



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

February 08, 2021

Addendum No. 1

RE: Contract # C204434

WBS # 33723.3.1

STATE FUNDED

Craven County

BRIDGE 138 AND BRIDGE 139 OVER THE NEUSE RIVER ON SR-1470.

February 16, 2021 Letting

To Whom It May Concern:

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

The following revisions have been made to the Structure plans.

Sheet No.	Revision
S1-31	Revised to show a Steel Pile Point on the end of the 36" Steel Pipe Pile, rather than a Pipe Pile Plate

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

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 02-08-2021"
GT-7.1	Revised steel plate thickness in Project Special Provision entitled DRIVE STEEL PILES WITH PILE CUSHION
UbO-1 thru New UbO-2	Revised Project Special Provision entitled Utilities by Others to clarify coordination needed with Duke Energy

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto. Staple New Page UbO-2 after revised Page UbO-1 in your proposal.

The contract will be prepared accordingly.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

Sincerely,

DocuSigned by:
Ronald E. Davenport, Jr.
F81B6038A47A442...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/jjr
Attachments

cc: Mr. Lamar Sylvester, PE
Mr. Preston Hunter, PE
Mr. Boyd Tharrington, PE
Mr. Jon Weathersbee, PE
Mr. Ken Kennedy, PE
Project File (2)

Mr. Ray Arnold, PE
Ms. Jaci Kincaid
Ms. Lori Strickland
Mr. Mike Gwyn
Ms. Penny Higgins
Mr. Kyle Kempf

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

PROPOSAL

INCLUDES ADDENDUM No.1 DATED 02-08-2021

DATE AND TIME OF BID OPENING: **FEBRUARY 16, 2021 AT 2:00 PM**

CONTRACT ID C204434
WBS 33723.3.1

FEDERAL-AID NO. STATE FUNDED
COUNTY CRAVEN
T.I.P. NO. B-4484
MILES 0.701
ROUTE NO. SR 1470
LOCATION BRIDGE 138 AND BRIDGE 139 OVER THE NEUSE RIVER ON SR-1470.

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURES.

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 & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

33723.1.2 (B-4484)

GT-7.1

[Craven County]

DRIVE STEEL PILES WITH PILE CUSHION:

(SPECIAL)

Description

Steel pipe piles driven within bodies of water require using a new plywood pile cushion. **Section 450** is modified as follows.

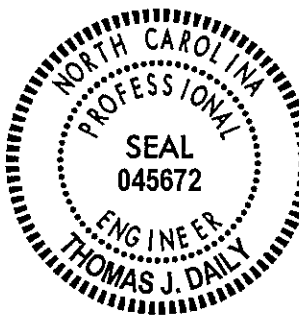
The last paragraph of Section 450-3(D)(2) is deleted and replaced with the following.

Hold pile heads in position with pile helmets that closely fit over pile heads and extend down the sides of piles a sufficient distance. Use pile cushions to drive steel pipe piles within bodies of water. Pile cushions shall be new pine plywood with a thickness of at least 4 inches. Provide a new pile cushion for each pile. Replace pile cushions during driving when a cushion is compressed more than 50% of its original thickness or begins to burn.

A steel plate equal to the pile diameter or pile width with a minimum thickness of $\frac{3}{4}$ inches is required on the top of each pile. Tack weld the steel plate to the top of the pile to maintain its centered position during driving. Each steel plate shall be tack welded to the pile before driving with the pile cushion being placed above the plate. Each steel plate shall be removed once pile driving of each pile is complete.

Section 450-4 is modified to include the following.

Steel pile plates used on the pile top to accommodate driving steel piles using a pile cushion will be paid using the pay item for Top Pipe Pile Plates in the units of each and measured one per pile. Payment for Top Pipe Pile Plate includes the plate, pile cushions, tack welding and removal and resetting as required, of the top plate.



