



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JOEY HOPKINS
SECRETARY

October 5, 2023

ADDENDUM # 2

Contract No. DN01041
TIP No.: N/A
Federal Aid No.: TO BE DETERMINED
WBS Element: BP14.R042.3
County: Polk
Description: Design-Build as Specified in the Scope of Work Contained in the Request for Proposals at Bridge 740013 along SR 1128 (Howard Gap Rd) Over North Pacolet River in Polk County

Letting Date: October 18, 2023

Plan Holders

Content Summary – Revisions to the following sections of the RFP: General Scope, Erosion and Sedimentation Control Scope of Work, Hydraulics Design Scope of Work, as well as a corrected quantity that was wrong on addendum # 1.

The above contract has experienced the following revisions:

1. The words Microstation and Geopak have been replaced with an **“OpenRoads Designer** reference in the following sections of the RFP (see the attached affected pages):
 - a. Page **36**, under **General Scope**, last paragraph should read as follows: **“All designs shall be in OpenRoads software format using the appropriate module (current version used by the Department).”**
 - b. Page **47**, under **Hydraulics Design Scope of Work**, the third bullet should read as follows: **“Design the storm drainage using the appropriate module of OpenRoads (current version used by the Department).”**
 - c. Page **61**, under **Erosion and Sedimentation Control Scope of Work, I. Complete Set of Plans, C., 9.**, last paragraph should read as follows: **“OpenRoads files may be requested by NCDOT REU staff if needed.”**

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 14
253 WEBSTER ROAD
SYLVA, NC 28779

Telephone: (828) 586-2141
Fax: (828) 586-4043
Customer Service: 1-877-368-4968

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

Website: www.ncdot.gov

2. On Addendum # 1, item # 1C, the wrong quantity was provided. The quantity should be **55**.
3. The following pay item quantity has been revised: 0005 AA1, 0000930000-E, SP, GENERIC MISCELLANEOUS ITEM INTERIOR BENT CAP STRUCTURE # 740013 has been changed to **1 EA**. (See the attached revised bid item sheet).

Thank you for your attention to this matter.

If you have any questions, please contact the Division Proposal Engineer at (828) 586-2141 (Office) or (828) 550-3185 (Cell).

Sincerely,

DocuSigned by:
Jeffrey E. Alspaugh
160F4BFF87884E1...

Jeffrey E. Alspaugh
Division Proposal Engineer

The Department reserves the right to use portions or all of the approved alternate approach on any concurrent or future Design-Build projects.

All submittals shall be made simultaneously to the Division Office and the Resident Engineer. The Department will not accept subsequent submittals until prior submittal reviews have been completed for that item. The Design-Build Team shall inform the Division Office in writing of any proposed changes to the previously reviewed submittals and obtain approval prior to incorporation. The Design-Build Team shall prioritize submittals in the event that multiple submittals are made based on the current schedule. All submittals shall include pertinent Special Provisions. No work shall be performed prior to Department review and approval of the applicable design submittals. Combined submittals are allowable at the risk of the Design Build team if modifications are required.

GENERAL SCOPE

The scope of work for this project includes design, construction and management of the replacement of one bridge with a bridge. Construction shall include, but not be limited to, all necessary clearing, debris removal within ROW limits, grading, roadway, drainage, structures, utility coordination and relocation, and erosion and sediment control work items for the bridge replacement. Construction shall comply with 2018 *NCDOT Standard Specifications for Roads and Structures* and any special provisions.

Project services include, but are not limited to:

- **Surveys** - All necessary surveys for project design, right-of-way & construction activities.
- **Design Services** – completion of construction plans.
- **Construction Services** – necessary to build and ensure workmanship of the designed facility.
- **Permits** – development of all documents for permits, as necessary.
- **Right-of-Way**—as may be necessary.
- **Utility Coordination** – all utility relocation efforts, as needed.
- **As-Constructed Drawings**

Construction Engineering Inspection shall be provided by NCDOT Division personnel or will be performed under a separate contract.

The Department will be responsible for the environmental document for the bridge site.

All designs shall be in OpenRoads software format using the appropriate module (current version used by the Department).

DESIGN AND CONSTRUCTION PERFORMED BY DESIGN-BUILD TEAM

The Design-Build Team shall acknowledge that project documents furnished by the Department are preliminary and provided solely to assist the Design-Build Team in the development of the project design. The Design-Build Team shall be fully and totally responsible for the accuracy and completeness of all work performed under this contract and shall save the State harmless and shall be fully liable for any additional costs and all claims against the State which may arise due to errors, omissions and negligence of the Design-Build Team in performing the work required by this contract.

