



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

March 20, 2013

Addendum No. 2

Contract No.: DA00153

TIP No.: N/A

WBS No.: 43652.2.1

Rehab to Existing Emergency Ferry Ramp at Rodanthe in Dare County.

To Whom It May Concern:

Reference is made to the proposal previously furnished for this project.

The following revisions have been made to the proposal:

"Cover Page," has been revised to change the bid opening date. Please void the existing "Cover Page" in the proposal and staple revised "Cover Page" thereto.

"Instruction to Bidders," has been revised to change the bid opening date. Please void the existing "Instruction to Bidders" in the proposal and staple revised "Instruction to Bidders" thereto.

Page No. 74, "Hydraulic Power Unit (HPU)," has been revised to change the OD tubing size." Please void the existing Page No. 74 in the proposal and staple revised Page No. 74 thereto.

Page No. 80A, "Existing Electrical Service Upgrade," has been revised. Please void the existing Page No. 80A in the proposal and staple the revised Page No. 80A thereto.

Sincerely,

A handwritten signature in black ink, appearing to read "W. B. Hobbs", with a long horizontal flourish extending to the right.

W. B. Hobbs, PE
Division Project Manager

WBH/ces
Attachment

cc: S. D. Baker, PE
G. A. Byrum, PE
P. A. Hernandez, PE
J. S. Abel, Jr.
D. H. Stallings

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



DIVISION ONE BRIDGE MAINTENANCE

CONTRACT PROPOSAL

COUNTY: DARE

CONTRACT#: DA00153 WBS #: 43652.3.2 TIP #: F-5503B

**DESCRIPTION: REHAB TO EXISTING EMERGENCY FERRY RAMP
AT RODANTHE**

DATE: FEBRUARY 19, 2013 BID OPENING: MARCH 27, 2013

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 NC 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.

NAME OF BIDDER

ADDRESS OF BIDDER

**RETURN BIDS TO: NC DEPARTMENT OF TRANSPORTATION
Barry Hobbs
Division Project Manager
North Carolina Department of Transportation
113 Airport Drive Suite 100
Edenton , NC 27932**

INSTRUCTIONS TO BIDDERS

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE PREPARING AND SUBMITTING YOUR BID.

All bids shall be prepared and submitted in accordance with the following requirements. Failure to comply with any requirement shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.

1. The bid form furnished by NCDOT with the proposal shall be used and shall not be altered in any manner. **DO NOT SEPARATE THE BID FORM FROM THE PROPOSAL!**
2. All entries on the bid form, including signatures, shall be written in ink.
3. The Bidder shall submit a unit price for every item on the bid form. The unit prices for the various contract items shall be written in figures. *****Unit prices must be limited to TWO decimal places.*****
4. An amount bid shall be entered on the bid form for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount Bid" column of the form.
5. The total amount bid shall be written in figures in the proper place on the bid form. The total amount shall be determined by adding the amounts bid for each item.
6. Changes in any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink. Do not use "White Out" or similar product to make corrections.
7. The bid shall be properly executed. All bids shall show the following information:
 - a. Name of individual, firm, corporation, partnership, or joint venture submitting bid.
 - b. Name of individual or representative submitting bid and position or title.
 - c. Name, signature, and position or title of witness.
 - d. Federal Identification Number
 - e. Contractor's License Number
8. Bids submitted by corporations shall bear the seal of the corporation.
9. The bid shall not contain any unauthorized additions, deletions, or conditional bids.
10. The bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
11. **THE PROPOSAL WITH THE BID FORM STILL ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL HAVE BEEN DELIVERED TO AND RECEIVED IN THE NCDOT DIV. ONE OFFICE, 113 AIRPORT DRIVE, SUITE 100, EDENTON, NC 27932 LOCATED APPROXIMATELY 5 MILES SOUTHEAST OF EDENTON, JUST OFF NC 94 ON AIRPORT DRIVE IN THE NORTHEASTERN REGIONAL AIRPORT BUILDING, BY 2:00 P.M. ON, WEDNESDAY, MARCH 27, 2013.**
12. The sealed bid must display the following statement on the front of the sealed envelope:
"QUOTATION FOR DA00153 – REHAB OF EMERGENCY FERRY RAMP AT RODANTHE, TO BE OPENED AT 2:00 P.M. ON WEDNESDAY, MARCH 27, 2013."
13. If delivered by mail, the sealed envelope shall be placed in another sealed envelope and the outer envelope shall be addressed as follows:

N. C. DEPARTMENT OF TRANSPORTATION

Attn: Barry Hobbs, PE
113 Airport Drive, Suite 100
Edenton, NC 27932

AWARD OF CONTRACT

The award of the contract, if it be awarded, will be made to the lowest responsible Bidder in accordance with Section 102-10, (excluding section 102-10) of the 2012 Standard Specifications for Roads and Structures. The lowest responsible Bidder will be notified that his bid has been accepted and that he has been awarded the contract. NCDOT reserves the right to reject all bids.

Case Material	Stainless steel
Case Diameter	2-1/2"
Max Temp	60°C
Connection	1/4" NPT
Accuracy	2.5%

REVISED 3/19/13

THE FOLLOWING IS A LIST OF OTHER REQUIRED COMPONENTS WHICH ARE NOT AN INTEGRAL PART OF THE HPU:

Hydraulic Cylinders: The hydraulic cylinders shall be all stainless steel, NPTF ports, lip sealed piston, fixed NFPA MP1 cap clevis, cushioned both ends, large male unified rod end thread, Model Number 3.250CBBSHLU18AC72.000 by Parker, or approved equal.

