



ENGINEERING
ARCHITECTURE
FIELD SERVICES

**CHESTNUT RIDGE PUBLIC SERVICE DISTRICT
BARBOUR COUNTY, WV**

CONTRACT #2 – WATER METER REPLACEMENT

ADDENDUM #1

NOVEMBER 4, 2022

THRASHER PROJECT #101-010-1052

TO WHOM IT MAY CONCERN:

A non-mandatory Pre-Bid Conference was held on Wednesday, October 26, 2022, for the above-referenced project. The Pre-Bid Conference notes are attached to and made part of this Addendum. A copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions for the above reference project.

A. GENERAL

1. **THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.**
2. If you wish to perform a visit to any of the locations in the plans, please contact the Chestnut Ridge PSD Office at (304) 457-4935 or Contact Sonny Bolyard at (304) 677-0490 (Operator) between the hours of 8:00 am and 4:00 pm to coordinate a site visit.

B. SPECIFICATIONS

Specification Section 011000 – Summary. Please discard the version previously provided and use the attached.

Specification Section 012000 – Price and Payment Procedure. Please discard the version previously provided and use the attached.

C. DRAWINGS

No Changes.

D. QUESTIONS AND RESPONSES

QUESTION

1. What is the Engineer's Estimate for each contract?

RESPONSE

The Engineer's Estimate for Contract #1 is \$3,100,000. The Engineer's Estimate for Contracts #2 is \$550,000. The Engineer's Estimate for Contract #3 is \$410,000.

QUESTION

2. Are AIS or BABA required?

RESPONSE

American Iron and Steel (AIS) requirements are applicable to this project.
Buy America Build America (BABA) requirements are applicable to for this project.

QUESTION

3. How quickly are you looking for this work to start?

RESPONSE

There is a 90-day bid hold for this project.

QUESTION

4. Are drive-by meters acceptable for Chestnut Ridge for Contract #2?

RESPONSE

Yes, a drive by radio read system is acceptable for Chestnut Ridge. Per Specification Section 331213 – Water Service Connections, Section 1.3 Submittals and Section 2.5 Water Meters states that the drive by radio read system must be approved by Green Bank Observatory for use within the Quiet Zone. Documentation of this approval for the Chestnut Ridge Public Service District Project must be provided during the submittal process. Please see clarification #2 for contact information at Green Bank Observatory to gain approval within the Quiet Zone.

QUESTION

5. Can another pay item be added to cover preliminary items such as Engagement Fee, Billing System Integration, Software Interface, Software Licensing Service Units, and Reading Hardware?

RESPONSE

Yes, the bid item “Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training” has been added to the bid form to incorporate the costs for items such as Engagement Fee, Software Interface, software licensing service units, and reading hardware.

Another bid item “Jayhawk Billing Interface Allowance” has also been added to the bid form to allow for an allowance for costs to the contractor that shall be limited to the contractor’s cost from Jayhawk in regard to setting up the interface between the new radio read water meter system and the existing Jayhawk Billing Software.

QUESTION

6. Is the meter installation contractor required to record the pit GPS coordinates associated with each meter account installed?

RESPONSE

No, Chestnut Ridge PSD has the ability to perform their own GPS surveying of water meter locations and will be working on this between now and when the project begins construction.

QUESTION

7. How many months of water meter system software hosting fees should be included in the price of each meter?

RESPONSE

The Contractor shall incorporate five years (60 months) of any monthly or annual fees for the use of a radio read system into their bid price for the bid item of “Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training” from the date of substantial completion, plus any additional time these fees will be applicable between the start of construction until the date of substantial completion. These fees shall include any fees for the implementation of a successful Radio Read Water Meter System as well as service and support fees for the time frame previously specified in the response to this question.

QUESTION

8. Is our pricing to consider just one piece of meter reading hardware?

RESPONSE

Yes, one piece each of all necessary meter reading hardware will be sufficient.

QUESTION

9. Is it required to replace meter well lids as a part of this contract?

RESPONSE

No, the existing meters utilize an existing touch read system where the existing meter well lids have holes in the lids to incorporate the radio read antenna transceiver as a part of the meter replacement. It is anticipated that the contractor will remove the existing touch read equipment and replace it with the radio read equipment utilizing the existing hole in the meter lid.

QUESTION

10. Are the existing water meters in the system flagged or is there any other location indicators?

RESPONSE

Address locations for water meters to be replaced are provided in the Contract #2 Plan Set. At this time, some water meters in the system are flagged, but not all. Chestnut Ridge PSD employees will work to flag meters that are more difficult to find in the coming months while performing meter readings.

