



PAT McCrory  
Governor

NICHOLAS J. TENNYSON  
Secretary

October 13, 2016

**Addendum No. 1**

RE: Contract # C203875

WBS # 46478.3.1

STATE FUNDED

**Tyrrell-Dare Counties (B-5936)**

Bridge #7 Over Alligator River On US-64

**November 15, 2016 (Advertisement extended from the October 18, 2016 Letting)**

To Whom It May Concern:

**Please note that the mandatory pre-bid and mandatory site visit dates have changed. Please see the revised project special provision located on Page No. G-3 of the proposal.**

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

The following revisions have been made to the plans and:

Sheet No.	Revisions
Title Sheet	Revised to change the Letting Date to November 15, 2016

Please void the above listed sheet in your plans and staple the revised sheet thereto.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 10-13-16" and revised the let date to November 15, 2016
G-1	Revised the availability date within the project special provision entitled "Contract Time and Liquidated Damages"
G-3	Revised the dates for the mandatory pre-bid and mandatory site visit within the project special provision entitled "Mandatory Pre-Bid Conference (Prequalifying To Bid)"
G-5	Revised the diesel fuel price within the project special provision entitled "Fuel Price Adjustment" and revised the percentages within the project special provision entitled "Schedule of Estimated Completion Progress"




Page No.	Revisions
R-5 and R-6	Revised the asphalt binder base price index and the date within the project special provision entitled "Price Adjustment-Asphalt Binder For Plant Mix"
BPE-68	Added paragraph 11 under Section 2.0 B MATERIALS within the project special provision entitled "SUBMARINE CABLE" to include sources of materials

Please void the above listed pages in your proposal and replace with the revised pages.

The contract will be prepared accordingly.

**Please delete the EBS file you previously downloaded for the October 18, 2016 letting and download the new EBS file listed for the November 15, 2016 letting. Bid Express will not accept your bid unless the new EBS file associated with the November 15, 2016 letting is used.**

Sincerely,

<sup>DS</sup>  
  
 R. A. Garris, PE  
 Contract Officer

RAG/jag

cc: Mr. Lamar Sylvester, PE                      Mr. Ray Arnold, PE  
 Mr. Jerry Jennings PE                      Ms. Theresa Canales, PE  
 Mr. Rodger Rochelle, PE                      Ms. Marsha Sample  
 Mr. R.E. Davenport, PE                      Mr. Mike Gwyn  
 Mr. Ken Kennedy, PE                      Mr. Mitchell Dixon  
 Ms. Jaci Kincaid                      Ms. Penny Higgins  
 Project File (2)                      Ms. Lori Strickland

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

PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 10-13-16**

DATE AND TIME OF BID OPENING: **NOVEMBER 15, 2016 AT 2:00 PM**

CONTRACT ID      C203875  
WBS                46478.3.1

FEDERAL-AID NO. STATE FUNDED  
COUNTY            TYRRELL, DARE  
T.I.P. NO.          B-5936  
MILES                2.828  
ROUTE NO.          US 64  
LOCATION             BRIDGE #7 OVER ALLIGATOR RIVER ON US-64.

TYPE OF WORK      BRIDGE REHABILITATION

**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 STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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**PROJECT SPECIAL PROVISIONS****GENERAL****CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 12-18-07)

108

SP1 G10 A

The date of availability for this contract is **January 3, 2017**.

The completion date for this contract is **November 30, 2018**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Thousand Dollars (\$ 2,000.00)** per calendar day.

**INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:**

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **US-64** during the following time restrictions:

**DAY AND TIME RESTRICTIONS****May 1<sup>st</sup> thru September 30<sup>th</sup> (Each Year)****Friday 6:00 a.m. thru Sunday 9:00 p.m.**

In addition, the Contractor shall not close or narrow a lane of traffic on **US-64**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

**HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS**

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of **6:00 A.M.** December 31<sup>st</sup> and **9:00 P.M.** January 2<sup>nd</sup>. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until **9:00 P.M.** the following Tuesday.
3. For **Easter**, between the hours of **6:00 A.M.** Thursday and **9:00 P.M.** Monday.

**INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:**

(2-20-07) (Rev. 6-18-13)

108

SPI G14 H

The contractor shall complete **all work required for constructing electrical/mechanical upgrades and Control House renovations, pivot pier pile repair, epoxy overlay on the moveable span and adjacent approach span at each end of the moveable span.**

The date of availability for this intermediate contract time is the date the contractor elects to begin the work.

