barbee, Proposals Engineer

SUBJECT: Addendum 1 – Contract Revisions –WBS#10C.090129 & 10C.090130

The following revisions and Special Provisions are to be reviewed and attached to the back of the contract. The new bid sheet shall be completed and attached to the contract when it is returned to be opened on Wednesday May 2nd, 2012 at 10:00 AM. The old bid sheet should be removed and replaced with the revised sheet.

- (1) A Special Provision for milling roadway before placement of HMA.
- (2) A new line item for Cement has been added.
- (3) Line item “Flexible Pavement Reclamation” has been changed to “Flexible Pavement Reclamation 12”.
- (4) Line item “Shoulder Construction” has been changed to “Shoulder Reconstruction.”
- (5) Sheet number 13 in the contract SP “Flexible Pavement Reclamation using Cement” has been modified, also sheet number 17 overlay of BST has been modified.
- (6) New and revised Bid Sheet. This must replace the old bid sheet, if the contract is returned with the old bid sheet completed this bid will be invalid.

CC: Mr. Ritchie Hearne, PE
Mr. Philip Moxley, PE
Mr. John Underwood
Ms. Kellie Crump
Mr. Nat Hunter, PE
Mr. Louis Mitchell, PE
Mr. Fred Brothers



MILLING SURFACE BEFORE PLACEMENT OF HMA

Prior to placement of the HMA S9.5A course, the Bituminous Surface Treatment shall be milled to obtain a true and level finish for asphalt placement. Contractor should be aware that if during the surface milling operation an area of BST 20' or greater in length is removed, the Contractor will be required to re-treat these areas at no cost to the Department.

There will be no direct payment for "Milling Surface Before Placement of HMA" as payment for this item will be considered incidental to various other items in this Contract.

SHOULDER RECONSTRUCTION PER SHOULDER MILE:

(1-18-00) (Rev. 5-17-11)REV4/25/2012

560

R1 R07 A

Description

This work consists of reconstructing each shoulder (including median shoulders as applicable) in accordance with Standard Drawing No. 560.01 and 560.02 of the *2012 Roadway Standard Drawings* except that the rate of slope and width will be as shown on typical section, or to the existing shoulder point, whichever is nearer, as long as the desired typical is achieved, and when completed, seeding and mulching. This work shall be performed immediately after the resurfacing operations are complete as directed by the Engineer.

Materials

The Contractor shall furnish all earth material necessary for the construction of the shoulders in accordance with Section 1019 of the *2012 Standard Specifications*. All soil is subject to test and acceptance or rejection by the Engineer.

Construction Methods

Obtain material from within the project limits or approved borrow source. Prior to adding borrow material, the existing shoulder shall be scarified to provide the proper bond and shall be compacted to the satisfaction of the Engineer.

Any excess material generated by the shoulder reconstruction shall be disposed of by the Contractor in an approved disposal site.

Measurement and Payment

Shoulder Reconstruction will be measured and paid as the actual number of miles of shoulders that have been reconstructed. Measurement will be made along the surface of each shoulder to the nearest 0.01 of a mile. Such price will include disposing of any excess material in an approved disposal site, and for all labor, tools, equipment, and incidentals necessary to complete the work.

Borrow Excavation will be paid in accordance with Section 230 of the *2012 Standard Specifications* for earth material furnished by the Contractor. The requirements of Article 104-5 of the *2012 Standard Specifications* pertaining to revised contract prices for overrunning minor items will not apply to the item of *Borrow Excavation*.

Incidental Stone Base will be measured and paid as provided in Article 545-6 of the *2012 Standard Specifications*.

Seeding and Mulching will be measured and paid as shown elsewhere in the contract documents.

Payment will be made under:

Pay Item
Shoulder Reconstruction
Borrow Excavation

Pay Unit
Shoulder Mile
Cubic Yard

1. For **Christmas**, between the hours of **6:00 a.m.** the Friday before the week of Christmas Day and **6:00 p.m.** the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures will not be required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated above and place traffic in the existing traffic pattern.

The liquidated damages are **One Thousand Dollars (\$ 1,000.00)** per hour.

FLEXIBLE PAVEMENT RECLAMATION USING PORTLAND CEMENT

DESCRIPTION

Perform the work covered by this section, including but not limited to, reclamation of roadway by pulverizing, treating with Portland Cement, mixing, and compacting the existing asphalt pavement, base, subbase, and subgrade materials to a specified depth to produce a uniform mixture which meets density requirements.

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR HIRING A LICENSED SOILS ENGINEERING FIRM TO DETERMINE THE APPROPRIATE RATE OF CEMENT TO BE ADDED TO OBTAIN A TARGET PSI OF 300 FOR A (12') TWELVE INCH DEPTH OF RECLAMATION. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK, AS IT WILL BE INCIDENTAL TO THE CONTRACT.