E. CLARIFICATIONS

1. The contract time for Contract #2 is being extended to 240 days to substantial completion, 270 days to final completion.
2. As per Specification Section 331213 in Contract #2, the radio read water meter system must be approved for usage within the Green Bank Observatory Quiet Zone.
Contact Sheldon Wasik at Green Bank Observatory to obtain approval:

Sheldon Wasik
NRQZ Program Administrator
nrqz@nrao.edu

nrqz@gb.nrao.edu

304-456-2107

Reference the Chestnut Ridge Water System Improvements Project as well as **NRQZ ID 221020B**

3. Chestnut Ridge PSD currently pays Jayhawk Billing \$800 per year to use the billing interface. The Contractor will not be responsible for this yearly charge. The Contractor will only be responsible for the costs they endure from Jayhawk based upon setting up the interface between the Jayhawk Billing Software and the radio read system. This cost shall be paid for under the bid item “Jayhawk Billing Interface Allowance”
4. Once the contract is awarded, coordination will be performed by the Owner, Engineer and Contractor to get representatives of Jayhawk in contact with the Contractor and all necessary parties in regard to interfacing the Jayhawk billing system with the radio read water meter system.
5. Federal Davis-Bacon Wage Rates are required for this Contract. Wage Rates were checked on November 4, 2022. No update to Wage Rates have been made since the Wage Rates provided in the Contract Documents and Specifications.

F. PRE-BID “APPROVED EQUAL” EQUIPMENT, MATERIALS, AND/OR PRODUCTS

1. Specification Section 331213 – Water Service Connections

While no water meter manufacturer has been granted an “Approved Equal” designation, The Thrasher Group has been in contact with Core & Main, National Road Utility Supply, Inc., Master Meter, and JABO Supply Corp. in regard to qualifications for water meter radio read system approval within the Greenbank Observatory Quiet Zone. Their contact information may be seen below.

Core & Main: Jeff Potter, Jeffrey.potter@coreandmain.com, Office Phone (304) 575-2421

National Road Utility Supply, Inc.: Bruce Carson, bcarson@NRUSI.com, Office Phone (800) 727-6787

Master Meter: Mike Phillips, mphillips@mastermeter.com, Office Phone (937) 902-4663

JABO Supply Corp.: Zack McCoy, zmccoy@jabosupply.com, Office Phone (304) 736-8333

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 1:00 pm local time on Wednesday, November 16, 2022, at 20 Columbia Street, Philippi, WV. After 1:00 pm local time on November 16, 2022, bids will be received until 2:00 pm local time at the Philippi City Building, City Council Chambers, 344 South Main Street, Philippi, WV. The bids will then be publicly opened and read aloud at 2:00 pm local time at the Philippi City Building, City Council Chambers. The Bid opening will take place at the same location and room where the Pre-Bid Conference was held. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE PHILIPPI GROUP, INC.



STEVEN V. BUCHANAN, P.E.
Project Engineer

- Enclosures:
- Pre-Bid Sign-In Sheet
 - Pre-Bid Meeting Notes
 - C-410 Bid Form
 - Specification Section 11000 – Summary
 - Specification Section 12000 – Price and Payment Procedures

**CHESTNUT STREET PUBLIC SERVICE DISTRICT
BARBOUR COUNTY, WEST VIRGINIA
CONTRACT #1 – WATER SYSTEM IMPROVEMENTS
CONTRACT #2 – WATER METER REPLACEMENT
CONTRACT #3 – TELEMETRY**

**PRE-BID CONFERENCE
WEDNESDAY, OCTOBER 26, 2022**

Thrasher Project #010-01052

Name	Representing	Phone #	Email Address
Pete Martin	Gonday Enterprises	304-437-1974	gonday138@gmail.com
JOE RINGLEY	MASSI	740 604-9479	joe@midatlanticstorage.com
Jeremy Winans	Brian Vandevender Contracting	304-413-3109	Jeremy.W@BLAllenco.com
Tony Closson	JF Allen Company	304-460-7424	TClosson@JFAllenCo.com
Rob Hoover	AJ Burk	304-614-3166	rhoover@ajburk.com
R. RICHMOND	FAMCO, INC	304-529-3328	r.richmond.famco@gmail.com
Wes Couse	wandwexcavating/RisingSun	304-669-0919	Ron@RisingSun.com
DERRICK SEARS	FOSTER SUPPLY	304-553-6565	dsears@fostersupply.com