The completion date for this intermediate contract time is **July 31, 2018.**

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

**MANDATORY PRE-BID CONFERENCE (Prequalifying To Bid):**

(7-18-06) (Rev. 3-25-13)

SPI 1-14(Rev)

In order for all prospective bidders to have an extensive knowledge of the project, all prospective bidders shall attend a mandatory pre-bid conference on **Thursday November 3, 2016** at 10:00 am at:

Chief Engineer's Conference Room  
NCDOT Equipment and Maintenance Facility  
4809 Beryl Rd  
Raleigh, NC 27606  
(919)733-2220

The bidders shall also attend a mandatory site visit on **Friday November 4, 2016** at 10:00 a.m. weather permitting. Specifics for the site visit will be discussed at the mandatory pre-bid conference.

The pre-bid conference and site visit will include thorough discussions of the plans, contract pay items, special provisions, etc.

Only bidders who have attended and properly registered at the above scheduled pre-bid conference and site visit and who have met all other prequalification requirements will be considered prequalified to bid on this project. A bid received from a bidder who has not attended and properly registered at both the above scheduled pre-bid conference and site visit will not be accepted and considered for award.

Attendance at the pre-bid conference and site visit will not meet the requirements of proper registration unless the individual attending has registered at the pre-bid conference and site visit in accordance with the following:

- (A) The individual has signed his name on the official roster no later than thirty (30) minutes after the above noted time for the beginning of the conference/site visit.

**NO SPECIALTY ITEMS:**

(7-1-95)

108-6

SP1 G34

None of the items included in this contract will be specialty items (see Article 108-6 of the *2012 Standard Specifications*).

**FUEL PRICE ADJUSTMENT:**

(11-15-05) (Rev. 2-18-14)

109-8

SP1 G43

Revise the *2012 Standard Specifications* as follows:

**Page 1-83, Article 109-8, Fuel Price Adjustments**, add the following:

The base index price for DIESEL #2 FUEL is \$ **1.5601** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

<b>Description</b>	<b>Units</b>	<b>Fuel Usage Factor Diesel</b>
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	2.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90
Permeable Asphalt Drainage Course, Type _____	Gal/Ton	2.90
Sand Asphalt Surface Course, Type _____	Gal/Ton	2.90
Aggregate for Cement Treated Base Course	Gal/Ton	0.55
Portland Cement for Cement Treated Base Course	Gal/Ton	0.55
____ " Portland Cement Concrete Pavement	Gal/SY	0.245
Concrete Shoulders Adjacent to ____ " Pavement	Gal/SY	0.245

**SCHEDULE OF ESTIMATED COMPLETION PROGRESS:**

(7-15-08) (Rev. 5-17-16)

108-2

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability of Funds Termination of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

	<b><u>Fiscal Year</u></b>	<b><u>Progress (% of Dollar Value)</u></b>
2017	(7/01/16 - 6/30/17)	37% of Total Amount Bid
2018	(7/01/17 - 6/30/18)	51% of Total Amount Bid
2019	(7/01/18 - 6/30/19)	12% of Total Amount Bid

If the Engineer does not require corrective action, the pay adjustment for each area of localized roughness shall be based on the following formula:

$$PA = (165 - LR\#) 5$$

Where:

PA = Pay Adjustment (dollars)  
 LR# = The Localized Roughness number determined from SAM report for the ride quality threshold

**Page 6-41, Subarticle 650-3(B), Mix Design Criteria**, replace Table 650-1 with the following:

<i>Sieve Size (mm)</i>	<i>Type FC-1</i>	<i>Type FC-1 Modified</i>	<i>Type FC-2 Modified</i>
19.0	-	-	100
12.5	100	100	80 - 100
9.50	75 - 100	75 - 100	55 - 80
4.75	25 - 45	25 - 45	15 - 30
2.36	5 - 15	5 - 15	5 - 15
0.075	1.0 - 3.0	1.0 - 3.0	2.0 - 4.0

**ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES:**

(11-21-00) (Rev. 7-17-12)

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 SA-1	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	5.6%

The actual asphalt binder content will be established during construction by the Engineer within the limits established in the *2012 Standard Specifications*.

**PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:**

(11-21-00)

620

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *2012 Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ 325.71 per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **October 1, 2016**.

