



PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

April 6, 2016

Addendum No. 1

RE: Contract ID C203850

WBS # 2016CPT.10.58.20902.1 Etc.

State Funded

Union County

1 Section Of US-74, 1 Section of NC-205 and 20 Sections Of Secondary Roads

April 19, 2016 Letting

To Whom It May Concern:

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

The following revision has been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 04-06-16"
R-13	Revised aggregate types required in the Table in Article 660-7
R-19	Revised aggregate types required in the fourth paragraph of the project special provision entitled "Asphalt Surface Treatment Procedure"

Please void the existing Proposal Cover, Page R-13 and Page R-19 and replace with the attached revised Proposal Cover, Page R-13 and Page R-19.

The contract will be prepared accordingly.

Sincerely,

R. A. Garris, PE
Contract Officer

RAG/jag
Attachments



C203850

Union County

cc: Mr. Ron Hancock, PE
Mr. Louis Mitchell PE
Mr. Rodger Rochelle, PE
Mr. R. E. Davenport, PE
Ms. Theresa Canales, PE
Ms. Lori Strickland
Project File (2)

Mr. Ray Arnold, PE
Mr. Ken Kennedy, PE
Ms. Marsha Sample
Mr. Mike Gwyn
Ms. Jaci Kincaid
Ms. Penny Higgins

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

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 04-06-16

DATE AND TIME OF BID OPENING: **APRIL 19, 2016 AT 2:00 PM**

CONTRACT ID C203850

WBS 2016CPT.10.58.20902.1, 2016CPT.10.58.20902.2, 2016CPT.10.58.20902.3,
2016CPT.10.58.20902.4, 2016CPT.10.58.20902.5, 2016CPT.10.58.20902.6,
2016CPT.10.58.20902.7, 2016CPT.10.64.10901.2, 2016CPT.10.64.10901.3,
2016CPT.10.64.10901.4, 2016CPT.10.64.20901.10, 2016CPT.10.64.20901.11,
2016CPT.10.64.20901.12, 2016CPT.10.64.20901.13, 2016CPT.10.64.20901.14,
2016CPT.10.64.20901.15, 2016CPT.10.64.20901.16, 2016CPT.10.64.20901.17,
2016CPT.10.64.20901.5, 2016CPT.10.64.20901.6, 2016CPT.10.64.20901.7,
2016CPT.10.64.20901.8, 2016CPT.10.64.20901.9

FEDERAL-AID NO. STATE FUNDED

COUNTY UNION

T.I.P. NO.

MILES 29.070

ROUTE NO.

LOCATION 1 SECTION OF US-74, 1 SECTION OF NC-205, AND 20 SECTIONS OF
SECONDARY ROADS.

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

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 PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

covered. Tailgate spreaders will not be permitted. Areas that are inaccessible to the aggregate spreader shall be covered by hand spreading or other acceptable methods.

660-7 AGGREGATE TYPE AND APPLICATION RATES

MAP #	TYPE OF SEAL	LAYER	AGGREGATE TYPE	AGGREGATE TARGET RATE ^A (LBS/SY)	EMULSION TARGET RATE ^{B,C,D} (GAL/SY)
See SOQ	Mat	Top	#6M	25	0.25
	Double	Top	#14	10	0.25
	Double	Bottom	#78M	18	0.30

A. Aggregate Target Rates have +/- 2.0 lbs/sy tolerance limit.

B. Emulsion Target Rates have +/- 0.03 gal/sy tolerance limit.

C. Grade of emulsion shall be CRS-2L.

D. Application temperatures shall be 160-170°F.

660-8 CONSTRUCTION METHODS

For any type of AST work, demonstrate that all equipment has been calibrated in the presence of the Engineer with a minimum 100-foot test section. If approved by the Engineer, test section may be incorporated into the production section. If the test section is not feasible, submit a calibration plan to the Engineer with detailed information on equipment and a designated area for calibration.

(A) Asphalt Seal Coat

Use the type of seal coat as required by the contract. Seal coat aggregates shall be drained of free moisture and dust free before use. Place the seal coat in full-lane widths.

Adjust the aggregate rates to provide a sufficient quantity of cover material to be spread over the surface of the seal coat preventing traffic damage, where it is necessary to permit traffic on sections of a completed seal coat.

Perform rolling of each layer immediately after the aggregate has been uniformly spread. Rolling will consist of at least 3 complete coverages with one pneumatic-tire roller followed by at least one complete coverage with a 5 to 8 ton steel-wheel roller. All roller coverages shall be completed within 5 minutes of the asphalt emulsion being placed. Do not allow crushing of the aggregate or picking up of the material by the rollers.

Payment will be made under:

Pay Item	Pay Unit
Asphalt Surface Treatment, Single Seal	Square Yard
Asphalt Surface Treatment, Double Seal	Square Yard
Asphalt Surface Treatment, Triple Seal	Square Yard
Asphalt Surface Treatment, Mat and Single Seal	Square Yard
Asphalt Surface Treatment, Mat and Double Seal	Square Yard
Asphalt Surface Treatment, Sand Seal	Square Yard
Asphalt Surface Treatment, Mat Coat, No. __ Stone	Square Yard
Emulsion for Asphalt Surface Treatment	Gallon

ASPHALT SURFACE TREATMENT PROCEDURE:

The contractor shall be required to place a Double Seal coat on the reclaimed roadway section no later than the following day.

The asphalt surface treatment on this project shall be in accordance with Section 660 of the Standard Specifications and the following provisions:

The asphalt surface treatment on this project shall be constructed in accordance with Article 660-8(A)(2) entitled "Double Seal".

The Double Seal coat layers on this project shall be constructed using **No. 78M aggregate**, **No. 14 aggregate**, and **asphalt type CRS-2L**.

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.

All loose material shall be removed from the curb and gutter and all driveway entrances shall be cleaned of loose material back to the radius points.

LATEX MODIFIED ASPHALT EMULSIONS (CRS-2L):

All Asphalt Materials are subject to the requirements of Section 1020 of the *Standard Specifications*.

The following exceptions apply:

CRS-2L: Latex Modified Cationic Emulsions will contain a natural Latex or an unvulcanized Styrene Butadiene Rubber (SBR) in an emulsified latex form and are tested in accordance with Section 1020 of the *Standard Specifications*.