Name	Representing	Phone #	Email Address
CARY SMITH	REGION VII P3DC	304-472-6564	csmith@regionvii.com
Bobby Tenney	Specialty Groups, Inc	304-677-2029	btenney@sgivv.com
Eric Sprouse	Bear Contracting	304-326-0160	estimating@bear-contracting.com
Jeremy Haynes	Performance Power Solutions	304-410-1443	jhaynes@performance-ps.com
Mary M. Poling	CRPSD (Board)	304-677-5373	mary.poling46@gmail.com
Shawn Young	IBEW Local 596	304-622-0151 ext. 14	syoung@ibew596.com
Keith Smith	C2G Engineering	304-922-5022	ksmith@c2geng.com
Patrick Conn	Jennings Excavating Inc	304-288-5333	pconn@jenningsexcavating.com
Vince Huck	NRUSI	724-747-8604	vhuck@nrusi.com
DMS Grafton	Dons Marine Service	304-265-0188	dmsgrafton@aol.com

CHESTNUT RIDGE PUBLIC SERVICE DISTRICT
20 COLUMBIA STREET
PHILIPPI, WV 26416
Phone: (304) 457-4935

THE THRASHER GROUP, INC.
PO Box 940
Bridgeport, WV 26330
Telephone # (304) 624-4108

CONTRACT #1 – WATER SYSTEM IMPROVEMENTS
CONTRACT #2 – WATER METER REPLACEMENT
CONTRACT #3 – TELEMETRY

PRE-BID CONFERENCE NOTES

PROJECT LOCATION: Barbour County, West Virginia

ENGINEER'S PROJECT #: 010-01052

DATE OF CONFERENCE: Wednesday, October 26, 2022, at 10:00 A.M., LPT

CONFERENCE LOCATION: Philippi City Building, City Council Chambers
344 South Main Street
Philippi, WV 26416

PRE-BID AGENDA

I. Introductions

The attached sign-in sheet documents all attendees.

II. General Project Description

The project was generally described as per the Advertisement for Bids.

a. Contract #1 – Water System Improvements

- i. Approx 19,000 LF of waterline installation
- ii. Two new prefabricated booster stations, demolish two existing
- iii. Rehabilitation work for four other pump stations:
 1. New Pumps
 2. Control Panel upgrades
 3. Re plumbing
 4. Etc.
- iv. Two New PRV stations, one as solenoid shut off valve also
- v. Six valve vault rehabilitations
- vi. Repaint four tanks with other rehabilitation work
- vii. Construct new Clemtown Tank and demo existing
- viii. Tank access road repairs, stone, ditching, etc.
- ix. Twelve new gate valves throughout the system

b. Contract #2 – Water Meter Replacement

- i. Approximately 1,150 Water Meter Replacements
- ii. Purchase 60 Water Meters

c. Contract #3 – Telemetry

- i. Sixteen Telemetry Units
 1. Seven Tanks
 2. Seven Booster Stations
 3. Bowmar Hill PRV and Sunrise Valve Vaults

III. General Bidding Information

- a. General – As per the Advertisement for Bids, bids will be received by the Chestnut Ridge Public Service District at their office location at 20 Columbia Street, Philippi, WV 26416 until 1:00 pm local time on November 16th, 2022. After 1:00 pm local time on November 16th, 2022, bids will be received until 2:00 pm local time by the Chestnut Ridge Public Service District at the Philippi City Building, City Council Chambers, 344 South Main Street, Philippi, WV 26416. The bids will be publicly opened and read aloud at 2:00 pm local time.
 - i. Two Envelope System – Described on page BOR-1 of Contract Documents and Specifications
 - ii. Envelope 1 shall contain Bid Opening Requirements and be labeled as such
 1. Name and address of Bidder on front of envelope
 2. Bid for Contract #
 3. Project Owner Name – Chestnut Ridge PSD
 - iii. Envelope 2 – Labeled Bid Proposal
 1. Placed within Envelope 1
- b. Bid Opening Requirements – Described as per the Contract Documents and Detailed Specifications. These are the blue sheets if you have purchased hard copies.
 - i. Checklist of requirements on page BOR-1
 - ii. Checklist must be completed for bid to be opened
- c. Bid Form – Described as per the yellow sheets in the Contract Documents and Detailed Specifications if hard copies were purchased.
 - i. If addendum changes the Bid Form, the new Bid Form that is included in the Addendum must be used when submitting bids. Prices must be given in written form and in numerical form. Written prices govern over numbers if different. Unit prices will be used to verify the lowest bidder.
- d. Method of Award – Contingent upon sufficient funding for the project, the Owner may elect to award the contract to the lowest qualified Bidder on the basis of the total bid. There are no Deductive Alternates for any of the three contracts.