**FINAL SURFACE TESTING NOT REQUIRED:**

(5-18-04) (Rev. 2-16-16)

610

SP6 R45

Final surface testing is not required on this project in accordance with Section 610-13, *Final Surface Testing and Acceptance*.

**MATERIALS:**

(2-21-12) (Rev. 3-15-16)

1000, 1002, 1005, 1016, 1018, 1024, 1050, 1074, 1078, 1080, 1081, 1086, 1084, 1087, 1092

SP10 R01

Revise the *2012 Standard Specifications* as follows:

**Page 10-1, Article 1000-1, DESCRIPTION, lines 9-10**, replace the last sentence of the first paragraph with the following:

Type IL, IP, IS or IT blended cement may be used instead of Portland cement.

**Page 10-1, Article 1000-1, DESCRIPTION, line 14**, add the following:

If any change is made to the mix design, submit a new mix design (with the exception of an approved pozzolan source change).

If any major change is made to the mix design, also submit new test results showing the mix design conforms to the criteria. Define a major change to the mix design as:

- (1) A source change in coarse aggregate, fine aggregate or cement.
- (2) A pozzolan class or type change (e.g. Class F fly ash to Class C fly ash).
- (3) A quantitative change in coarse aggregate (applies to an increase or decrease greater than 5%), fine aggregate (applies to an increase or decrease greater than 5%), water (applies to an increase only), cement (applies to a decrease only), or pozzolan (applies to an increase or decrease greater than 5%).

Use materials which do not produce a mottled appearance through rusting or other staining of the finished concrete surface.

**Page 10-1, Article 1000-2, MATERIALS, line 16; Page 10-8, Subarticle 1000-7(A), Materials, line 8; and Page 10-18, Article 1002-2, MATERIALS, line 9**, add the following to the table of item references:

<b>Item</b>	<b>Section</b>
Type IL Blended Cement	1024-1

**Page 10-1, Subarticle 1000-3(A), Composition and Design, lines 25-27**, replace the second paragraph with the following:



10. The Contractor shall coordinate the selection of the communication shielded cables and fiber optic cables with the equipment selected by the control system integrator to work properly with the control equipment.
11. For information purposes only, sources of submarine cables include, but are not limited to:

The Okonite Company  
Washington D.C. District Office  
Ph. (703) 904-9494

Kerite High Voltage & Cable Services  
Seymour, CT 06483  
Ph: (203) 881-5395

Draka - Prysmian Group  
North Dighton, MA 02764  
Ph: (508) 513-2321

#### C. TERMINAL CABINETS AND HARDWARE

1. Terminal cabinets shall be furnished and installed, as shown on the Plans, to provide termination for the submarine cables.
2. The terminal cabinets shall be NEMA-4X, fabricated from No. 10 gauge Type 316 stainless steel reinforced by steel angles. In the front cover there shall be installed a framed door installed on continuous stainless steel piano hinge and which shall provide access to the equipment inside. The door shall be constructed of No. 10 gauge sheet Type 316 stainless steel, suitably reinforced, and shall be provided with a three point, vault latch and padlock. The door shall be provided with a rubber gasket, which shall prevent water from entering the cabinet. Reinforcing plates shall be welded to the walls where conduits and cables enter the cabinets.
3. Terminal blocks, terminations, drain fittings, concrete pads, hardware and supports, and space heaters shall be as specified in the Special Provisions, Section Wire and Cable and Section Junction and Pull Boxes.
4. Clamp fittings for supporting each submarine cable at the top end of its conduit run shall be a threaded cable support clamp screwed onto the end of the threaded conduit. The clamp assembly shall be fabricated of hot dipped galvanized steel, and made specifically for this use. All hardware shall be stainless steel conforming to the requirements of ASTM Designation A276, Type 316. Bolt heads and nuts shall be hexagonal, and shall be provided with medium series lock washers.

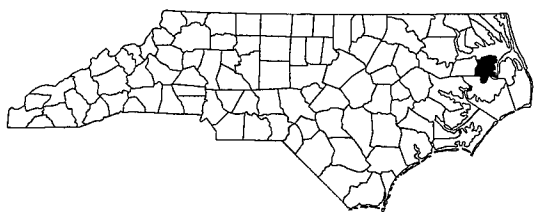
### 3.0 CONSTRUCTION METHODS

#### A. SUBMITTALS

The Contractor shall prepare the shop/working drawings in accordance with Section Electrical Summary of Work.

