



Invitation for Bid No. 2023-099

SCADA Master Plan Telemetry System & RTU Replacement

Due Date: June 27, 2023
Time: 2:00 PM Local Time
Receipt Location: Union County Government Center
500 N. Main Street, Suite 709
Monroe, NC 28112

Procurement Representative:

Vicky Watts, CLGPO
Senior Procurement Specialist
Procurement Department
(704) 283-3601
vicky.watts@unioncountync.gov

Prepared by:

HDR Engineering, Inc. of the Carolinas
(704) 338-6700

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TABLE OF CONTENTS

DIVISION 00 — PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 01 07 - SEALS AND SIGNATURES
- 00 21 13A - MINORITY AND SMALL BUSINESS GUIDELINES
- 00 21 13A1 - APPENDE-1
- 00 21 13B - MINORITY AND SMALL BUSINESS FORMS
- 111 - EJCDC C-111 ADVERTISEMENT
- 200 - EJCDC C-200 INSTRUCTION BIDDERS
- 410 - EJCDC C-410 BID FORM
- 430 - EJCDC C-430 BID BOND
- 510 - EJCDC C-510 NOTICE OF AWARD
- 520 - EJCDC C-520 AGREEMENT
- 550 - EJCDC C-550 NOTICE TO PROCEED
- 610 - EJCDC C-610 PERFORMANCE BOND
- 615 - EJCDC C-615 PAYMENT BOND
- 620 - EJCDC C-620 APPLICATION FOR PAYMENT 2013 SALES TAX
- 625 - EJCDC C-625 SUBSTANTIAL COMP
- 700 - EJCDC C-700 STANDARD GENERAL CONDITIONS
- 800 - EJCEC C-800 SUPPLEMENTARY COND
- 940 - EJCDC C-940 WORK CHANGE DIRECTIVE
- 941 - EJCDC C-941 CHANGE ORDER
- 942 - EJCDC C-942 FIELD ORDER

DIVISION 01 — GENERAL REQUIREMENTS

- 01 11 00 - SUMMARY OF WORK
- 01 14 16 - COORDINATION WITH OWNER'S OPERATIONS
- 01 14 19 - USE OF SITE
- 01 21 00 - ALLOWANCES
- 01 22 00 - MEASUREMENT AND PAYMENT
- 01 25 00 - SUBSTITUTION PROCEDURES
- 01 25 13 - SUBSTITUTION PROCEDURES AFTER EXECUTION OF CONTRACT
- 01 26 00 - CONTRACT MODIFICATION PROCEDURES
- 01 26 13 - REQUESTS FOR INFORMATION (RFI)
- 01 29 73 - SCHEDULE OF VALUES
- 01 29 76 - PROGRESS PAYMENT PROCEDURES
- 01 30 00 - SPECIAL CONDITIONS
- 01 31 13 - PROJECT COORDINATION
- 01 31 19 - PROJECT MEETINGS
- 01 31 26 - ELECTRONIC COMMUNICATION PROTOCOLS
- 01 32 16 - CONSTRUCTION PROGRESS SCHEDULE
- 01 32 33 - PROJECT PHOTOGRAPHIC DOCUMENTATION
- 01 33 00 - SUBMITTAL PROCEDURES
- 01 55 13 - VEHICULAR ACCESS AND PARKING
- 01 57 05 - TEMPORARY CONTROLS
- 01 57 33 - TEMPORARY SECURITY
- 01 62 00 - PRODUCT OPTIONS
- 01 65 00 - PRODUCT DELIVERY REQUIREMENTS
- 01 66 00 - PRODUCT STORAGE AND HANDLING REQUIREMENTS
- 01 71 14 - MOBILIZATION AND DEMOBILIZATION
- 01 71 33 - PROTECTION OF THE WORK AND PROPERTY
- 01 74 00 - CLEANING
- 01 75 00 - CHECKOUT AND START-UP PROCEDURES
- 01 77 19 - CLOSEOUT REQUIREMENTS
- 01 78 23 - OPERATION AND MAINTENANCE DATA