IV. Details of Project

- a. Construction Sequence of Events – Described as per the Project Notes sheet in the Plans.
 - i. During construction of the New Clemtown Water Storage Tank, it is anticipated that the existing tank be left in operation until the new tank is constructed and ready to be put into operation.
 - ii. While the new package booster stations are constructed, it is anticipated that existing booster stations be left in operation until the new booster stations are constructed and ready to be put into operation.
 - iii. While the existing booster station rehabilitation takes place, it is the contractor's responsibility to maintain flow through the stations. It is understood that there may be some down time in the booster stations while making final connections. It is the contractor's responsibility to mitigate these down times as much as possible as well as make the PSD aware of when these down times will occur to ensure that the associated water storage tanks can be filled prior to these down times to keep customers in service.
 - iv. It will be the responsibility of the contractors for Contracts #1 and #3 to coordinate telemetry installation work associated with Contract #3 in regards to the other work to occur at the associated booster stations, water storage tanks, and valve vaults.
- b. Material and Equipment – A general description was provided as per the Bid Forms. Thrasher worked with Rob Trombold of TEPCO in regards to the package booster stations and telemetry equipment.

- c. In regard to water meter replacement in Contract #2, and coordination with the water line replacement work as a part of Contract #1. Contract #2 will be responsible for replacing every meter in the Chestnut Ridge System. Contract #2 can perform their work at any time in regard to Contract #1. If Contract #2 performs the water meter replacement work in the areas of Plan Sheets 3-24 of Contract #1 before Contract #1 has performed the water line replacement, and all necessary work to switch the customers over to the new waterline, then Contract #1 shall be responsible for switching the new meters from the existing meter wells to the new meter wells set as part of Contract #1. If Contract #2 has not performed the water meter replacement work in the areas of Plan Sheets 3-24 of Contract #1, Contract #1 will be responsible for switching the existing meter from the existing meter well to the new meter well. The existing meter will then be replaced as part of Contract #2.
- d. Contract #1 shall be responsible for providing water meters in booster stations and PRV vaults as noted in the plans. These water meters shall be of the same manufacturer as water meters used for replacement in Contract #2. For bidding purposes on Contract #1, use a value of \$3,500 for purchase of a 3" water meter and \$4,000 for purchase of a 4" water meter.
- e. As per Specification Section 331213 in Contract #2, the radio read water meter system must be approved for usage within the Green Bank Observatory Quiet Zone. Contact Sheldon Wasik at Green Bank Observatory to obtain approval:
- Sheldon Wasik
NRQZ Program Administrator
nrqz@nrao.edu
nrqz@gb.nrao.edu
304-456-2107
Reference the Chestnut Ridge Water System Improvements Project as well as **NRQZ ID 221020B**
- f. Prevailing Wages – Federal Davis-Bacon Wage Rates are required for this project.

- V. Submittals – Required for all materials used for the project as per Specification Section 013300. Electronic or hard copies of submittals will be accepted. If hard copies are submitted, provide six (6) copies of all submittals. Three will be returned to the contractor, and one copy each to the Owner, RPR, and Engineer.
- VI. Permits – All required permits have been applied for and received by the owner.
- VII. Land Acquisitions & ROWs – All lands have been acquired and the last ROW is in the condemnation process.
- VIII. B & O Taxes/Building Permits –
 - a. No Business and Occupation taxes are required
 - b. No Building Permits or City Licenses are required
 - c. All work for all Contracts is located outside of the Philippi City Limits
- IX. Addressing Questions – All questions shall be written and provided to Steve Haynes by email at shaynes@thethrasher.com. The close of questions shall be 12:00 noon on Wednesday, November 2nd, 2022. All answers shall be provided in writing via Addenda. **Questions will only be accepted via email to shaynes@thethrasher.com**
- X. Addendum – At least one (1) Addendum will be written and supplied to all plan holders. Any and all Addenda shall be acknowledged by the Contractor on Page BOR-4 as well as Article 3.01 on the Bid Form.
- XI. Funding Agency
 - a. West Virginia Infrastructure Jobs Development Council (WVIJDC)
 - b. Drinking Water Treatment Revolving Fund (DWTRF)
- XII. Project Administrator – Cary Smith, Region VII Planning & Development Council
- XIII. Owner – Chestnut Ridge Public Service District
 - a. Project area cleanup is extremely important. All disturbed area shall be restored to conditions equal to or better than before construction begins. Pre-Construction photo/video documentation will be made by the Engineer for Contract #1 and will be relied upon to establish pre-construction conditions. The contractor is encouraged to document the current conditions of yards, roads, etc. that will be used by the contractor outside of the proposed path of waterline.

