

# CITY OF IRONWOOD



## Well Rehabilitation Bid

Municipal Well #203 (Big Spring)

March 2021

## **BID ADVERTISEMENT**

The City of Ironwood is soliciting bids for Well Rehabilitation (Well #203) in the City of Ironwood Michigan.

The Ironwood City Clerk in the Memorial Building, Ironwood, Michigan 49938, will receive sealed offers until 10:00 A.M. C.S.T. Tuesday, March 30, 2021 at which time the bids shall be read aloud.

Bid Documents may be obtained from the City Clerk, Memorial Building, Ironwood, Michigan 49938. (906) 932-5050.

The City reserves the right to accept or reject any and all bids.

Karen M. Gullan  
City Clerk

Legal Ad

Please Run: Feb. 26 and March 5, 2021

# CITY OF IRONWOOD



Proposal for Well Rehabilitation Well #203

With Bids Received Until 10:00 A.M. C.S.T.  
on Tuesday, March 30, 2021

PROPOSAL OF: \_\_\_\_\_ Company  
\_\_\_\_\_ Address  
\_\_\_\_\_ Phone

Location: Type      Big Springs Wellfield  
of Work:              Well Rehabilitation  
Completion Date:    July 30, 2021  
Notice to Bidders:   In Submitting Your Bid, You Must Return This Complete Proposal

# CITY OF IRONWOOD

The City of Ironwood Michigan is requesting bids for well habilitation at well number 101 at the City of Ironwood Spring Creek well field. This project includes abandoning the current line shaft pump and replacing it with a new submersible pump meeting the same characteristics as the line shaft. **All work must be completed by July 30, 2021.**

<u>ITEM#</u>	<u>TYPE</u>	<u>QUANTIT</u> <u>Y</u>		<u>UNIT</u> <u>PRICE</u>	<u>TOTAL PRICE</u>
1	Mobilization Ingress/Egress	1	ea.	\$ _____	\$ _____
2	Televis Well (Pre)	1	ea.	\$ _____	\$ _____
3	Mechanical Cleaning (concussive)	12	hours	\$ _____	\$ _____
4	Mechanical Cleaning (wire brush)	1	ea.	\$ _____	\$ _____
5	Furnish and Apply Chemical Treatment	1	ea.	\$ _____	\$ _____
6	High Pressure Jetting	1	ea.	\$ _____	\$ _____
7	Televis (Post)	1	ea.	\$ _____	\$ _____
8	Install New Submersible Pump, Wire & Test.	1	ea.	\$ _____	\$ _____
9	Provide & install new variable frequency drive (VFB)	1	Ea.	\$ _____	\$ _____
10	Replace existing Airline with a new Rubber Airline.	1	Ea.	\$ _____	\$ _____
11	Install approximately 100 ft of 1-inch PVC to guide transducer.	1	Ea.	\$ _____	\$ _____

**TOTAL BID PRICE** \$ \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ FAX: \_\_\_\_\_

\_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

## **SPECIAL PROVISIONS**

### **1. Consideration of Proposals**

- (a) One Contract will be awarded to the lowest responsive and responsible bidder based on the total bid price for all items. The City reserves the right to accept or reject any or all bids and to waive technicalities as may be deemed best for the interests of the City of Ironwood.

### **2. Requirements for Performance Security and Payment Security**

- (a) The successful bidder, at the execution of the contract, shall furnish security to guarantee faithful performance of the contract in the amount of 100% of the total contract price.
- (b) The successful bidder shall also furnish security to guarantee payment to all persons supplying labor or materials in the performance of the contract in the amount of 100% of the total contract price.
- (c) Security may be in the form of a performance bond and payment bonds, postal money order, certified check or cashier's check.
- (d) Upon completion of project the contractor shall provide lien waivers from all contractors and suppliers.
- (e) A 5% bid bond shall be included with the bid submitted.

### **3. Commencement, Execution and Completion of Work**

- (a) The Contractor shall be required to complete work under this Contract by July 30, 2021.
- (b) Execute the work diligently.
- (c) Working hours are between 7:00 A.M. and 11:00 P.M.
- (d) A work schedule shall be provided and approved by a City Representative. A minimum of 48-hour notice shall be given prior to beginning work.
- (e) No work shall be done on Saturdays or Sundays unless approved in advance by a City Representative.
- (f) The contractor shall coordinate all work closely with the City Representative.

4. **Failure to Complete Work Within Contract Time**

If the Contractor fails to prosecute the work, or any separate part thereof with such diligence as will ensure its completion within the time specified in this contract, fixed and agreed Liquidated Damages will be assessed for each calendar day of delay until the work is completed and accepted.

