

**Date: May 6, 2016**

**ADDENDUM NO. 4  
to the  
Iowa Department of Transportation  
Proposal No. 16355**

**For Construction of brine buildings for Corning & Avoca DOT maintenance  
Letting Date: 05/11/2016**

**Notice To Bidders:**

This Addendum is issued to incorporate the following additions, deletions, corrections, and/or clarifications to the terms or specifications and shall hereby be considered a part of the final contract documents. This Addendum shall supersede, modify and/or change all statements to the contrary in the bid proposal and shall take precedence over previous terms or specifications.

**Change in the scope of work for both Corning and Avoca locations:**

Please change this pump to a Pedestal type, nonsubmersible, 1/3 HP: Zoeller Old Faithful Pedestal Sump Pump 17-zoeller\_old\_faithful The Zoeller Old Faithful Series includes 3 different models in the 80 series. Models vary by discharge, HP, and construction materials. The most powerful Old Faithful Pedestal Sump Pump, the Zoeller 84, is a cast iron 1/2 HP pedestal sump pump. The Old Faithful 84 Pedestal Pump features an adjustable 12" cycle, which is factory set at 9". Key Features: • Metal enclosed, split phase motor that is permanently lubricated and thermal overload protected • Heavy-duty cast iron constructed pump housing and base • 1-1/2" FPT discharge • Non-corrosive shaft • Reliable positive-displacement switch • Chemically-resistant, polyethylene float • Plated steel float rod • No strainer to deteriorate, replace, or clean periodically see attached specification sheets.

Change to specification 08 3620 SECTIONAL OVERHEAD DOOR FOR BRINE BUILDING, 1.08 WARRANTY remove sections: B. and C. ; Replace with "B. Furnish standard manufacturer's written warranty."

Revised Letting Date: May 13, 2016 at 1:00p.m.

All Bidders must sign and return this Addendum for the bid opportunity referenced above. Failure to do so may subject the Bidder to disqualification. If a bid response has already been submitted, this Addendum shall be signed and emailed or faxed to the Purchasing Section prior to the scheduled Letting Date.

\_\_\_\_\_  
Company Name ( Please Print)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

Jody McNaughton, Purchasing Agent (title)  
Phone No. 515-239-1538 Fax Non. 515-239-1538  
Jody.mcnaughton@dot.iowa.gov  
Purchasing Section  
800 Lincoln Way, Ames, Iowa 50010

P: 515-239-1310 F: 515-239-1538  
[DOT.purchasing@dot.iowa.gov](mailto:DOT.purchasing@dot.iowa.gov)

**SECTION 22 3000**  
**PLUMBING EQUIPMENT - ADDENDUM 3**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Pumps.
  - 1. Sump Pumps.

**1.02 REFERENCE STANDARDS**

- A. ANSI Z21.10.1 - Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less; 2011.
- B. ICC (IPC) - International Plumbing Code; 2012.

**1.03 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittals procedures.
- B. Product Data:
  - 1. Indicate pump type, capacity, power requirements.
  - 2. Provide certified pump curves showing pump performance characteristics with pump and system operating point plotted. Include NPSH curve when applicable.
  - 3. Provide electrical characteristics and connection requirements.
- C. Project Record Documents: Record actual locations of components.
- D. Operation and Maintenance Data: Include operation, maintenance, and inspection data, replacement part numbers and availability, and service depot location and telephone number.
- E. Warranty: Submit manufacturer warranty and ensure forms have been completed in Iowa Department of Transportation's name and registered with manufacturer.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.
- B. Identification: Provide pumps with manufacturer's name, model number, and rating/capacity identified by permanently attached label.
- C. Performance: Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, operate within 25 percent of midpoint of published maximum efficiency curve.

**1.05 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide standard manufacturer warranty for sump pumps.

**PART 2 PRODUCTS**

**2.01 SUMP PUMPS**

- A. Manufacturers:
  - 1. Zoeller Pump Company; Old Faithful 80 Series Model 82: [www.zoeller.com](http://www.zoeller.com).
  - 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Performance:
  - 1. Motor: 1/3 hp, 120 volt, single phase, 60 Hz.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

- A. Install plumbing equipment in accordance with manufacturer's instructions, as required by code, and complying with conditions of certification, if any.
- B. Coordinate with plumbing piping and related fuel piping work to achieve operating system.

C. Pumps:

1. Ensure shaft length allows sump pumps to be located minimum 24 inches below lowest invert into sump pit and minimum 6 inches clearance from bottom of sump pit.
2. Provide line sized isolating valve and strainer on suction and line sized soft seated check valve and balancing valve on discharge.
3. Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, and operate within 25 percent of midpoint of published maximum efficiency curve.

**END OF SECTION**

**SECTION 22 3000**  
**PLUMBING EQUIPMENT - ADDENDUM 3**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Pumps.
  - 1. Sump Pumps.

**1.02 REFERENCE STANDARDS**

- A. ANSI Z21.10.1 - Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less; 2011.
- B. ICC (IPC) - International Plumbing Code; 2012.

**1.03 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittals procedures.
- B. Product Data:
  - 1. Indicate pump type, capacity, power requirements.
  - 2. Provide certified pump curves showing pump performance characteristics with pump and system operating point plotted. Include NPSH curve when applicable.
  - 3. Provide electrical characteristics and connection requirements.
- C. Project Record Documents: Record actual locations of components.
- D. Operation and Maintenance Data: Include operation, maintenance, and inspection data, replacement part numbers and availability, and service depot location and telephone number.
- E. Warranty: Submit manufacturer warranty and ensure forms have been completed in Iowa Department of Transportation's name and registered with manufacturer.

**1.04 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.
- B. Identification: Provide pumps with manufacturer's name, model number, and rating/capacity identified by permanently attached label.
- C. Performance: Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, operate within 25 percent of midpoint of published maximum efficiency curve.

**1.05 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide standard manufacturer warranty for sump pumps.

**PART 2 PRODUCTS**

**2.01 SUMP PUMPS**

- A. Manufacturers:
  - 1. Zoeller Pump Company; Old Faithful 80 Series Model 82: [www.zoeller.com](http://www.zoeller.com).
  - 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Performance:
  - 1. Motor: 1/3 hp, 120 volt, single phase, 60 Hz.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

- A. Install plumbing equipment in accordance with manufacturer's instructions, as required by code, and complying with conditions of certification, if any.
- B. Coordinate with plumbing piping and related fuel piping work to achieve operating system.

C. Pumps:

1. Ensure shaft length allows sump pumps to be located minimum 24 inches below lowest invert into sump pit and minimum 6 inches clearance from bottom of sump pit.
2. Provide line sized isolating valve and strainer on suction and line sized soft seated check valve and balancing valve on discharge.
3. Ensure pumps operate at specified system fluid temperatures without vapor binding and cavitation, are non-overloading in parallel or individual operation, and operate within 25 percent of midpoint of published maximum efficiency curve.

**END OF SECTION**