- b. Be courteous and cautious to residents in the area. The contractor shall provide two days' notice of when streets/driveways will be closed so arrangements can be made to have vehicles moved prior to the start of work in that area.
 - c. The contractor shall provide accurate, red-lined record/as-built drawings. These drawings shall be updated daily and shall be provided to the Owner as part of project close-out. Contract #2 shall provide completed customer list with meter information as noted in the Plan Set.
- XIV. Question and Answer Session – These shall be included in the questions and answers in Addendum #1.
- XV. Site Visit – No site visit was performed on this day. Contractors are encouraged to contact Chestnut Ridge PSD to coordinate visiting areas of the project at the contractor's discretion. Chestnut Ridge PSD can be contacted at the following phone numbers:
(304) 457-4935 – Chestnut Ridge PSD Office
(304) 677-0490 – Sonny Bolyard (Chestnut Ridge PSD Operator)

**CHESTNUT RIDGE PUBLIC SERVICE DISTRICT
BARBOUR COUNTY, WEST VIRGINIA
PROPOSED
CONTRACT #2 – WATER METER REPLACEMENT
THRASHER PROJECT #010-01052**

BID FORM

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:
*Chestnut Ridge Public Service District
20 Columbia Street
Philippi, WV 26416*

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 ACKNOWLEDGEMENTS

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 90 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, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

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

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous

Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. 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.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that 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 and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies 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 collusive 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 engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

GENERAL

The Bidder shall take notice of and shall be responsible for any local or state taxes levied and applicable, and the cost for the same shall be included as part of the submitted Bid.

The total Bid cost stated includes a complete operating installation including furnishing and installation of any and all changes or additions in plans, piping, mechanical work, additional electrical work, accessories, controls, etc. necessary to accommodate alternative equipment systems or materials used in construction.

BID PROPOSAL

The Bidder agrees to perform all required Work described in the detailed Specifications and as shown on the Plans for the complete construction and placing in satisfactory operation the Contract #2 – Water Meter Replacement Project. The Project "Sequence of Construction" has been detailed in the Drawings and Specification Division 1, Project Summary, Section 011000. The Bidder agrees to perform all the Work proposed for the total of the following Bid prices.

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

PROPOSED
CONTRACT #2 – WATER METER REPLACEMENT
FOR THE
CHESTNUT RIDGE PUBLIC SERVICE DISTRICT
BARBOUR COUNTY, WEST VIRGINIA
THRASHER PROJECT #010-01052

BID SCHEDULE

NOTE: Bid Unit PRICE amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern. Bids shall include sales tax and all other applicable taxes and fees.

Item	Quantity	Description with Unit Price Written	Unit Price	Total Price
1	LS	Mobilization/Demobilization		
			Dollars	
			Cents	
2	1150	Water Meter Replacement (Radio Read)		
	EA		Dollars	
			Cents	

Item	Quantity	Description with Unit Price Written	Unit Price	Total Price
3	60 EA	5/8 " x 3/4" Water Meter (Purchase Only)	Dollars Cents	
4	LS	Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training	Dollars Cents	
5	Allowance	Jayhawk Billing Interface Allowance Five Thousand and Zero	Dollars Cents	\$5,000 \$5,000
TOTAL BID:				
(\$)				

(Amounts are to be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

NOTE: THE CONTRACTOR'S UNIT PRICES SHALL INCLUDE PURCHASE AND INSTALLATION, COMPLETE IN PLACE, PER BID ITEM IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) 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.

METHOD OF AWARD

If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceed such amount, the Owner may reject all bids.

- A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.

- B. 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 15.06 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.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Bid Opening Requirements

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

BIDDER: *[Indicate correct name of bidding entity]*

By:

[Signature] _____

[Printed name] _____

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

SECTION 011000 – SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Project information.
 2. Work covered by Contract Documents.
 3. Access to site.
 4. Specification and drawing conventions.

1.2 PROJECT INFORMATION

- A. Project Identification: Proposed Water Line Rehabilitation Project.
1. Project Location: Barbour County, WV
- B. Owner: Chestnut Ridge Public Service District
1. Owner's Representative: **(To be Determined at the Pre-Construction Conference.)**
- C. Engineer: The Thrasher Group, Inc.
- D. Contractor: **(To be Determined by Bidding)**

1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and consists of the following:
1. 1 LS Mobilization/Demobilization, 1,150 EA Water Meter Replacement (Radio Read), 60 EA 5/8" x 3/4" Water Meter (Purchase Only), 1 LS Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training, Jayhawk Billing Interface Allowance.
- B. Type of Contract.
1. Project will be constructed under a single prime.

1.4 ACCESS TO SITE

- A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

1.5 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
 3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

1. Contact Miss Utility at 1-800-245-4848 or 811 or WV811.com.
2. Install Erosion and Sediment Control Measures.
3. Coordinate work with other contracts.
4. Construct, test, and place into operation all new facilities.
5. Repair all disturbed surfaces.
6. Closeout project

END OF SECTION 011000

SECTION 012000 - PRICE AND PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Cash allowances.
- B. Schedule of Values.
- C. Application for Payment.
- D. Measurement and Payment