Work to be Completed by:

Daily Charge

July 30, 2021

\$200.00

5. **Warranty**

The contractor shall be responsible for any and all defects that may develop in any part of the entire work or materials furnished by him/her for a period of one year from the time the final billing payment is made. Upon written notice of the City of Ironwood, the contractor shall immediately replace and make good, without expense to the owner, any material or workmanship.

6. **Clean Up**

The contractor shall at all times keep work areas free from accumulations of waste material or rubbish. Upon completion of work, the contractor shall remove all waste, tools, equipment, and surplus materials from all work areas.

7. **Additional Responsibilities**

The contractor, employees, or representatives of the contractor shall conduct themselves in a professional manner. The contractor shall make a reasonable attempt to notify residents or business of any interruption of normal services.

8. **Definitions**

- (a) Calendar Day: Every day shown on the calendar, Saturday's, Sundays, and holidays included.
- (b) City Representatives designated for the administration of this contract shall be:
  - a. Tim Pertile, Pump Station Operator 906-285-9026
  - b. Bob Tervonen, Utilities Manager 906-932-5050 x 111
  - c. Bob Richards, DPW Supervisor 906-364-9044
  - d. Scott Erickson, City Manager 906-932-5050 x 116

**9. Project Description**

The City of Ironwood abandoned the current line shaft pump and need to install a new submersible pump meeting the same characteristics. During the project, well #203 will need to be televised and cleaned.

Well depth	112'
Static	40'
Pumping level	85'
Screen	96' to 112' (confirm)
Pump Screen Proposed Depth	107' (may vary after televising)
Total Dynamic Head	30 lbs
Pump Discharge	400 gpm
Maximum Motor Speed	Unknown
Motor Voltage	280 Volt
Motor Phase	3 Phase
New Motor Control	ABB VFD or Approved Equal

\*Info is approximate and will need to be verified as a part of this project.

**10. Explanation of Bid Items**

- (a) Bid Item #1 – Mobilization to and from site.
- (b) Bid Item #2 – Televis well and provide color video with digital format of report prior to cleaning. Must run water down well casing to clean for televising.
- (c) Bid Item #3 – Concussive or air pressure cleaning to clean interior of casing. Include up to 12 hours of surge blocking.
- (d) Bid Item #4 – Mechanical cleaning with wire brush to clean screen.
- (e) Bid Item #5 – Furnish and apply chemical treatment. Must be neutralized at discharge.
- (f) Bid Item #6 – High pressure jetting to clean the aquifer.
- (g) Bid Item #7 – Televis well and provide color video with digital format of report after cleaning. Confirm well casing sizes and screen locations.
- (h) Bid Item #8 – Install new submersible pump and test. Must meet specification stated in Section 9 of this Bid Package. Provide shop drawings to the City for review and acceptance prior to ordering. Shop drawing acceptance does not relieve the Bidder for providing a complete working project. Provide results of static pressure, pump level, total dynamic head and pump amperage. City of Ironwood staff will take consecutive water test samples, 24-hours apart prior to putting the well back into service.
- (i) Bid Item #9 – Provide and install new variable frequency drive (VFD) to replace the existing soft start.
- (j) Bid Item #10 – Replace existing airline with new rubber airline.
- (k) Bid Item #11 – Install approximately 100 ft of one-inch PVC as a transducer guide and connect to existing port.

**BIDDING REOUIREMENTS**  
**CONDITIONS AND CONTRACT ADMINISTRATION**

**1. Competency of Bidders**

The City Manager reserves the right to select bidders and may refuse to issue a proposal to any individual, partnership, firm or corporation based upon but not limited to one or more of the following facts:

- (1) For having defaulted on previous contracts.
- (2) For having preformed similar work in an unsatisfactory manner.
- (3) When, in the City Manager's judgment, the bidder does not have the required experience in the class of work bid on, fails to have the proper labor and equipment, or fails to have sufficient capital or quick asset to finance the work.
- (4) Provide references and contact information.

**2. Interpretation of Estimates, Specifications, Special Provisions and Site of Work**

The estimated quantities on the proposal are approximate only and given as a basis to compare bids. The City does not assume any responsibility that these quantities will remain unchanged in actual construction. The bidder is required to examine carefully the site of work, plans, specifications, and contract form for the proposed work. Please contact Tim Pertile at 906-285-9026 to arrange a tour of the project prior to bids. The bidder shall verify the conditions to be encountered, as in the work, materials furnished, and in the above documents. The bidder is required to familiarize themselves with the Federal, State, and Local laws, which may affect the work, workers, or materials furnished.