01 78 36 - WARRANTIES
01 78 43 - SPARE PARTS AND EXTRA MATERIALS
01 81 10 - WIND AND SEISMIC DESIGN CRITERIA

DIVISION 02 — EXISTING CONDITIONS

02 41 00 - DEMOLITION

DIVISION 03 — CONCRETE

03 00 05 - CONCRETE
03 05 05 - CONCRETE TESTING AND INSPECTION
03 15 19 - ANCHORAGE TO CONCRETE

DIVISION 05 — METALS

05 12 00 - STRUCTURAL STEEL
05 14 00 - STRUCTURAL ALUMINUM

DIVISION 07 — THERMAL AND MOISTURE PROTECTION

07 61 13 - METAL ROOFING

DIVISION 26 — ELECTRICAL

26 05 00 - ELECTRICAL - BASIC REQUIREMENTS
26 05 19 - WIRE AND CABLE - 600 VOLT AND BELOW
26 05 26 - GROUNDING AND BONDING
26 05 33 - RACEWAYS AND BOXES
26 05 43 - ELECTRICAL - EXTERIOR UNDERGROUND
26 09 13 - ELECTRICAL METERING DEVICES
26 24 16 - PANELBOARDS
26 24 19 - MOTOR CONTROL EQUIPMENT
26 26 13 - PACKAGE POWER SUPPLY
26 27 26 - WIRING DEVICES
26 28 00 - OVERCURRENT AND SHORT CIRCUIT PROTECTIVE DEVICES
26 28 17 - SEPARATELY MOUNTED CIRCUIT BREAKERS
26 32 15 - ENGINE GENERATOR - NATURAL GAS
26 36 00 - TRANSFER SWITCHES
26 43 13 - SURGE PROTECTION DEVICES FOR LOW-VOLTAGE ELECTRICAL POWER
CIRCUITS
26 50 00 - INTERIOR AND EXTERIOR LIGHTING

DIVISION 27 — COMMUNICATIONS

27 10 00 - STRUCTURED CABLING

DIVISION 31 — EARTHWORK

31 22 00 - SITE GRADING

DIVISION 32 — EXTERIOR IMPROVEMENTS

32 31 13 - CHAIN LINK FENCE AND GATES

DIVISION 40 — PROCESS INTERCONNECTIONS

40 61 13 - PCS GENERAL REQUIREMENTS
40 61 13A - ROCKWELL AUTOMATION PRICING MEMORANDUM
40 61 21 - PCS TESTING
40 61 26 - PCS TRAINING
40 61 43 - SURGE PROTECTION DEVICES (SPD) FOR INSTRUMENTATION AND CONTROL
EQUIPMENT
40 61 93 - PCS INPUT-OUTPUT LIST
40 61 93A - I-O LIST
40 61 93B - RTU I-O REFERENCE LIST
40 61 96 - PROCESS CONTROL DESCRIPTIONS
40 61 99 - PCS LOOP DIAGRAMS
40 62 63 - OPERATOR INTERFACE TERMINALS

40 63 43 - PCS PROGRAMMABLE LOGIC CONTROLLERS
40 63 83 - REMOTE TERMINAL UNITS
40 63 83A - RTU LIST
40 66 00 - NETWORK AND COMMUNICATION EQUIPMENT
40 67 00 - EQUIPMENT PANELS AND RACKS
40 67 33 - PANEL WIRING
40 67 63 - UNINTERRUPTIBLE POWER SUPPLIES (UPS)
40 68 13 - HUMAN MACHINE INTERFACE (HMI) SOFTWARE
40 68 23 - REPORTING SOFTWARE
40 68 63 - CONFIGURATION OF HMI AND OIT SOFTWARE
40 68 66 - CONFIGURATION OF CONTROLLER SOFTWARE
40 68 70 - PROGRAMMING WORKSHOPS
40 72 00 - LEVEL INSTRUMENTATION
40 78 00 - CONTROL AUXILIARIES
40 80 00 - COMMISSIONING OF PCS
40 80 01 - PCS POST-COMMISSIONING TUNING AND OPTIMIZATION SUPPORT SERVICES

APPENDICES



APPENDIX A - SITE LIST
APPENDIX B - REFERENCE DRAWINGS



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00 01 07

SEALS AND SIGNATURES

Owner Name: Union County
Project Name: SCADA Telemetry System and RTU Replacement
Project or Contract Designation: IFB No. 2023-027
Engineer: HDR Engineering, Inc of the Carolinas

	<p>Billy J. Fox, PE</p> <p>The seal and signature to the left applies to the following Specifications divisions and sections of this project manual:</p> <ul style="list-style-type: none">• Control Systems.
	<p>Scott Quin, PE</p> <p>The seal and signature to the left applies to the following Specifications divisions and sections of this project manual:</p> <ul style="list-style-type: none">• Electrical.

 <p>05/18/23</p>	<p>Jeff Lavoie, PE</p> <p>The seal and signature to the left applies to the following Specifications divisions and sections of this project manual:</p> <ul style="list-style-type: none"> • Structural.
	<p>Michael Little, PE</p> <p>The seal and signature to the left applies to the following Specifications divisions and sections of this project manual:</p> <ul style="list-style-type: none"> • Civil.