**PROJECT: B-5936**

**CONTRACT: C203875**



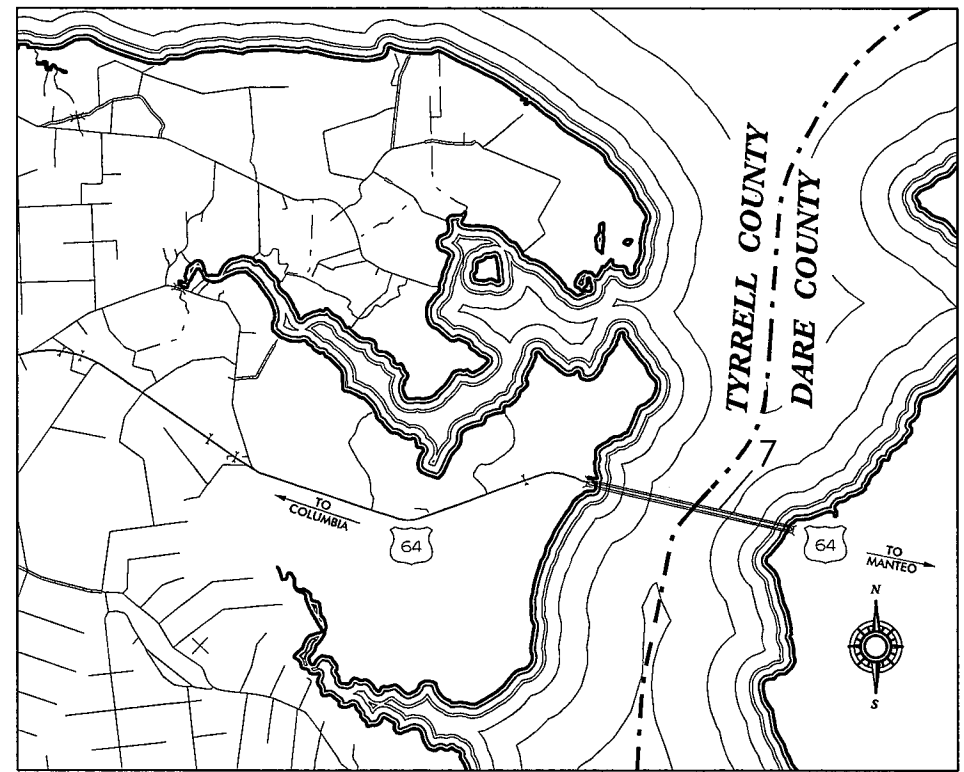
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TYRRELL AND DARE COUNTIES**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5936	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
46478.1.1	—	P.E.	
46478.3.1	—	CONSTR.	

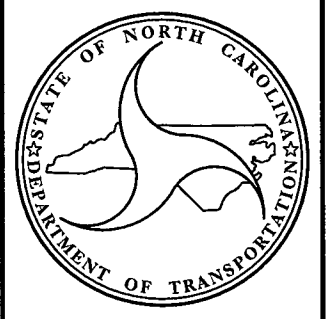
**LOCATION:** TYRRELL AND DARE COUNTIES:  
BRIDGE #7 OVER ALLIGATOR RIVER ON US 64

**TYPE OF WORK:** BRIDGE PRESERVATION WITH EPOXY DECK OVERLAY, JOINT REPLACEMENT, CONCRETE SUPERSTRUCTURE & SUBSTRUCTURE REPAIR, CLEANING AND PAINTING EXISTING BEARINGS, PILE JACKETING REPAIR, PIVOT PIER PILE REPAIR AND MECHANICAL AND ELECTRICAL REHABILITATION OF SWING SPAN.



VICINITY MAP - TYRRELL & DARE CO.

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED



**DESIGN DATA**

BRIDGE		
#7 ADT 2011	=	3600

**PROJECT LENGTH**

BRIDGE	
#7	= 2.828 MILE

Prepared In the Office of:  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
STRUCTURES MANAGEMENT UNIT - PRESERVATION & REPAIR GROUP  
1000 BIRCH RIDGE DR. RALEIGH, N.C. 27610

**MACK BAILEY, PE**  
PROJECT ENGINEER

2012 STANDARD SPECIFICATIONS

LETTING DATE:  
NOVEMBER 15, 2016

DocuSigned by:  
*Timothy M. Sherrill*  
AD50B1D97740

10/12/2016

**TIMOTHY M. SHERRILL, PE**  
PROJECT DESIGN ENGINEER