**3. Delivery of Proposal**

Each proposal must be submitted in a sealed envelope with the bidder's name and address on the outside of the envelope. All proposals must be received on or before the hour stated in the advertisement. More than one proposal for the same project from an individual, partnership, firm, or corporation will not be considered. Faxed bids shall not be accepted.

**4. Public Opening of Proposals**

Proposals will be opened publicly and read aloud at the hour, date, and place set in the advertisement.



**REQUIRED INSURANCE**

- (a) Workmen's Compensation Insurance. The Contractor, prior to the execution of the Contract, shall file a certification that the Contractor carries Worker's Compensation Insurance.
  
- (b) Bodily Injury and Property Damage Insurance. The Contractor prior to execution of the Contract, shall file with the City of Ironwood copies of completed certificates of insurance, as evidence that the Contractor carries adequate insurance to afford protection against all claims for damages to public or private property and injuries to persons, arising out of and during the progress of work. The minimum limits of insurance shall be as follows:
  - (c) General Liability  
Bodily Injury and Property Damage Liability:  
Each Occurrence.....\$1,000,000  
Aggregate.....\$2,000,000
  
  - (d) Automobile Liability Insurance (Comprehensive Form)  
Bodily Injury Liability:  
Each Person.....\$500,000  
Each Occurrence.....\$1,000,000  
  
Property Damage Liability:  
Each Occurrence.....\$1,000,000  
  
Combined Single Limit for Bodily Injury and  
Property Damage Liability:  
Each Occurrence.....\$2,000,000
  
- (e) The requirements for 1 and 2 above may be met through an Umbrella Policy.
  
- (f) Owners Protective Liability. Bodily injury and property damage protection, including general supervision performed, shall be extended to the City of Ironwood employees and agents. The minimum limit shall be \$1,000,000.

**Kleiman Well Drilling**

P.O. Box 704  
Iron Mountain, MI 49801  
Phone 800-672-7201  
Fax 906-774-0425

**Water Well Solutions**

N87 W36051 Mapleton Street  
Oconomowoc, WI 53066  
Phone 920-474-4777  
Fax 920-474-4771

**Binz**

6400 Odanah Road  
Hurley, WI 54534  
Phone 715-561-5590  
Fax: 715-561-5451  
[binzbros@hotmail.com](mailto:binzbros@hotmail.com)

**Municipal Well & Pump**

1212 Storbeck Drive  
Waupun, Wisconsin 53963  
Phone: 920-324-3400  
Fax: 920-324-3431  
[bbrodersen@municipalwellandpump.com](mailto:bbrodersen@municipalwellandpump.com)

**Xylem**

N26 W23445 Paul Rd  
Pewaukee, WI 54072  
Phone: 262-506-2356  
[Matthew.mueller@xylemic.com](mailto:Matthew.mueller@xylemic.com)

**Bergerson Caswell, Inc.**

5115 Industrial Street  
Maple Plain, MN 55359  
Phone 763-479-3121  
Fax 763-479-2183

**Empire Pipe**

Phone 877-295-2409  
[wsumner@empirepipe.com](mailto:wsumner@empirepipe.com)

**Webster Well Drilling**

7601 Highway 51 South  
Minocqua, WI 54548  
Phone 715-356-6677

TAX NO:

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER WELL AND PUMP RECORD

PERMIT NO: **COPY**

1. LOCATION OF WELL  
County **GOGBRIC**

Township Name **FRONWOOD**

Fraction **NE 1/4 SW 1/4**

Section No. **31**

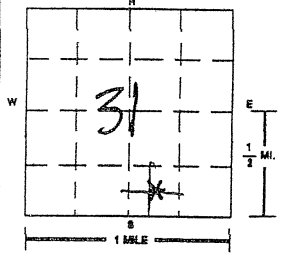
Town No. **48N**

Range No. **47W**

Distance and Direction from Road Intersection  
**3/8 mi W. of Norland Rd  
1/8 mi S. of Big Spring Rd**

Street Address & City of Well Location

Locate with 'x' in Section Below



3. OWNER OF WELL **CITY OF FRONWOOD**  
Address **213 S. MARQUETTE ST,  
FRONWOOD, MI**  
Address Same as Well Location  Yes  No

4. WELL DEPTH: **112** ft. Date Completed **3 26 98**  
 New Well  
 Replacement Well

5.  Cable Tool  Rotary  Driven  Dug  
 Hollow Rod  Auger/Bored  Jetted  **Drill pipe**

6. USE:  Household  Type I Public  Type III Public  
 Irrigation  Type IIa Public  Heat Pump  
 Test Well  Type IIb Public