1.2 CASH ALLOWANCES (If provided in the Bid Form)

- A. Costs Included in Cash Allowances: Cost of product to Contractor or Subcontractor, less applicable trade discounts; delivery to Site and applicable taxes unless stated otherwise in Allowance Schedule.
- B. Costs Not Included in Cash Allowances but Included in Contract Sum/Price: Product handling at Site including unloading, uncrating, and storage; protection of products from elements and from damage; and labor for installation and finishing unless stated otherwise in Allowance Schedule.
- C. Engineer Responsibilities:
 - 1. Consult with Contractor for consideration and selection of products suppliers and installers.
 - 2. Select products in consultation with Owner and transmit decision to Contractor.
 - 3. Prepare Change Order.
- D. Contractor Responsibilities:
 - 1. Assist Engineer in selection of products, suppliers, and installers.
 - 2. Obtain proposals from suppliers and installers and offer recommendations.
 - 3. Upon notification of selection by Engineer, execute purchase agreement with designated supplier and installer.
 - 4. Arrange for and process Shop Drawings, Product Data, and Samples. Arrange for delivery.
 - 5. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.
- E. Differences in costs will be adjusted by Change Order.
- F. Allowance Schedule: If provided in and as per the Bid Form

- G. Differences in cost between allowance(s) and actual cost(s) will be adjusted by Change Order.

1.3 SCHEDULE OF VALUES (As required for Lump Sum Project or Bid Item Breakdown on Unit Price Project)

- A. Submit printed schedule on Progress Estimate schedule on EJCDC C-620.
- B. Submit Schedule of Values within 20 days after date established in Notice to Proceed.
- C. Format for Lump Sum Project: Use Table of Contents of this Project Manual. Identify each line item with number and title of major Specification Section.
- D. Revise schedule to list approved Change Orders with each Application for Payment.

1.4 APPLICATION FOR PAYMENT

- A. Submit six (6) executed copies of each Application for Payment on EJCDC C-620 - Contractor's Application for Payment.
- B. Submit six (6) copies of executed copies of Abnormal Weather Conditions forms regardless if any days are claimed or not and Affidavit of Payment.
- C. If required in the Contract Documents, submit six (6) American Iron and Steel Qualifying and De Minimus Materials List (if required by the Contract Documents).
- D. Payment Period: Submit at intervals stipulated in the Agreement.

1.5 MEASUREMENT AND PAYMENT

- A. Take measurements and compute quantities. Engineer will verify measurements and quantities.
- B. Unit Quantities: Quantities and measurements indicated on Bid Form are for Contract purposes only. Actual quantities provided shall determine payment.
- C. Payment Includes: Full compensation for required labor, products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application, or installation of item of the Work; overhead and profit.
- D. Final payment for Work governed by unit prices will be made on basis of actual measurements and quantities accepted by Engineer multiplied by unit sum/price for Work incorporated in or made necessary by the Work.
- E. Measurement of Quantities:
 - 1. Weigh Scales: Inspected, tested, and certified by state in which work is being performed or state of origin of materials within past year.
 - 2. Platform Scales: Of sufficient size and capacity to accommodate conveying vehicle.

3. Metering Devices: Inspected, tested, and certified by state in which work is being performed or state of origin of materials within past year.
4. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel, or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.
5. Measurement by Volume: Measured by cubic dimension using mean length, width, and height or thickness.
6. Measurement by Area: Measured by square dimension using mean length and width or radius.
7. Linear Measurement: Measured by linear dimension, at item centerline or mean chord.
8. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as completed item or unit of the Work.

F. Measurement and Payment

1. **General Conditions, Supplemental General Conditions, Specification Divisions 00 and 01 Except for General Conditions - Mobilization/Demobilization, Section 013233 - Photographic Documentation, and Section 015000 - Temporary Facilities and Controls.**

Incidental

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which it is required.
- B. No additional compensation shall be made.

2. **General Conditions – Mobilization/Demobilization**

Bid Item – Mobilization/Demobilization – Lump Sum

or

Incidental

- A. When a lump sum bid item for Mobilization/Demobilization is provided in the Bid Form, this work shall be paid for at the lump sum bid price for construction preparatory operations including, but not limited to, the movement of personnel and equipment to the project site and the establishment of field office(s), building(s), and/or other facilities, and the installation of the project sign if a sign is required in the Supplemental General Conditions

Partial payment not exceeding three percent (3%) of the awarded total contract bid price shall be made as part of the first application for payment after mobilization is completed. The balance of this lump sum bid price shall be paid for as part of the first application for payment after substantial completion.

No deduction shall be made, nor shall any increase be made, in the lump sum bid price for Mobilization regardless of any decreases or increases in the final total contract price or for any other cause.

- B. When a bid item for Mobilization/Demobilization is not provided in the Bid Form, this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which mobilization/demobilization is required.

No additional compensation shall be made.

