



Utility Engineering Consultants, LLC

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130 Southcrest Drive, Suite 100
Homewood, AL 35209
P.O. Box 19218
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October 6, 2023

**City of Cleveland
6732 U. S. Highway 231
Cleveland, AL 35049**

**RE: ADDENDUM NO. 1
 CITY OF CLEVELAND
 AMR WATER METER PROJECT – MATERIAL AND INSTALLATION
 DWSRF PROJECT NO. FS010269-02
 CONTRACT NO. CL23 105**

All Contractors/Suppliers shall acknowledge receipt of Addendum No. 1 for above referenced job by signing and returning this statement by fax to (205) 951-3839 or email to dbrown@uecllc.com

Contractor:

Received by:

Date:



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RE: **ADDENDUM NO. 1**
CITY OF CLEVELAND
AMR WATER METER PROJECT – MATERIAL AND INSTALLATION
DWSRF PROJECT NO. FS010269-02
CONTRACT NO. CL23 105

ADDENDUM NO. 1

The changes, modifications and/or additions covered by and set forth in this Addendum No. 1 shall become part of and be incorporated in the Specifications, Contract Documents and Bid Documents for the above referenced project.

SPECIFICATIONS AND CONTRACT DOCUMENTS

- Section 00410 Bid Form & Proposal Form shall be replaced with the attached **Addendum No. 1 Section 00410 Bid Form & Proposal Form.**
- Section 13528 Part 1.6 Registrar Display Badger Specification shall be replaced with the attached Section 13528 Part 1.6 Badger High Resolution Absolute Encoder.

CLARIFICATION

- The Master Meter meter shall be Cellular AMR

This Addendum No.1 shall be made a part of your set of Construction Contract Documents and Specifications. Acknowledgment of receipt of Addendum No. 1 shall be noted on Page 1 of the Bid Form

UTILITY ENGINEERING CONSULTANTS, LLC

Dave Bechtel

DB/djb

Attachment: **Bid Form & Proposal Form**
Section 13528 Part 1.6 Badger Specifications

ADDENDUM #1

SECTION 00410

BID FORM

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ADDENDUM #1

BID FORM

ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

Town of Cleveland
6732 U. S. Highway 231 Cleveland, AL 35049

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work and including all American Iron and Steel requirements.

D. Bidder has obtained and carefully studied (or accepts the consequences for not doing so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

E. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

ADDENDUM #1

- F. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- G. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- J. Bidder will submit written evidence of its authority to do business in the state where the Project is located not later than the date of its execution of the Agreement.

ARTICLE 4 - FURTHER REPRESENTATIONS

4.01 Bidder further represents that:

- A. this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

ARTICLE 5 - BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

ADDENDUM #1

PROPOSAL FORM

**TOWN OF CLEVELAND
AMR WATER METER PROJECT - MATERIAL AND INSTALLATION
BASE BID - BADGER
DWSRF PROJECT NO FS010269-02
CONTRACT NO. CL23 105**

Contractor's Name _____

License No. _____

1.	3/4" Water Meter Model M25 or equal with Meter Interface Unit and Meter Washers Furnish and Install Complete Per EA	1,230 EA		
2.	1" Water Meter Model E Series or equal with Meter Interface Unit and Meter Washers Furnish and Install Complete Per EA	50 EA		
3.	2" Water Meter E-Series or equal with Meter Interface Unit and Flange Kits Furnish and Install Complete Per EA	20 EA		
4.	Meter Boxes - NDS 1200 with Cast Iron Reader or equal Boxes Furnish and Install Complete Per EA	125 EA		
5.	3/4" Check Valve, Ford or equal Furnish and Install Complete Per EA	200 EA		
6.	1" Check Valve, Ford or equal Furnish and Install Complete Per EA	10 EA		
7.	2" Check Valve, ford or equal Furnish and Install Complete Per EA	8 EA		
8.	3/4" Curb Stop, Ford or equal Furnish and Install Complete Per EA	200 EA		
9.	1" Curb Stop, Ford or equal Furnish and Install Complete Per EA	20 EA		
10.	2" Curb Stop, Ford or equal Furnish and Install Complete Per EA	2 EA		
11.	Meter Bxes - NDS 1500 with Cast Iron Reader or equal Boxes Furnish and Install Complete Per EA	3 EA		
12.	One (1) Mobile Data Collection Units, Software, Connection to CNI Software & Training Furnish and Install Complete Per LS	1 LS		
TOTAL OF BASE BID				

