

## **ADVERTISEMENT FOR BIDS**

Separate sealed Bids for the replacement of Municipal Production Well will be received by the Department of Public Services at 301 W. Main Street, Owosso, MI 48867 until 2:00 p.m. eastern standard time, on September 19, 2017, and then at said location publicly opened and read aloud.

The Contract Documents may be examined at the following locations:

Owosso City Hall, 301 West Main Street, Owosso, MI  
The city's website at [www.ci.owosso.mi.us](http://www.ci.owosso.mi.us) or on the MITN website at [www.mitn.info](http://www.mitn.info)

Bids received after the above date and time will not be considered.

Fax transmittals of Bids will not be accepted. The Owner reserves the right to waive any informalities or to reject any or all Bids. No Bidder may withdraw their Bid within 90 days after the actual date of Bid opening.

## **REQUEST FOR PROPOSALS**

Hintz Road Well Field Rehabilitation - New Municipal Production Well Bid Proposal

Pre-Bid: September 12, 2017 on site at 1260 N. Hintz Road (behind 1265 N. Hintz Road)

Proposal Due: September 19, 2017

Address Proposal to: Department of Public Services, City Hall, 301 W. Main Street, Owosso, MI 48867 C/O Hintz Road Well

## **PROJECT LOCATION:**

Hintz Road Well Field Site 1260 N. Hintz Road

## **BACKGROUND INFORMATION**

The existing Hintz Road Well Site contains one of the six active wells the City of Owosso owns and operates to provide municipal water service to our customers. The Hintz Road Well was originally drilled in 1968, and is a 16" diameter well. In 2005 the well was rated at pumping capacities of 600 GPM at 126 feet of TDH. The total well depth is 87 feet. The Hintz Road Well has not been active since August 2016. It was producing very limited quantities of water up to that time and then locked up. A new access road to the well field was constructed in 2016.

## **SCOPE OF SERVICES**

The City of Owosso is seeking a qualified State of Michigan licensed Type I Water Supply Contractor, to provide a hydrogeology study, aquifer test, identification of proposed Standard Isolation Area, drilling services, chemical analysis of water from test wells, site plan with location of proposed production wells, and detailed construction specifications for the proposed production wells. In addition, the existing Hintz Road production well no longer in operation, shall be plugged and abandoned. Further, recommendations for well house construction shall be submitted. Finally, detailed specifications for distribution piping shall be developed for connection to existing raw water lines.

The Michigan Department of Environmental Quality (MDEQ) has provided the city of Owosso written authorization to construct two test wells with specified conditions. The Hintz Road Well Field area currently has four (4) observation wells in place. Observation wells located within the Standard Isolation Area, must be grouted with neat cement per MDEQ.

The Michigan Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), and the rules promulgated pursuant to Act 399, provide specific direction on the information that needs to be submitted to the MDEQ for review and approval before a production well construction permit can be issued. Contractors should familiarize themselves with Act 399 rules prior to submitting their proposals for these services.

The following Options are to be submitted with cost breakdown.

### **Option I**

#### Existing Hintz Road Well House

- Replace or renovate the existing Hintz Road well-house structure.
- Abandon and plug the existing well casing.
- Drill new well and run piping to existing Well House for further pumping to raw water distribution main.
- Install meter and new control panel.

### **Option II**

#### Construct New Well

- Abandon and plug existing Hintz Road Well, and abandon existing Well House
- Construct new well and well house.
- Install piping for connection from new well to the existing raw water distribution main.
- Install meter and control panel.

### **Option III**

#### Construct Second Well On Site

- If approved by MDEQ, a second Well and Well House will be constructed.
- Construct new well and well house.
- Install piping for connection from new well to the existing raw water distribution main.
- Install meter and control panel.

Proposals for above Options must include 1) Variable Frequency Drive, 2) Flow Metering, and 3) Level Monitoring, which will be connected to a SCADA control and monitoring system.

A site layout is attached for reference. The site layout illustrates the approximate existing test well locations, existing well and infrastructure.

The information contained below is specific qualifications each contractor must meet in order to provide an accurate proposal.

**Contractor/Bidder Requirements:**

Contractor shall be responsible for including, but are not limited to, all the labor, materials, and equipment necessary for completing the replacement of the Hintz Road well.

The following items should be included in each detailed proposal:

- Cost for Hydrogeologist services
- Cost for mobilization
- Cost for bucket auguring new well(s)
- Cost to pull existing well and pump
- Cost to abandon the existing Hintz well (if needed)
- Cost for new well components (casing, pumps, screen, column assembly/shaft/couplers, and related well components)
- Cost for piping each well
- Cost for new VFD(s) pump control panel
- Cost for installation of flow metering the well(s)
- Cost for installation of well level monitoring the well(s)
- Cost to chlorinate and sample wells
- Cost for Site Restoration and/or Cleanup

All work shall be conducted in accordance with the current State of Michigan Well Construction Codes. All materials in contact with drinking water shall meet ANSI/NSF approval.

Contractor is responsible for restoring well performance to rated capacity or better.

Water quality sampling shall be performed in accordance with the State of Michigan DEQ Well Code including documentation of results to the City of Owosso.

All cost incurred for the sampling and testing shall be the contractor's responsibility.

Contractor shall provide site clean-up upon completion of investigation, construction duties including restoration and/or repair if needed. Documentation of all testing and water level observations shall be provided to owner.

Contractor shall be responsible for discharging water/chemicals to acceptable location that will not cause any soil erosion, contamination, or sediment impacting the nearby *wetland or neighboring property owners*.

Contractor shall follow MDEQ well construction code rules must be followed at all times. Contractor/Bidders must be a licensed well driller in the state of Michigan under the contractor's company name. Copy of current State of Michigan License must be included with bids.

Contractor drilling may not be subcontracted.

Contractor is responsible for two good bacteria samples at least 24 hours apart.

Any additional work to be performed shall be upon written approval of the City of Owosso. Any additional repairs or materials upon inspection of the wells shall be submitted to City of Owosso in writing, and shall be in accordance with hourly rates/material cost provided in this proposal. All materials shall conform to City of Owosso Specifications.

**Equipment and Materials:**

Contractor shall include, but are not limited to, providing all equipment and materials necessary to complete the work outlined above. Materials shall be provided in accordance with the City of Owosso specifications.

**Warranty:**

Contractor shall provide guarantee of materials and workmanship for a period of not less than one (1) year following substantial completion on any or all work performed above to the owner.

**Services/Materials Not to be Included in Bid Proposal:**

The proposal shall not include providing and or installation of the following items:

- Site accessibility (provided by owner)
- Site Electrical (provided by owner)

**Attachments: (MDEQ Compliance Requirements for New Well Construction)**

- MDEQ Test Well Approval Letter
- MDEQ Type I Well Approval Process
- MDEQ Well Construction Check-off List
- MDEQ Well House & Pump Installation Check-off List
- Ten State Standards
- MDEQ PA 399 Part 8 & 800 Series Rules
- MDEQ Part 127 Administrative Rules Well Construction
- Copy of Existing Well Logs Will be provided
- Hintz Road Well Field Map

**Schedule:**

The commencement of this project will be coordinated with the individual contractor selected. Bids must include a proposed schedule for performing a hydrogeology study, permit approval process, and construction.

**Proposal Cost Breakdown:**

It is requested that the proposal submitted be broken out by individual item and hourly labor costs associated with each item to allow the owner the flexibility to adjust the contract as the project progresses.

**Contractor References:**

Each proposal shall include a brief background of the personnel that will be working on this project as well as their qualifications.

**Site Map:**