3. Section 015000 – Temporary Facilities and Controls

Bid Item – Field Office and Sheds – Lump Sum

or

Bid Item – Field Office and Sheds – Per Month

or

Incidental

- A. When a lump sum bid item for Field Office and Sheds is provided in the Bid Form, this work shall be paid for on a prorated basis over the contract length to final completion based on the lump sum bid price.
- B. When a per month bid item for Field Office and Sheds is provided in the Bid Form, this work shall be paid for at the per month bid price.
- C. When a lump sum bid item for Field Office and Sheds is not provided in the Bid Form and a lump sum bid item for Mobilization/Demobilization is provided in the Bid Form, this work shall be included in the lump sum bid price for Mobilization/Demobilization.
- D. When neither a lump sum bid item for Field Office and Sheds is provided in the Bid Form nor a lump sum bid item for Mobilization is provided in the Bid Form, the cost for Field Office and Sheds shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which the Field Office and Sheds are required. No additional compensation shall be made.

4. Section 311100 – Clearing, Grubbing, and Restoration

Clearing and Grubbing - Incidental

- A. The cost for this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which clearing and/or grubbing are required.
- B. No additional compensation shall be made.
- C. All trees and vegetation within temporary construction easement limits shall be cleared (and grubbed is so specified) unless the property owner indicates in writing that certain trees are to remain and that the property owner will assume all responsibilities for removal of the trees in the future. Any such letter from the property owner shall be submitted to the Engineer for the record.

Restoration of Disturbed Area - Incidental

- A. The cost for this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which restoration of Disturbed Area is required.

5. Section 312500 – Erosion and Sedimentation Controls

Bid Item – Erosion and Sedimentation Controls – Lump Sum

or

Incidental

- A. When a lump sum bid item of Erosion and Sedimentation Controls is provided in the Bid Form, this work shall be paid for at the lump sum bid price for all erosion and sedimentation controls at all locations directly and/or indirectly disturbed by the project.

All operation and maintenance costs as well as recordkeeping and reporting costs shall be included in the lump sum bid item.

- B. When a bid item for Erosion and Sediment Controls is not provided in the Bid Form, this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which Erosion and Sediment Controls are required.

All operation and maintenance costs as well as recordkeeping and reporting costs shall be included.

No additional compensation shall be made.

6. Section 331113 – Water Distribution Piping

Bid Item – Water Meter Replacement (Radio Read)

Bid Item – 5/8” x 3/4” Water Meter (Purchase Only)

Bid Item – Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training

Bid Item – Jayhawk Billing Interface Allowance

- A. The unit Bid Price for Water Meter Replacement (Radio Read) shall include all labor, materials, equipment, and all other costs associated with Water Meter Replacement (Radio Read) being satisfactorily installed as according to the Drawings and Details. Water Meter Replacement (Radio Read) shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner’s existing billing software for automatic meter reading and billing. All necessary equipment for Water Meter Replacement (Radio Read) includes but is not limited to water meter and integrated encoder register with pit antenna for radio frequency meter.
- B. The unit Bid Price for 5/8” x 3/4” Water Meter (Purchase Only) shall include all labor, materials, equipment, and all other costs associated with 5/8” x 3/4” Water Meter (Purchase Only) being satisfactorily purchased and delivered to the Chestnut Ridge Public Service District. 5/8” x 3/4” Water Meter (Purchase Only) shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner’s existing billing software for automatic meter reading and billing. All necessary equipment for 5/8” x 3/4” Water Meter (Purchase Only) includes but is not limited to water meter and integrated encoder register with pit antenna for radio frequency meter. Once the purchase of all necessary equipment is made, the materials shall be coordinated with and delivered to the Chestnut Ridge Public Service District.

- C. The Unit Bid Price for Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training shall include all labor, materials, equipment, and all other costs associated with Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training. Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing. All necessary equipment for Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training includes, but is not limited to, Mobile Data Collector, transceiver, data management computer software and any fees associated with the radio read software. Software Annual Fee Entitlement shall be paid for by the Contractor of Contract #2 for a total of five (5) years. Any Associated Training shall be paid for by the contractor.
- D. The Jayhawk Billing Interface Allowance shall be limited to all costs to the Contractor from Jayhawk in regard to setting up the interface between the new radio read water meter system and the existing Jayhawk Billing Software.
- E. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be incorporated as part of the Water Meter Replacement (Radio Read) bid price.

