



City of Prineville

387 NE THIRD STREET ♦ PRINEVILLE, OREGON 97754

DEPARTMENT OF PUBLIC WORKS

ENGINEERING DEPARTMENT

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Date: August 17, 2017

To: Prineville City Council

From: Eric Klann, City Engineer

Staff Report: Intent to Award "Prineville ASR Feasibility Exploratory Boring"

Overview:

On August 17, 2017, the City of Prineville received bids for the exploratory boring and feasibility for the Aquifer Storage and Recovery project. This project will help determine whether drilling shallow wells near the Crooked River will produce an adequate supply of water needed for the ASR project. This project will include:

- Installation of a series of 12" and 16" wells
- Development of those wells to determine the available yield
- Abandonment of unnecessary wells

The start date for this project shall be no sooner than the 31st day of August, 2017, with a completion date of no later than the 31st day of December, 2017. A mandatory pre-bid conference was held Tuesday August 8th at Prineville City Hall, and was attended by 3 contractors. We received 2 responsive bids ranging in price from \$221,014.00 to \$390,347.90 as shown below.

| | |
|------------------------------------|--------------|
| 1. Abbas Well Drilling | \$221,014.00 |
| 2. Yellow Jacket Drilling Services | \$390,347.90 |

The Engineer's estimate for this project was \$241,150.00.

Staff Recommendation:

After reviewing the bid documents, bonds and first tier subcontractor lists, staff recommends Council approve the Intent to Award of the contract for the Prineville ASR Feasibility Exploratory Boring Project to Abbas Well Drilling of Redmond, Oregon for \$221,014.00.

(7)

| Component A | | | ABBAS | | Yellow Jacket | |
|-------------|--------|--|--------------|---------------|---------------|---------------|
| | unit | | unit price | extended | unit price | extended |
| A1. | 1 LS | Mobilization, permitsw, clean-up, demobilization | \$ 25,000.00 | \$ 25,000.00 | \$ 39,500.00 | \$ 39,500.00 |
| A2. | 420 LF | Drill up to 3 Wells - 16" | \$ 180.00 | \$ 75,600.00 | \$ - | \$ - |
| | 420 LF | Single Acceptable Drilling Method | | | \$ 71.20 | \$ 29,904.00 |
| | 420 LF | Combined Sampling and Drilling Method | | | \$ 178.21 | \$ 74,848.20 |
| A3. | 284 LF | Sampling | \$ 35.00 | \$ 9,940.00 | \$ 127.00 | \$ 36,068.00 |
| | 142 LF | Air Rotary Casing Hammer | \$ 120.00 | \$ 17,040.00 | \$ 127.00 | \$ 18,034.00 |
| A4. | 120 LF | Furnish and Install 2 exploratory wells | | | \$ - | \$ - |
| A5. | 120 LF | Furnish and Install 1 exploratory wells | \$ 110.00 | \$ 13,200.00 | \$ - | \$ - |
| | 120 LF | Drill up to 3 Wells - 12" | | | \$ 71.20 | \$ 8,544.00 |
| | 120 LF | Single Acceptable Drilling Method | | | \$ 166.25 | \$ 19,950.00 |
| | 84 LF | Combined Sampling and Drilling Method | | | \$ 80.45 | \$ 6,757.80 |
| A6. | 42 LF | Sampling | \$ 25.00 | \$ 2,100.00 | \$ 80.45 | \$ 3,378.90 |
| | 6 Ea | Air Rotary Casing Hammer | \$ 100.00 | \$ 4,200.00 | \$ 2,380.00 | \$ 14,280.00 |
| A7. | 36 HR | Furnish and Install 2 exploratory wells | \$ 300.00 | \$ 10,800.00 | \$ 404.00 | \$ 14,544.00 |
| A8. | 1 LS | Furnish and Install 1 exploratory wells | \$ 6,000.00 | \$ 6,000.00 | \$ 9,100.00 | \$ 9,100.00 |
| A9. | 1 LS | Furnish and Install 6 Well Seals | \$ 600.00 | \$ 600.00 | \$ 410.00 | \$ 410.00 |
| A10. | 1 CY | Develop 6 Wells | \$ 500.00 | \$ 500.00 | \$ 325.00 | \$ 325.00 |
| A11. | | Abandon exploratory wells | | | | |
| A12. | | Install locking metal caps | | | | |
| | | Installation of formation stabilizing cement | | | | |
| | | | | \$ 176,980.00 | | \$ 275,643.90 |

| Component B | | | ABBAS | | Yellow Jacket | |
|-------------|--------|---|-------------|--------------|---------------|---------------|
| | unit | | unit price | extended | unit price | extended |
| B1. | 1 LS | Furnish ad install and remove Deep well 60 HP Pump | \$ 9,416.00 | \$ 9,416.00 | \$ 9,050.00 | \$ 9,050.00 |
| B2. | 1 LS | Furnish ad install and remove Shallow well 60 HP Pump | \$ 4,693.00 | \$ 4,693.00 | \$ 4,950.00 | \$ 4,950.00 |
| B3. | 1 LS | Install and remove vented Transducer | \$ 200.00 | \$ 200.00 | \$ 1,000.00 | \$ 1,000.00 |
| B4. | 1 LS | Provide, install, remove temp pipe | \$ 1,325.00 | \$ 1,325.00 | \$ 1,000.00 | \$ 1,000.00 |
| B5. | 16 HR | Conduct step drawdown test | \$ 125.00 | \$ 2,000.00 | \$ 394.00 | \$ 6,304.00 |
| B6. | 240 HR | Conduct continuous pump test | \$ 55.00 | \$ 13,200.00 | \$ 192.50 | \$ 46,200.00 |
| B7. | 240 HR | Conduct well recovery test | \$ 55.00 | \$ 13,200.00 | \$ 192.50 | \$ 46,200.00 |
| | | | | \$ 44,034.00 | | \$ 114,704.00 |

Total Bid

\$ 221,014.00

\$ 380,347.90