

## ADDENDUM NO. 2

### IOWA GREEN STREETS PILOT PROJECT, GEOTHERMAL WELL FIELDS WEST UNION, IOWA

For which Bids have been scheduled to be opened at the West Union City Hall at 10:00 a.m. on Thursday, February 2, 2012.

#### ITEM NO.      DESCRIPTION OF CHANGE/CLARIFICATION

1.      The attendance sheet attached to Addendum #1 was from the pre-bid meeting held on January 11, 2012.
  
2.      **Bid Questions and Response**
  - a.      **Question:** Base Bid, Item #25, Stabilized Construction Entrance – Remote Site – Shows Item Code 9040-108-R-0, do not see this item in the specification book. Please clarify.  
**Response:** Current 2012 SUDAS code for Stabilized Construction Entrance is 9040-108-O-2. Code listed in Form of Proposal is from 2011 version. Refer to SUDAS Standard Specifications, found at: [www.iowasudas.org](http://www.iowasudas.org)
  
  - b.      **Question:** FP-6 #30 Vertical Bores – Does this price also include the ‘headering/manifolding’ of these vertical bores?  
**Response:** Yes. The intent for the Courthouse piping is for vertical and horizontal piping included in the price of the vertical bores up to the manifold vault. Piping and assemblies from the manifold vault into the Courthouse basement should be included with the Manifold Vault, including setting the vault and vault assemblies. Piping and assemblies associated with the pumps within the basement are to be included in the Field Pump and Piping Assemblies. Separate line item has been provided for the provision and installation of 6” connection from the Courthouse pumps to distribution piping.
  
  - c.      **Question:** FP-6 #32 Concentrate Glycol for Distribution – Does this price include the labor/equipment for adding the glycol, water, inhibitors to the distribution lines?  
**Response:** Yes. This line item is intended to include all costs associated with the removal of clean potable water and the injection of glycol into the system as described on Sheet M3.20, including the labor, transportation, equipment, inhibitors, and testing for verification that the final mixture is as specified.
  
  - d.      **Question:** FP-6 #33 Manifold Vault – Does this price include labor/equipment for setting the vault?  
**Response:** Yes

- e. **Question:** FP-6 #33 Manifold Vault – Hooking up to the 3” to the outside of vault, is this work to be included in “Vertical Bores” or is it to be included in “Manifold Vault” line item?  
**Response:** This work shall be included in the Vertical Bore line item.
- f. **Question:** FP-6 #33 Manifold Vault – Is this line item to include the labor/equipment/material for the rock, sand, excavation of setting the vault and bedding it?  
**Response:** Yes.
- g. **Question:** FP-6#36 – Concentrate Glycol for Well Field Does this price include the labor/equipment for adding the glycol, water, inhibitors to the distribution lines?  
**Response:** No. Glycol concentrate has been separated into separate areas and they have been provided separate line items. Glycol for the distribution is separated from the well fields and the associated pump/infrastructure. As such, glycol for the distribution has its own line item, glycol required for the infrastructure and well field associated with the Courthouse has its own line item, Alternate #1 for Lion’s Park has its own line item, and Alternate #2 for the well field associated with Lion’s Park has its own line item. Project shall be bid as specified herein.
- h. **Question:** Electrical Conduit to Vault – Is the price for the installation and conduit to be included in the “Manifold Vault” price?  
**Response:** Raceway should be included in the manifold vault price as conduit is anticipated to be installed in the same trench as the distribution lines.
- i. **Question:** Electrical Conduit to Vault – Is the electrical hook-up in the vault included in #37 “Electrical Services”, or will this be included in #33 “Manifold Vault”?  
**Response:** Electrical services shall include all costs associated with conductors and overcurrent protection.
- j. **Question:** M3.00 – Courthouse vault shows 8” on the side of the vault whereas M2.00 shows 6” and Sheet M1.10 shows 6”. Is the connection to be 6”?  
**Response:** Yes.
- k. **Question:** M3.00 – Header detail shows 1” directly to 3”, there is no step-up/step-down sizes, is this correct? The spec book shows a step-up/step-down, but the plans do not.  
**Response:** Plans are a diagrammatic representation of anticipated assemblies and zones. Spec book should be followed.
- l. **Question:** U-Bends – The U-Bends (loops) are DR9; normally they are DR11. Just want to make sure this is supposed to be DR9 and not DR11.  
**Response:** DR9 shall be used as indicated.

- m. **Question:** For Alternate #4, is the premix glycol going to be 25% as well?  
**Response:** Premix glycol shall be equal to the specified concentration using the concentrated glycol mixed with clean potable water.
  - n. **Question:** U-Bends – The U-Bends (loops) are DR9; normally they are DR11. Just want to make sure this is supposed to be DR9 and not DR11.  
**Response:** DR9 shall be used as indicated.
  - o. **Question:** Shall the electrical services line item for Alternate #1 include the cost of the electrical service installation by Alliant Energy?  
**Response:** The cost of the Alliant Energy electrical service installation shall be the responsibility of the City of West Union.
3. Request for approval of product/equipment substitution.  
a. All requests for approval of substitution shall be provided with supporting documentation indicating that the substitution is of equal or better quality to justify approval of substitution. Requests that are provided without supporting documentation shall not be reviewed.
4. **Proposer shall acknowledge this addendum by filling in '2' next to 'Addendum Number' on Part B of the revised Form of Proposal (attached to Addendum #1).**

END OF ADDENDUM 2  
DATE: February 1, 2012