ADDENDUM #1

PROPOSAL FORM

**TOWN OF CLEVELAND
AMR WATER METER PROJECT - MATERIAL AND INSTALLATION
ALTERNATE BID - MASTER METER
DWSRF PROJECT NO. FS010269-02
CONTRACT NO. CL23 105**

Contractor's Name _____

License No. _____

1.	3/4" Water Meter Model M25 or equal with Meter Interface Unit and Meter Washers Furnish and Install Complete Per EA	1230 EA		
2.	1" Water Meter Model M Octave or equal with Meter Interface Unit and Meter Washers Furnish and Install Complete Per EA	50 EA		
3.	2" Water Meter E-Octave or equal with Meter Interface Unit and Flange Kits Furnish and Install Complete Per EA	20 EA		
4.	Meter Boxes - NDS 1200 or equal Boxes Furnish and Install Complete Per EA	125 EA		
5.	Meter Boxes - NDS 1500 or equal Boxes Furnish and Install Complete Per EA	3 EA		
6.	3/4" Check Valve, A. Y. McDonald Meter Nut x FIP or equal Furnish and Install Complete Per EA	200 EA		
7.	1" Check Valve, A. Y. McDonald Model Meter Nut x FIP or equal Furnish and Install Complete Per EA	10 EA		
8.	2" Check Valve, Watts Model 7610/W2 or equal with Brass Meter Flange Kit Furnish and Install Complete Per EA	8 EA		
9.	3/4" Curb Stop, AY McDonald Meter Nut x PNut or equal Furnish and Install Complete Per EA	200 EA		
10.	1" Curb Stop, AY McDonald Meter Nut x PNut or equal Furnish and Install Complete Per EA	20 EA		
11.	2" Curb Stop, AY McDonald 76101W2 or equal Furnish and Install Complete Per EA	2 EA		
12.	One (1) Mobile Data Collection Units, Software, Connection to Casell Software & Training Furnish and Install Complete Per LS	1 LS		
TOTAL OF ALTERNATE BID				

ADDENDUM #1

Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 - ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of this Bid:
 - A. Required Bid security in the form of Bid Bond or check
 - B. List of Proposed Subcontractors
 - C. List of Proposed Suppliers
 - D. List of Project References
 - E. Required Bidder Qualification Statement with Supporting Data
 - F. Affidavit of Non-Collusion
 - G. Bid Bond
 - H. If Bid Amount exceeds \$10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the Supplemental General Conditions;
 - I. If Bid amount exceeds \$25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (AD-1048);
 - J. If Bid amount exceeds \$100,000, signed RD Instruction 1940-Q, Exhibit A-1, Certification for Contracts, Grants, and Loans.
 - K. Manufacturers' Certification letter of compliance with Section 746 of Title VII of the Consolidated Appropriations Act of 2017 (Division A - Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2017) and subsequent statutes mandating domestic preference for all equals or substitutes approved by Addenda for American Iron and Steel products as provided in these Contract Documents.

ARTICLE 8 - DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 - BID SUBMITTAL

- 9.01 This Bid submitted by: _____
If Bidder is: _____

An Individual

Name (typed or printed): _____

ADDENDUM #1

(SEAL) By: _____
(Individual's signature)

Doing business as: _____

A Partnership

(SEAL) Partnership Name: _____

By: _____
(Signature of general partner — attach evidence of authority to sign)

Name (typed or printed): _____

A Corporation

(SEAL) Corporation Name: _____

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By: _____
(Signature — attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____ (CORPORATE SEAL)

Attest _____

Date of Authorization to do business in *Alabama* is ____/____/____.

A Joint Venture

Name of Joint Venture: _____

(SEAL) First Joint Venturer Name: _____

By: _____
(Signature of first joint venturer partner — attach evidence of authority to sign)

Name (typed or printed): _____

Title _____

(SEAL) Second Joint Venturer Name: _____

By: _____
(Signature of second joint venturer partner — attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

ADDENDUM #1

All Bidder's
Business Address _____

Phone No. _____ Fax No. _____

SUBMITTED on _____, 20____

State Contractor License No. _____

**ADDENDUM 1
SECTION 13528
PART 1.6 REPLACEMENT**

**BADGER
HIGH RESOLUTION ABSOLUTE ENCODER**

PART 1 – SCOPE

1.6 REGISTAR DISPLAY

- A. The high resolution absolute encoder shall consist of an 8-dial mechanical local register combined with frictionless light emitting diode (LED) technology to sense the position of the eight numbers wheels for electronic reading purposes. The high resolution encoder shall utilize the industry standard ASCII protocol for connectivity to an approved endpoint.