Bore	3 1/4"
Stroke	72"
Mounting Style	MP 1
Rod Size	1 3/8" diameter
Stop Type	1"
Piston Seals	Lip Type
Rod Material	316 Stainless steel
Rod End Style	8 - Large Male
Pressure	3,000 psi

Eye Bracket and Pin

Thread Size	7/8" -14
Pin Size	1"
Load Rating	12,200 lbs
Material	Stainless Steel

Rod End Clevis Bracket and Pin

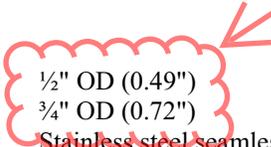
Thread Size	1-1/4" - 12
Pin Size	1.375"
Load Rating	18,850 lbs
Material	Stainless Steel

Tubing

Nominal Size (Wall Thickness)	1/2" OD (0.49") 3/4" OD (0.72")
Material	Stainless steel seamless tubing ASTM A-269, Mil Specs 8808
Rockwell Hardness Rating	80 HRB or less for use w/ 37 degree JIC adaptors 3,000 psi

1/2" OD (0.049")
~~3/4" OD (0.072")~~

(0.065")



Adaptors

Nominal Size	1/2" and 3/4"
Type Connection	37 degree JIC
Material	Stainless steel
Rating	3,000 psi

Note: Terminations are to be made with manufacturer procedures and equipment

Flexible Hose

Flexible high pressure hose shall be used to connect hard mounted stainless steel tubing to the hydraulic hoist cylinders and power unit.

Nominal Size	1/2" and 3/4"
Material	Stainless steel braid with outer non-metallic sunlight resistant Outer jacket

REVISED 3/19/13

Ferry Hydraulic System Transfer Switch

A manual transfer switch shall be provided for power the new ramp HPU from ferry vessel power during commercial power outages. The manual transfer switch shall be a two pole double throw safety switch, rated 100 amps at 240 volts, in a NEMA 4X enclosure. The new transfer switch shall be mounted on the same frame adjacent to the HPU motor starter.

Existing Electric Service Upgrade

The existing single phase electric service shall be upgraded to a 400 amp, 120/208 volt, 3-phase, 4-wire grounded service. This upgrade work shall include the following:

1. New pressure treated service pole, new service conductors, new metering equipment and cabinet(s), new 400 amp 3--~~phase stainless steel NEMA 4 X service panel board with one (1) 200 amp 3 pole circuit breaker, one (1) 200 amp 2 pole circuit breaker, four (4) single pole 20 amp circuit breakers (Eton Power Line 3A type 4X Main Lug only, top fed, Service voltage 120/208, 3 phase/4 wire with neutral service entrance rated---or equal).~~ ~~service disconnect circuit breaker in NEMA 4X enclosure, new 200 amp 2 pole circuit breaker in NEMA 4X enclosure to feed existing electrical circuits, and new electrical equipment rack adjacent to new service pole.~~ Electric equipment rack shall consist of 2"x6" ~~treated stainless steel Unistrut (or similar)~~ cross members mounted on 4 6"x6" wooden posts sunk no less than four feet into the ground. ~~Equipment rack to be 41/2' x 8'.~~ Wooden posts shall be pressure treated for insect resistance, and all hardware shall be stainless steel ~~or hot dipped galvanized~~. Specific location to be subject to approval at site by NCDOT Ferry Division personnel.
 ***Equipment Rack in Rodanthe to be raised an additional 30 inches above grade with a 4' x 8' platform installed in front of the equipment rack. Platform decking and joists to be 2 x 6 pressure treated and 2 x 10 treated bands. Wooden posts (6 x 6) to be installed no less than four feet into the ground.
2. Shore Power receptacle is to be fed from the 3 pole breaker in the above main panel board. Conduit shall be 3 inch PVC and conductors supplying the receptacle to be 3/0 THHN copper conductors with #2 ground (four 3/0 and one #2 ground). Shore power to be located at ramp to be subject to approval at site by NCDOT Ferry Division.
3. All conduit above grade to be Schedule 80 PVC, below grade Schedule 40 PVC.
4. Existing 200 amp single phase transfer switch and panel boards to be reused, (fed from 2 pole 200 amp breaker in the new panel board) supplying the existing 200 amp rain tight single phase panel board. All existing circuits to be reconnected.
5. Crushed stone topping, 4 inches deep, extending four feet in front, two feet behind, and two feet beyond each end of equipment rack.
6. ~~Direct buried feeder, 200 amp capacity, in PVC schedule 40 conduit no smaller than 2 inch diameter, from new service equipment frame to existing electrical panel.~~
6. Grounding of new service equipment using two 3/4" 5/8 x 10-ft copper clad ground rods, one located near each wooden post.
7. ~~NCDOT has already coordinated with the utility companies for Stumpy Point and Rodanthe and will work with the utility companies to bring the 3 phase power to the point of service attachment. Contractor shall coordinate with electric utility company, and shall include all costs and charges from the electric utility company in the bid price for this work.~~ All metering equipment shall comply with the requirements, rules and regulations of the electric utility company.
 - a. ~~Rodanthe: Contractor to furnish and install 400 amp meter base.~~