NOTE: The Contractor should be aware that for estimating and bidding purposes only a rate of 50 lbs of cement per Square Yard should be used.

MATERIALS

Refer to Division 10:

Portland Cement, Type I, II, 1S.....Article 1024-1

Water.....Article 1024-4

Use asphalt, base, subbase and subgrade material existing in the area, or other materials proportioned by the Engineer, that is free from vegetation, roots, or other objectionable matter, and does not contain asphalt, aggregate or stone larger than 2 inches (50.8 mm).

LIMITATIONS Do not perform flexible pavement reclamation when the air temperature is below 40°F (5°C.) in the shade or when conditions indicate that the temperature may fall below 40°F (5°C.) Do not place or mix materials with frozen subgrade. Protect the base from freezing for a period of 7 days after

Upon completion of the flexible pavement reclamation operation, the Contractor shall spread cut material into the trench to the satisfaction of the Engineer. Dispose of any excess material remaining after this operation is completed.

No direct payment will be made for trenching, sawing, and removal of driveways, depositing material on shoulder area, backfilling trench, or removal of spoil material, as the cost of this work shall be included in the contract unit price per SY for "Flexible Pavement Reclamation."

MEASUREMENT AND PAYMENT

Flexible Pavement Reclamation will be measured in units of square yards. The length will be measured along the surface of the pavement. The width shall be the width specified on the plans or in writing by the Engineer.

Unit Price Coverage:

The contract unit price for Flexible Pavement Reclamation shall be the full price for furnishing all materials including, but not limited to, cement, water and as well as all equipment, tools, labor, and incidentals necessary to complete the work.

Payment will be made under:

Pay Item	Pay Unit
Flexible Pavement Reclamation	Square Yard

ASPHALT SURFACE TREATMENT

The contractor shall be required to place a straight seal coat on the reclaimed roadway section at the end of each day's production. All work shall be performed in accordance with Section 660 of NCDOT Standard Specifications. The asphalt surface treatment shall not be covered for a period of 2 days. Before the final lift of asphalt can be placed the roadway shall be cleaned of all residual stone and the Engineer will verify that the riding surface is acceptable for final paving.

ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES

(11-21-00) (Rev. 7-19-11)

609

SP6 R15

The approximate asphalt binder content of the asphalt concrete plant mixtures used on this project will be as follows:

Asphalt Concrete Base Course	Type B 25.0__	4.4%
Asphalt Concrete Intermediate Course	Type I 19.0__	4.8%
Asphalt Concrete Surface Course	Type S 4.75A	6.8%
Asphalt Concrete Surface Course	Type SF 9.5A	6.7%
Asphalt Concrete Surface Course	Type S 9.5__	6.0%
Asphalt Concrete Surface Course	Type S 12.5__	5.5%

**North Carolina Department of Transportation
P.O. CONTRACT BID FORM**

Work Order Number: WBS # 10C.090129 & 10C.090130

Description: Full Depth Reclamation

County: Union

REVISED 4/25/2012

LINE NO.	MASTER ITEM NO.	SEC. NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	0000100000-N	800	MOBILIZATION	1	LS		
2	0106000000-E	230	BORROW EXCAVATION	1550	CY		
3	0234000000-E	SP	GENERIC GRADING ITEM FLEXIBLE PAVEMEVT RECLAMATION (12")	42000	CY		
4	1220000000-E	545	INCIDENTAL STONE BASE	187	TON		
5	1245000000-E	SP	SHOULDER RECONSTRUCTION	6.5	SMI		
6	1264000000-E	SP	DITCHING	2000	LF		
7	1525000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A	2308	TON		
8	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	155.0	TON		
9	1775000000-E	660	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE	38200	SY		
10	1880000000-E	SP	GENERIC PAVING ITEM- CEMENT FOR FDR	1050	TON		
11	2612000000-E	848	6" CONCRETE DRIVEWAY	174	SY		
12	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	3	EA		
13	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM- (ROAD CLOSURE)	2	EA		
14	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	130300	LF		
15	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	100	LF		
16	6000000000-E	1605	TEMPORARY SILT FENCE	750	LF		
17	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	98	TON		
18	6012000000-E	1610	SEDIMENT CONTROL STONE	49	TON		
19	6071010000-E	SP	WATTLE	750	LF		
20	6071020000-E	SP	POLYACRYLAMIDE (PAM)	1.9	LB		
21	6084000000-E	1660	SEEDING & MULCHING	3.9	ACR		

Total Bid for Project

CONTRACTOR _____ ADDRESS _____ _____ Federal ID No. _____ Contr. License No. _____ Telephone No. _____ Vendor No. _____ Authorized Agent _____ Signature _____ Witness _____ Signature _____		CORPORATE SEAL	Title _____ Date _____ Title _____ Date _____
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