DocuSigned by:
Thomas Daily
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2/4/2021

PROJECT SPECIAL PROVISIONS
Utilities by Others



General:

The following utility companies have facilities that will be in conflict with the construction of this project:

- A) Duke Energy – Power (Distribution)
- B) CenturyLink - Communications

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105.8 of the Standard Specifications.

Utilities Requiring Adjustment:

Utility relocations are shown on the Utilities by Others Plans.

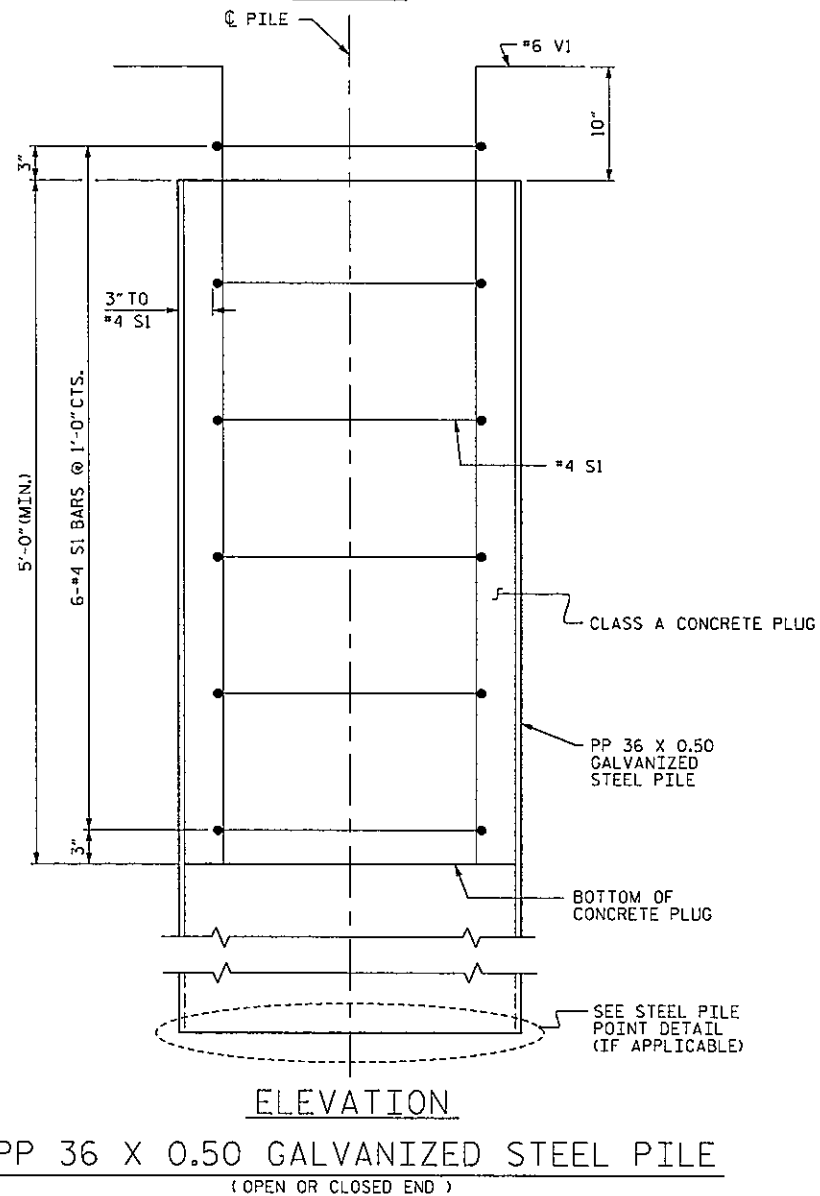
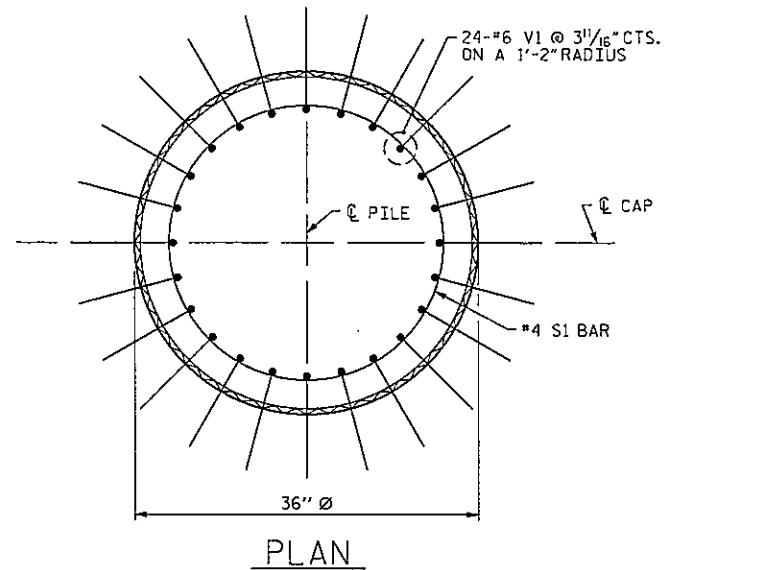
A) Duke Energy – Power