An exception to these terms may be granted when recommended by the Secretary and approved by the Board of Transportation.

Failure to comply with the terms stated above in this section shall be grounds for termination of this contract and / or not being considered for selection of work on future contracts for a period of one year.

SUBMITTAL OF PRICE PROPOSALS

The Price Proposal shall be submitted electronically in accordance with Articles 102-8(B) in the Standard Specifications for Roads and Structures. **No Price Proposal will be received after 1:00 p.m. Local Time on October 18, 2023.**

A Bid Bond or Bid Deposit in the amount of 5% of the Total Amount Bid will be required. The Bidder shall submit an electronic Bid Bond with each electronic bid submittal unless they elect to furnish a Bid Deposit to the address shown below:

Mr. Jeffrey E. Alspaugh
Div. 14 Proposals Engineer
253 Webster Road
Sylva, NC 28779

Bid Deposit shall be submitted in accordance with Section 102-10 of the 2018 Standard Specifications for Roads and Structures.

Opening of Price Proposals

At the time and date specified, the Division Contract Engineer will open and read the Price Proposals and calculate the percentage difference between the Price Proposals submitted and the Engineer's Estimate.

Best and Final Offer

In the event initial Price Proposals exceed an acceptable range of the Engineer's Estimate or if the Department feels it is necessary for any reason the Department may choose to make amendments to the details of the RFP and request a Best and Final Offer from all of the previously short-listed teams. Alternately, the Department may choose to redistribute to the short-listed Design-Build Teams another RFP for the project with no amendments to the RFP.

The Design-Build Teams shall submit a revised Price Proposal at the time and date specified in the Best and Final RFP. This will constitute the Design-Build Team's Best and Final Offer. Award of the project may then be made to the Design-Build Team with the lowest apparent Price Proposal in response to the Best and Final RFP.

HYDRAULICS DESIGN SCOPE OF WORK

The Design-Build Team shall be required to do the following:

- Employ a prequalified private engineering firm to perform hydraulic design for all work required under this contract.
- Attend a Hydraulic pre-design meeting prior to the first hydraulic submittal.
- Design the storm drainage using the appropriate module of OpenRoads (current version used by the Department).
- Provide a *Stormwater Management Plan* using the most current NCDOT Best Management Practices where applicable.
- Setbacks are not waived for this bridge.
- Provide Bridge Survey Reports as required by NCDOT Hydraulic Guidelines stated below.
- Design the structure at this location to meet the requirements of the Memorandum of Agreement (MOA) between NCDOT and NC Floodplain Mapping Program (NCFMP) approved August 12, 2016, for the Department's submittal to FEMA. In the event an MOA cannot be achieved, the Design-Build Team shall be responsible for preparing a CLOMR package; however, the Department will be responsible for all FEMA submittal fees associated with the submittal of a CLOMR, and subsequently LOMR, packages. In the event that the Design-Build Team revises their design after initial submittal of the MOA or CLOMR package and a second FEMA submittal for that bridge is required, then the Design- Build Team will be responsible for all FEMA submittal fees associated with there-submittal.
- The Department will not allow direct contact between the Design-Build Team and the representatives of NCFMP and their contractors either by phone, e-mail, or in person without the State Hydraulics Engineer or his designee(s) present. The Department will review with NCFMP the eligibility for the MOA at their monthly meeting. The MOA Package with the accepted Bridge Survey Report for each site shall be submitted for review one month prior to the meeting. A member of the Design-Build Team may attend this meeting. The Design- Build Team shall recognize that the MOA allows for as much as one hundred fifty (150) days for approval once an accepted MOA Package has been submitted by the Department to the NCFMP. No construction activity shall occur in FEMA regulated floodplains until the MOA package (or CLOMR) for the specific site has been approved by the NCFMP. The Department will be responsible for all fees associated with the submittal of MOA Packages.
 - Construct structures in FEMA regulated floodplains to ensure adherence to the approved FEMA submittal. The Design-Build Team shall ensure that construction of all structures in FEMA regulated floodplains adhere to the approved CLOMR(s) and/or MOA(s). Within three months of completion of a structure in a FEMA regulated floodplain, the Design-Build Team shall provide a sealed As-Built survey for the structure and certify that the constructed structure adheres to the approved CLOMR or MOA. Guidance for plan certification for FEMA-Regulated Stream Crossings may be found on the Hydraulics Unit website at the following address:
<https://connect.ncdot.gov/resources/hydro/Pages/FEMA-Interagency-Design.aspx>

