Dry Creek Water Reclamation Facility Dewatering Improvements Construction
2020RPI01-B02
Addendum 02

To: All Prospective Bidders
From: Bryce Dorr, BOPU
Date: 10/20/2020
Subject: Addendum 02 for the DCWRF Dewatering Improvements Construction

The changes, clarifications, omissions, additions, and/or alterations in, on, and to the bid information and specifications shall apply to the Advertisement for Bid submitted for and to the project indicated above. Except as modified by this Addendum 02, all the terms and provisions of the bidding documents for the above listed project remain in full force and effect. This Addendum 02 supersedes all previous instructions pertaining to the items listed:

Addendum 02 for the DCWRF Dewatering Improvements Procurement consists of 1 total page and includes the following changes/additions:

1. Engineer’s Submittal Review Response for Huber equipment included as Attachment A.

End of Addendum 02

Attachments:
Attachment A: Submittal Review Response
SUBMITTAL REVIEW RESPONSE  
PROJECT NAME: Cheyenne Board of Public Utilities – Dry Creek WRF Dewatering Improvements  
Project No: WXXY6100  

SUBMITTAL NUMBER: 001  
DESCRIPTION: Product Data for Screw Press Equipment  

SPEC SECTION(S): 44 46 26 Screw Press Equipment  

TO BE COMPLETED BY PRIMARY REVIEWER  
Action Submittal  

☐ Approved  ☐ Approved As Noted  
☒ Partial Approval, Resubmit as Noted  ☐ Revise and Resubmit  

Informational Submittal:  
☐ Meets Conditions  ☐ Does Not Meet Conditions  
☒ Not Subject To Review (documents not required by contract)  

Engineer’s review and acceptance of this submittal are expressly limited as provided in the Contract Documents and are only to determine conformance with information given in the Contract documents and compatibility with the design concept for the completed project as a functioning whole as indicated in the Contract Documents. Contractor is, and Engineer is NOT, responsible for all matters relating to fabrication, shipping, handling, storage, assembly, installation, construction (including all safety aspects of performing the Work), and for coordinating the Work.  

As the primary reviewer of this submittal, I have coordinated my review comments with the comments of the secondary reviewer(s), Hugo Rojas, Jonathan James, Dennis Thomas  

Janelle Prange 8/7/2020  
Jacobs  
Date  

Comments:  

Approval as Noted for Screw Press  
• The design points provided in the supplemental “Q-Press Scope of Supply (rev 1)” provided as a follow up to the submittal on 8/7/2020 meets the design conditions listed in the specification. These conditions were used as the basis of our approval.  
• The screw press units are approved and can be released for production.  
• Only the screw press units are approved. All other ancillary equipment will need to be resubmitted for approval based on the comments below.  

Revise & Resubmit  
• The current skid design cannot be anchored to the designed support system and is therefore not approved. Jacobs requests to follow-up with Huber to discuss questions and concerns regarding the skid layout. During the discussion, Jacobs would like to understand the basis of design for the submitted skid, and we would like to discuss potential alternative or alterations to the design. Additionally, once a final design is determined, anchorage sizing and calculations will be required to anchor the skid to the contractor provided support system.  
• The submittal did not include product data for the washwater booster pumps which are in Huber’s scope of supply. Product data must be included for approval of the pump system.  
• Per the design, the bid specification Section 44 46 26 Paragraph 2.07.C, the air compressor system will be connected to the existing compressors in the dewatering building. Separate air compressors for the screw presses are not needed or wanted by the Owner. Huber is to provide detailed information on what is needed by the contractor to connect the existing air compressor system to the screw presses. The next submittal must include details on valves, pressure regulators, line sizes, etc for each screw press and whether Huber is supplying the equipment.
• The material for the initial mixer is not provided. Please provide this material and make sure it is compatible with ductile iron piping.

• Installation details on connections, location of solenoid valves, line sizes, etc are not provided. Confirm shop drawings will be provided at a later stage or provide these installation details in the resubmittal in a clear manner that can be followed by the contractor.

• Engineer Response to Section 6.0 EleMech Submittal Comments
  ○ Comment 1 - Acknowledged.
  ○ Comment 2 - Acknowledged.
  ○ Comment 3 - Acknowledged.
  ○ Comment 4 - Acknowledged, see comments below for main control panel.
  ○ Comment 5 - Acknowledged, see comments below for local control station.
  ○ Comment 6 - LCS will be mounted indoors and not exposed to direct sunlight.
  ○ Comment 7 - Acknowledged. Panel design meets the intent of voltage separation.
  ○ Comment 8 - Locate the control relays in the HV side.
  ○ Comment 9 - A single GFCI receptacle with Ethernet port mounted in the HV door as proposed will be acceptable.
  ○ Comment 10 - Q-Press control panel will need to send a Screw Conveyor RUN signal via Ethernet to the plant PLC. The Plant PLC will send a Screw Press ENABLE signal via Ethernet to the Q-Press control panel. Timing sequences will need to be coordinated.
    ▪ Disregard Screw Press Sludge Chute level indication.
    ▪ Disregard Screw Press Sludge Chute High Level Alarm.
  ○ Comment 11 - Monitoring and control of the Sludge Feed Pumps will be via Ethernet to the Plant PLC.
  ○ Comment 12 - Monitoring and control of Polymer system will be via Ethernet to the Plant PLC.
  ○ Comment 13 - Q-Press control panels will be within 100 feet of the driven equipment.

• Screw Press Q-Press Main Control Panel
  ○ Section 6.0 EleMech submittal comments identify a 12" Panel View Plus display will be supplied on the main control panel. Owner does not want the display on the main control panel. Remove display from main control panel.

• Operator Interface Local Control Station
  ○ Section 2.1 Scope of Supply Equipment Description summary identifies the LCS requires 480V, 3-phase power. Change to 24VDC to match EleMech drawings.
  ○ Section 2.1 Scope of Supply Equipment Description summary identifies the LCS will be supplied with a 10" Panel View Plus display. Section 6.0 EleMech submittal comments identify the LCS will be supplied with a 12" Panel View Plus display. Change to 12" display as specified.

• Drawing HBR8191A11:
  ○ Confirm field wiring from the Q-Press Control Panel will be to individual devices (e.g. wash solenoids) and not to a common junction or terminal box on the screw press.
  ○ Hard-wired signal interfaces to the Polymer system and Sludge Pumps will be via Ethernet to the plant PLC. Hard-wired points will not be used.