- 1) Duke Energy will relocate to their permanent alignment before the Date of Availability. Please see UO plan sheets for reference.
- 2) Duke Energy will temporarily remove one span of conductors (from pole 1FFX01 to pole RUG98) that are parallel to structure 139 to facilitate demolition of existing structure 139. Duke Energy will require 8 weeks' notice to mobilize and remove this span of conductors prior to demolition of existing structure 139. Duke Energy has agreed to keep this line out of service for a maximum period of 3 months.
- 3) Contractor to notify Duke Energy of bridge demolition completion in order to allow for reinstallation of span (from pole 1FFX01 to RUG98).
- 4) Contact person for Duke Energy is Mr. Alex Craig at (910) 399-3081 or Alex.Craig@duke-energy.com

PROJECT SPECIAL PROVISIONS
Utilities by Others

B) CenturyLink – Communications

- 1) CenturyLink will relocate their facilities by date of availability
- 2) Contact person for CenturyLink is Mr. Rodney Medlin at (252) 413-7711 or Rod.M.Medlin@centurylink.com



PP 36 X 0.50 GALVANIZED STEEL PILE
(OPEN OR CLOSED END)

NOTES

PIPE PILES SHALL BE IN ACCORDANCE WITH SECTION 1084 OF THE STANDARD SPECIFICATIONS.

GALVANIZE STEEL PIPE PILES IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS UNLESS METALLIZING IS REQUIRED. GALVANIZING OR METALLIZING PIPE PILE PLATES IS NOT REQUIRED.

PIPE PILE PLATES, IF REQUIRED, SHALL BE IN ACCORDANCE WITH SECTION 450 OF THE STANDARD SPECIFICATIONS.

REMOVE AND REPLACE OR REPAIR TO THE SATISFACTION OF THE ENGINEER PILES THAT ARE DAMAGED, DEFORMED OR COLLAPSED DURING INSTALLATION OR DRIVING.

PILE SPLICES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AWS D1.1.

FOR CLOSED END PIPE PILES, REMOVE ALL SOIL AND WATER FROM INSIDE THE PILES JUST PRIOR TO PLACING REINFORCING STEEL AND CONCRETE FOR THE CONCRETE PLUG.

FOR OPEN END PIPE PILES, REMOVE ENOUGH SOIL AND WATER FROM INSIDE THE PILES TO CONSTRUCT THE CONCRETE PLUG WITHOUT FOULING THE CONCRETE.