PART 2 – ELECTRONICS

- A. The encoder's electronic reading shall be obtained through a frictionless form of encoding technology that utilizes optical sensing to determine the position of each number wheel. Absolutely no slide wires, contacts or load fire spring mechanisms will be allowed.
- B. The encoder output shall provide an eight digit reading for AMR/AMI endpoints (number of digits sent to the reading software is dependent on the endpoint it is connected to). The encoder output for touch applications shall have the factory-programmed option of 4, 5, 6, 7 or 8 digits.
- C. Signal output shall be the industry standard ASCII format and signal type shall be three-wire synchronous for AMR/AMI endpoints or two-wire asynchronous for touch endpoints.
- D. Encoder shall provide meter size and unit of measure and factory programmed serial number as part of the encoder message.

SECTION 3 – DISPLAY

- A. The direct read display shall consist of 8 moveable number wheels and depending on the meter model and size, the encoder face may also contain one or two painted-on zeros.
- B. The encoder shall consist of white and black number wheels for readability. The white number wheels correspond to the typical utility standard meter reading. Number wheel colors will be determined by the units of measure, meter model, and size.
- C. Visual reading shall be obtained reading the number wheels from left to right. Based on meter model and size, the dial face shall include coma separators for billions, millions and thousands separators and decimal points for readings below 1 unit of measure, if applicable.
- D. The meter model, size, and unit of measure in gallons, cubic feet or meters cubed shall be designated on the encoder dial face.
- E. The encoder shall have a flow indicator with a calibrated test circle that can be used for on the fly testing. The flow indicator shall be available in different colors to help identify the unit of measure: red for U.S. gallons, blue for cubic feet, and black for cubic meters.

ADDENDUM 1
SECTION 13528
PART 1.6 REPLACEMENT

- F. Date of manufacture shall be indicated on the dial face.

SECTION 4 – ENCLOSURE

- A. The high resolution encoder shall not be in contact with the water being measured. The encoder shall be designed to assemble to the meter with a four-position bayonet and seal screw fastening. The bayonet mount positions the encoder in any of four orientations on a water meter for visual reading convenience. The high resolution encoder shall be designed to permit removal and exchange without removal of the meter from the service installation or interruption of service water supply.
- B. The encoder shall be tamper protected through the use of a tamper-resistant Torx® seal screw or optional proprietary tamper-proof screw that requires a special drive bit to remove the screw. Plastic push pin or plastic tamper devices that need to be destroyed in order to remove the encoder will not be accepted.
- C. The encoder shall be encased in a housing, which shall consist of a glass lens and a non-corrosive metal bottom, which are permanently sealed with adhesive material.
- D. The enclosure must be weatherproof, UV-resistant and permanently sealed to withstand harsh environments and provide moisture resistance in flooded or submerged pit applications. The permanent seal between the glass lens and non-corrosive metal bottom of the encoder enclosure shall utilize an adhesive seal without the use of gaskets and shall meet or exceed all applicable requirements of AWWA Standard C706 and C707. Absolutely no gasketed seals will be allowed. The encoder shall remain fog-free of moisture.
- E. The name or logo of the manufacturer shall be permanently molded and the serial number shall be imprinted on the lid of the encoder box. The lid and shroud components shall overlap to protect the lens and optional identification of the serial number inside the lid. Register box enclosures and lids shall be made of engineering thermoplastic or other suitable synthetic polymer.

SECTION 5 – CONNECTIVITY

- A. The high resolution encoder is provided as either a factory-wired assembly to a remote or pit AMR/AMI endpoint or as an encoder with pre-sized wire harness available for connection in the field. As an option, a connector shall be available to allow connectivity to AMR/AMI devices, without the need for a field splice kit.
- B. For indoor installations and protected environments, a terminal screw version shall also be available. This option shall feature a tamper resistant cover over three wire terminals.