19. Provide matting for erosion control in all ditch lines where the velocity is greater than 2.0 ft/s, and the shear stress is 1.55 psf or less. For ditch lines with a shear stress above 1.55 psf, Permanent Soil Reinforcement Mat or Riprap shall be utilized.
20. Provide matting for erosion control on all fill slopes 2:1 (H:V) or steeper and fill slopes adjacent to sensitive jurisdictional areas.
21. For bridge projects with Design Standards in Sensitive Watersheds (15A NCAC 04B .0124) commitment, all streams and unnamed tributaries shall have a 50-foot Environmentally Sensitive Area (ESA) on Clearing & Grubbing EC Plans only, and utilize 25-year peak rainfall data for surface area requirement for all sediment basins.
22. To contain concrete waste water and associated concrete mix from washing out ready-mix trucks, drum, pumps, or other equipment, provide Concrete Washout Structures at egress points. Concrete Washout Structures must collect and retain all concrete waste water and solids so that this material does not migrate to surface waters or into the ground water. The Concrete Washout Structures are not intended for concrete waste water not associated with washout operations. The Concrete Washout Structures may include devices above or below ground and/or commercially available devices designed specifically to capture concrete waste water. Concrete Washout Structure options may be found in the special provisions, available at the website noted in Section IV. A Concrete Washout Structure option detail is available at the following link:

<https://connect.ncdot.gov/resources/roadside/SoilWaterDocuments/ConcreteWashoutStructureDetail.pdf>

B. Intermediate Phase

Intermediate Erosion Control Plans shall only be required if design modifications and/or site conditions require additional erosion control design or design revisions to the RFC Erosion Control Plans. Intermediate Plans shall be submitted for review and shall be accepted prior to construction of any aspect impacted by the revised erosion control design. For any intermediate phase, comply with Section A, "RFC Plans" above.

- C. The following documents shall accompany the Erosion Control Plans and be completed and submitted to NCDOT REU for initial submittal:
 1. High Quality Water Worksheet from Soil and Water Engineering web page
 2. Low Impact Bridge Project Checklist from Soil and Water Engineering web page
 3. Matting Determination Spreadsheet from Soil and Water Engineering web page
 4. Erosion Control Quantities Spreadsheet from Soil and Water Engineering web page
 5. Basin or Checkdam Design Spreadsheet from Soil and Water Engineering web page
 6. Preliminary Permit Drawings showing all jurisdictional stream and wetland impacts (half-size)
 7. General Structure Drawing with locations of piles, drilled shafts, etc. (half-size)
 8. Erosion Control Plans shall be submitted according to the "*Express Design-Build Bridge Replacement Submittal Guidelines – Year 5, March 24, 2016*".
 9. OpenRoads files may be requested by NCDOT REU staff if needed.

The documents located on the Soil and Water Engineering web page can be found at:

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0003	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1 1/2")	1,278 SY		
0004	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	24,789 SY		
0005	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	4,576 TON		
0006	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	276 TON		
0007	1704000000-E	SP	PATCHING EXISTING PAVEMENT	23 TON		
0008	2535000000-E	846	*** X *** CONCRETE CURB (8"X12")	900 LF		
0009	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	110 LF		
0010	2591000000-E	848	4" CONCRETE SIDEWALK	622 SY		
0011	2613000000-N	848	REMOVE AND REPLACE CURB RAMPS	39 EA		
0012	2800000000-N	858	ADJUSTMENT OF CATCH BASINS	5 EA		
0013	2830000000-N	858	ADJUSTMENT OF MANHOLES	41 EA		
0014	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	34 EA		
0015	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	126 SF		
0016	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	50 LF		
0017	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0018	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	2 EA		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM TEMPORARY CURB RAMPS	1 EA		
0020	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	4,122 LF		
0021	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	80 LF		
0022	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	3,970 LF		
0023	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	10 EA		
0024	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	4,122 LF		
0025	4830000000-E	1205	PAINT PAVEMENT MARKING LINES (16")	80 LF		
0026	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	630 LF		
0027	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	10 EA		
0028	6000000000-E	1605	TEMPORARY SILT FENCE	75 LF		
0029	6029000000-E	SP	SAFETY FENCE	75 LF		
0030	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	3 EA		
0031	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	672 LF		
0032	7456000000-E	1726	LEAD-IN CABLE (***** (14-2)	1,340 LF		

1642/Oct05/Q48063/D119859600000/E31

Total Amount Of Bid For Entire Project :