7. Section 331213 – Water Service Connections

Bid Item – Water Meter Replacement (Radio Read)

Bid Item – 5/8" x 3/4" Water Meter (Purchase Only)

Bid Item – Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training

Bid Item – Jayhawk Billing Interface Allowance

- A. The unit Bid Price for Water Meter Replacement (Radio Read) shall include all labor, materials, equipment, and all other costs associated with Water Meter Replacement (Radio Read) being satisfactorily installed as according to the Drawings and Details. Water Meter Replacement (Radio Read) shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing. All necessary equipment for Water Meter Replacement (Radio Read) includes but is not limited to water meter and integrated encoder register with pit antenna for radio frequency meter.
- B. The unit Bid Price for 5/8" x 3/4" Water Meter (Purchase Only) shall include all labor, materials, equipment, and all other costs associated with 5/8" x 3/4" Water Meter (Purchase Only) being satisfactorily purchased and delivered to the Chestnut Ridge Public Service District. 5/8" x 3/4" Water Meter (Purchase Only) shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing. All necessary equipment for 5/8" x 3/4" Water Meter (Purchase Only) includes but is not limited to water meter and inte-

grated encoder register with pit antenna for radio frequency meter. Once the purchase of all necessary equipment is made, the materials shall be coordinated with and delivered to the Chestnut Ridge Public Service District.

- C. The Unit Bid Price for Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training shall include all labor, materials, equipment, and all other costs associated with Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training. Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training shall include all necessary appurtenances to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing. All necessary equipment for Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training includes, but is not limited to, Mobile Data Collector, transceiver, data management computer software and any fees associated with the radio read software. Software Annual Fee Entitlement shall be paid for by the Contractor of Contract #2 for a total of five (5) years. Any Associated Training shall be paid for by the contractor.
- D. The Jayhawk Billing Interface Allowance shall be limited to all costs to the Contractor in regard to setting up the interface between the new radio read water meter system and the existing Jayhawk Billing Software.
- E. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be incorporated as part of the Water Meter Replacement (Radio Read) bid price.

8. All other Specification Divisions

Incidental

- A. Unless unit bid item(s) are provided in the Bid Form, the cost of this work shall be included in the unit bid item(s) for which the specific item(s) are required.
- B. No additional compensation shall be made.

G. Unit Price Schedule

1. Bid Item 1 – Mobilization/Demobilization

- A. The cost of this work shall be paid for at the contract lump sum bid price for all mobilization and demobilization activities required for the project.
- B. Partial payment not exceeding three percent (3%) of the original total contract bid price shall be made as part of the first application for payment. The balance of this contract lump sum bid price shall be considered as demobilization and shall be paid for upon substantial completion.
- C. No deduction shall be made, nor shall any increase be made, in the contract lump sum bid price for Mobilization/Demobilization regardless of any decreases or increases in the final total contract price or for any other cause.
- D. No additional compensation shall be made.

2. Bid Item 2 – Water Meter Replacement (Radio Read).

- A. This Bid Item shall include all required labor, materials, equipment, and all other costs associated with Water Meter Replacement (Radio Read) being satisfactorily installed as indicated in the Drawings and Details.
 - B. The unit Bid Price shall be per Each.
 - C. This Bid Item shall include the purchase and installation of all necessary equipment to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing.
 - D. All necessary equipment for this bid item includes, but is not limited to, water meter and integrated encoder register with pit antenna for radio frequency meter.
3. Bid Item 3 – 5/8" x 3/4" Water Meter (Purchase Only)
- A. This Bid Item shall include all required labor, materials, equipment, and all other costs associated with 5/8" x 3/4" Water Meter (Purchase Only) being satisfactorily purchased and delivered to the Chestnut Ridge Public Service District.
 - B. The unit Bid Price shall be per Each.
 - C. This Bid Item shall include the purchase and delivery of all necessary equipment to effectively operate a Radio Read system of meter reading and be compatible with the Owner's existing billing software for automatic meter reading and billing.
 - D. All necessary equipment for 5/8" x 3/4" Water Meter (Purchase Only) includes, but is not limited to, water meter and integrated encoder register with pit antenna for radio frequency meter.
4. Bid Item 4 – Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training
- A. This Bid Item shall include all required labor, materials, equipment, and all other costs associated Radio Read Hardware, Software Annual Fee Entitlement, and any Associated Training.
 - B. The unit Bid Price shall be lump sum.
 - C. This Bid Item shall include the purchase and delivery of all necessary Radio Read Hardware. The equipment shall be delivered to Chestnut Ridge Public Service District.
 - D. This Bid Item shall include five (5) years of Software Annual Entitlement Fee for the use of the Radio Read System.
 - E. This Bid Item shall include all necessary training fees for the Radio Read System.
5. Bid Item 5 – Jayhawk Billing Interface Allowance
- A. This Bid Item shall be limited to all costs to the Contractor by Jayhawk in regard to setting up the interface between the new radio read system and the existing Jayhawk Billing Software.

Chestnut Ridge Public Service District
Contract #2 - Water Meter Replacement

Revised per Addendum #1
November 4, 2022
010-01052

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION - Not Used

END OF SECTION 012000

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