Engineer’s seal and signature does not apply to the documents that comprise Division 00, Bidding and Contracting Requirements.

It is a violation of applicable laws and regulations governing professional licensing and registration for any person, unless acting under the direction of the licensed and registered design professional(s) indicated above, to alter in any way the Specifications in this project manual.

END OF SEALS AND SIGNATURES

**UNION COUNTY
UNION COUNTY, NORTH CAROLINA**

SCADA Telemetry System and RTU Replacement
IFB # 2023-099

ADVERTISEMENT FOR BIDS

Sealed Bids for the construction of the SCADA Telemetry System and RTU Replacement will be received, by Union County, at 500 N. Main Street, Suite 709, Monroe North Carolina, until **2:00 PM** local time on **Tuesday, June 27, 2023**, at which time the Bids received will be **publicly** opened and read. Late bids will not be accepted.

Project Description of Work:

The Project consists of improvements to Union County's existing Supervisory Control and Data Acquisition (SCADA) system. The work as indicated in the project documents consists of all materials, labor, tools, equipment, apparatus, facilities, transportation and incidentals necessary to construct, furnish, deliver and install the following in general:

1. Replace existing Data Flow Systems (DFS) telemetry system and RTUs installed throughout the county drinking water distribution, wastewater treatment, and sewer collection facilities with new cellular telemetry system and new programmable logic controller (PLC) based RTUs.
2. Replace electrical equipment including power distribution and motor starters / local control panels at select facilities identified throughout the county with new equipment.
3. Install new equipment pads, racks, and shelters at select facilities identified throughout the county.
4. Configure, test, and commission PLC based RTUs at each facility.
5. Modify existing central VTScada application to transfer data connection from DFS telemetry system to the new telemetry system.
6. Configure, test, and commission existing Tier-2 historical data storage.

Bids will be received for a single prime Contract. Bids shall be on a lump sum and unit price basis, with additive alternate bid items as indicated in the Bid Form. The Engineer's Estimate for the Union County SCADA Telemetry System and RTU Replacement project is \$8,400,000. The Project has an expected duration of 1,043 days.

Deadline for Questions: June 16, 2023 by 5:00 PM EDT. Submit all questions about the meaning or intent of the Bidding Documents in writing, to the Procurement contact listed on the cover page, (vicky.watts@unioncountync.gov).

The Issuing Office for the Bidding Documents is:

HDR Engineering, Inc. of the Carolinas
440 South Church Street, Suite 1200
Charlotte, NC 28202-2075

Prospective Bidders may examine the Bidding Documents at the Issuing Office or at the Union County Procurement Division offices at 500 North Main Street, Suite 709, Monroe, North Carolina on Mondays through Fridays between the hours of 8:00 am and 5:00 pm, and may obtain copies of the Bidding Documents from the Issuing Office as described below.

Printed copies of the Bidding Documents may be obtained from the Issuing Office, during the hours indicated above, upon payment of a non-refundable deposit of \$ 100 for each set. Checks for Bidding Documents shall be payable to “HDR Engineering Inc. of the Carolinas”. Upon request and receipt of the document deposit indicated above, the Issuing Office will transmit the Bidding Documents via delivery service. Digital copies of the Bidding Documents may be obtained from the Issuing Office.

Contact LaShion Pettiford at lashion.pettiford@hdrinc.com for either print or digital copies.

The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder’s date of receipt of the Bidding Documents. Partial sets of Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda if any, obtained from sources other than the Issuing Office.

A non-mandatory pre-bid conference for the Project will be held on June 8, 2023 at 2:00 PM EDT at Union County Operations Center, 4600 Goldmine Road, Monroe, North Carolina 28110.

Bidders must have a license to do work as a general contractor in the State of North Carolina, as set forth under Article 1 of Chapter 87 of the North Carolina General Statutes. The Contractor’s North Carolina License number shall be designated on the outside of the envelope containing the bid.

Bidders are required to comply with the non-collusion requirements set forth in the Bidding Documents.

Bid security shall be furnished in accordance with the Instructions to Bidders. Union County reserves the right to reject any or all bids.

Union County encourages good faith effort outreach as described in the Union County MBE and Small Business Outreach Plan. Compliance with Minority and Small Businesses Guidelines and Outreach Plan goals apply. Bidders shall submit a completed identification of Minority Participation form and either an Affidavit A or Affidavit B, as applicable along with their Bid.

The Owner reserves the right to reject any or all bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserve the right to reject the Bid and Bidder whom they find, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid and Bidder if the Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities and technicalities not involving price, time, or changes in the Work and to negotiate, as allowed by law, contract terms with the Successful Bidder.

++ END OF ADVERTISEMENT FOR BIDS ++