7. CASING:  Steel  Threaded  
 Plastic  Welded  
 Other  
Height: Above/Below Surface: **2** ft  
Diameter: **12** in. to **97 1/2** ft. depth  
Weight: **49.56** lbs./ft.  
BORE HOLE:  Drive Shoe  
Diameter: **18** in. to **87** ft. depth  
 Shale Packer

8. SCREEN:  Not Installed  Gravel-Packed  
Type **304 SS** Diameter **12" TELESCOPE**  
Slot **1035** Length: **15'-11"**  
Set Between **96'-1"** ft. and **112'** ft.  
FITTINGS:  K-Packer  Bremer Check  
 Blank Above Screen **Double K Packer**

9. STATIC WATER LEVEL:  
**39 1/2** ft. Below Land Surface  Flowing

10. PUMPING LEVEL: Below Land Surface  
**86** ft. After **24** hrs. Pumping at **450** G.P.M.  
 Plunger  Bailor  Air  Test Pump

11. WELL HEAD COMPLETION:  
 Pitless Adapter  2" Above Grade  
 Basement Offset  Well House

12. WELL GROUTED?  No  Yes From **82** to **87** ft.  
 Neat Cement  Bentonite  Other  
No. of Bags **80** Additives

13. NEAREST SOURCE OF POSSIBLE CONTAMINATION:  
Type **Creek** Distance **175** ft. Direction **N**  
Type \_\_\_\_\_ Distance \_\_\_\_\_ ft. Direction \_\_\_\_\_

14. PUMP:  Not Installed  Pump Installation Only  
Manufacturer's Name \_\_\_\_\_  
Model Number **Install later** Volts \_\_\_\_\_  
Length of Drop Pipe \_\_\_\_\_ ft. Capacity \_\_\_\_\_ G.P.M.  
TYPE:  Submersible  Jet  Other  
PRESSURE TANK: \_\_\_\_\_  
Manufacturer's Name \_\_\_\_\_  
Model Number \_\_\_\_\_ Capacity \_\_\_\_\_ Gallons

2. FORMATION DESCRIPTION	THICKNESS OF STRATUM	DEPTH TO BOTTOM OF STRATUM
<b>Brown F-C sand/gravel pack</b>	<b>15</b>	<b>15</b>
<b>brown F-M sand, gravel, cobbles, pebbles</b>	<b>20</b>	<b>35</b>
<b>brown VF-F sand</b>	<b>6</b>	<b>41</b>
<b>brown-gray VF sand, gravel, boulders</b>	<b>12</b>	<b>53</b>
<b>brown VF-L clayey sand, trace of gravel</b>	<b>9</b>	<b>62</b>
<b>gray F-L sand, trace of gravel</b>	<b>18</b>	<b>80</b>
<b>gray clay, trace of gritty sand</b>	<b>7</b>	<b>87</b>
<b>gray-pink-red clay</b>	<b>8</b>	<b>95</b>
<b>m-c sand</b>	<b>1</b>	<b>96</b>
<b>clay &amp; pebbles</b>	<b>1</b>	<b>97</b>
<b>m-c sand, fine gravel</b>	<b>15</b>	<b>112</b>
<b>clay</b>	<b>7</b>	<b>119</b>
<b>v to mc sand, gravel</b>	<b>4</b>	<b>123</b>
<b>dirty sandy gravel</b>	<b>11</b>	<b>134</b>
<b>gravel, mc sand, rocks</b>	<b>17</b>	<b>151</b>

USE A 2ND SHEET IF NEEDED

15. ABANDONED WELL PLUGGED?  Yes  No  
Casing Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
PLUGGING MATERIAL:  Neat Cement  Bentonite Slurry  
 Cement/Bentonite Slurry  Concrete Grout  Bentonite Chips  
No. of Bags \_\_\_\_\_ Casing Removed?  Yes  No

16. REMARKS: (Elevation, Source of Data, etc.)  
**Well 203 ± 11 S of Wellhouse**

17. DRILLING MACHINE OPERATOR:  
 Employee  Subcontractor  
Name **GREG MARKEZAE**

18. WATER WELL CONTRACTOR'S CERTIFICATION:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
**Contract Drilling Services, Inc 0213**  
REGISTERED BUSINESS NAME REGISTRATION NO.  
Address **5820 W. Dwan Rd. Seville, MI**  
Signed **Robert J. Lake** Date **26 Mar 98**  
AUTHORIZED REPRESENTATIVE

IMPORTANT: File with deed.