FORM THE CONCRETE PLUG SUCH THAT THE REINFORCING STEEL OR CONCRETE DOES NOT MOVE AND THE CLEARANCE FROM THE REINFORCING STEEL TO THE INSIDE OF THE PILE IS MAINTAINED AFTER CONCRETE PLACEMENT. DO NOT PLACE CONCRETE IN THE BENT CAP UNTIL THE CONCRETE PLUG HAS ATTAINED A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.

THE REINFORCING STEEL, CLASS A CONCRETE, AND GALVANIZING ARE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE BID PER LINEAR FOOT FOR PP 36 X 0.50 GALVANIZED STEEL PILES.

BILL OF MATERIAL FOR ONE
PP 36 X 0.50 GALVANIZED STEEL PILE

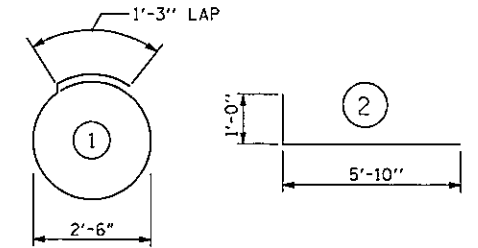
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
S1	6	#4	1	9'-1"	36
V1	24	#6	2	6'-10"	246

REINFORCING STEEL 282 LBS.

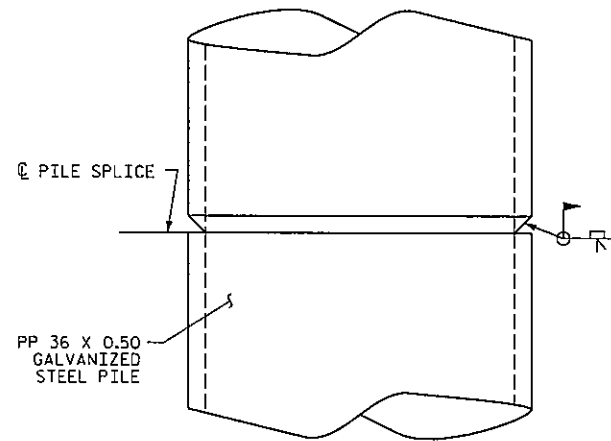
CLASS A CONCRETE

5'-0" MINIMUM PLUG 1.2 C.Y.

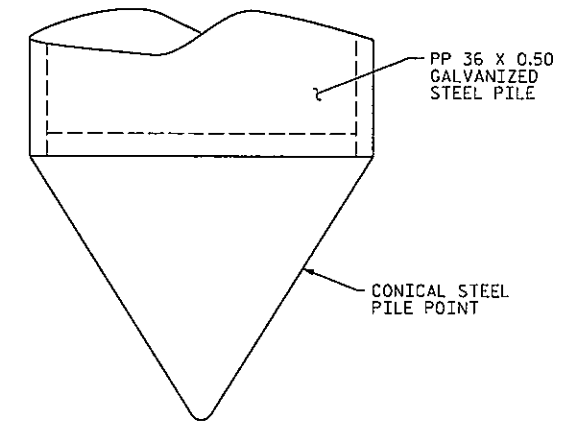
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.



PIPE PILE SPLICE DETAIL

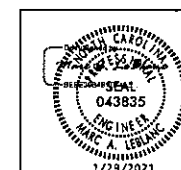


STEEL PILE POINT DETAIL

(IF APPLICABLE)

PROJECT NO. B-4484
CRAVEN COUNTY
STATION: 25+06.00 -L1-

REPLACES BRIDGE NO. 240138



RS&H

RS&H Architects-Engineers-Planners, Inc.
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919-921-4100 FAX 919-846-8080
www.rsandh.com
North Carolina State Reg. No. 002174487-C-01

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
36" STEEL PIPE PILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-31
1			3			TOTAL SHEETS
2			4			37

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : MRA DATE : 04/2019
CHECKED BY : JMR DATE : 06/2019
DESIGN ENGINEER OF RECORD: MAL DATE : 06/2019