ADDENDUM NUMBER THREE
May 26, 2023

To all contract bidders of record for the work titled:
DPW PROJECT NO. 21-257: UNIVERSITY OF IDAHO SCADA PH1
MOSCOW, ID 83844
Owner: State of Idaho Division of Public Works

Please notify everyone concerned (subcontractors and suppliers) as to the issuance and contents of this Addendum prior to the date of bid opening. This Addendum is a part of the contract documents and modifies them as follows:

GENERAL
I. Pre-Bid Meeting Sign-In Sheet, Minutes, and Question/Answers are attached.

II. REVISED Bid Due Date: June 8, 2023 at 2PM, local time (Deliver to Division of Public Works, State of Idaho at 875 Perimeter Drive, MS 2281, Moscow, Idaho 83844-2281)

III. Questions will be accepted up until COB June 2nd via email to:

sydnee.weersing@adm.idaho.gov

END OF ADDENDUM
# UNIVERSITY OF IDAHO
## ARCHITECTURAL & ENGINEERING SERVICES
### SIGN IN SHEET

**DPW 21-257 UI SCADA Improvements**  
**Wednesday, May 24, 2023**

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PROJECT OVERVIEW:

1. The University of Idaho operates supervisory control and data acquisition (SCADA) for monitoring, control, measurement, and verification of the domestic water and reclaimed water systems. This project will upgrade this existing SCADA system, including the installation and integration of all panels, pathways, cabling, modifications, and controls necessary for a complete installation and functional system.

2. The project is located around the UI campus, starting at the Facilities Building Southwest to the RW Irrigation Pump House, West to Well #4 and Well #3, Southeast to the Steam Plant, South to the I-Tank, West to the Chilled Water Tank and Golf Course Tank, South to the Booster Pump House.

3. Lump sum bid schedules:
   a. Base Bid – Upgrade the existing SCADA system, including the installation and integration of all panels, cabling, modifications, and controls necessary for a complete installation and functional system. The system shall be highly resilient and include redundancies per design and specifications. The implementation follows a phased approach to ensure that the water system is operational at all times.
   b. Alternate Bid #1 – Installation of four new magnetic flow meters on the reclaimed water system. The meters shall be installed on existing water pipes. Meter vaults will be required for two meter installations. The meters shall be connected and integrated into the SCADA System.

4. Bid Documents:
   a. Drawings
   b. Specifications
   c. Bid Forms
   d. Addenda –
      i. 1 – Update Bid Date and Pre-Bid Meeting Date
      ii. 2 – Update Pre-Bid Meeting Date

5. Document Printing and Postage
   a. One set of documents may be obtained by licensed general contractor and licensed electrical contractor for a $100 refundable deposit

6. Substantial Completion: 365 consecutive days after Notice to Proceed.

7. Liquidated Damages: $1,000 for each consecutive day

Bidding Requirements:

1. Contractors must meet qualifications to be a valid bid. Contractors must hold a valid Idaho Public Works license at the bid that is in sufficient capacity for the work being bid.

2. Subcontractors must be listed on Bid.
3. Bid Forms:
   a. It cannot be emphasized enough that bid docs have original signatures. If there are any changes, each must be initialed. No white-out allowed. Cross-out and initial changes.
   b. Any modifications to the bid form can be ground for rejection of the bid. All blanks must be filled in.
   c. Bid Proposal
   d. Bid Bond 5%

4. Permits – Electrical

Bid Deadline:
1. Due Date: 2:00 PM Local Time, Thursday June 1st, 2023 See Addendums
2. Location: 875 Perimeter Drive, MS 2281, Moscow, Idaho 83844-2281
3. Bids will be opened and read aloud at the above address at or shortly after 2:00 PM Local Time.

Project Specific Information:
1. Network
   a. Fiber Optic Cable in New and existing conduit
   b. Product Highlights
      i. Berk-Tek; Armored OSP Loose Tube gel filled Single Mode Fiber Cable
      ii. Berk-Tek/Levition Patch Panels
      iii. Cisco Network Switches
      iv. APC Smart UPS
   c. Entry into existing buildings at various locations
   d. Point-to-point wireless connections shall be provided by the UI.
   e. Coordinate with UI NTS for patching allocations and network switch configuration
   f. Key Sections include:
      i. G03.00 Network Equipment Schedule
      ii. E02.00 Network Architecture
      iii. Div 27 Specifications
      iv. Section 40 70 00 Instrumentation & Controls - Network Panels
      v. All plan sheets

2. Instrumentation & Controls
   a. New and existing instrumentation
   b. Detailed design for UPS and Network Panels
   c. SCADA/DDC Control Panels are “Design-Build” by system integrator. Retrofit in place of existing panels.
   d. Golf Course Tank:
      i. Network Panel Retrofit in existing enclosure
ii. Extreme Temp UPS at this location

e. Sensaphone for alarm callout at Booster Pumphouse

f. Key Sections include:
   i. G03.00 Instrument Schedule
   ii. Points list on E3.01
   iii. Section 40 70 00 Instrumentation & Controls

3. Control system software.
   a. SCADA application will be hosted on UI Datacenter. Coordinate hardware and network requirements with the Owner. Complete and Submit a VM Build Request Form (See 40 60 00 - 3.02 Server)
   b. Provide 2 client workstations and 2 portable laptop workstations in Facilities building (E19.01)
   c. Key sections include:
      i. Existing Control Panel Drawings on ED03.01
      ii. Points list and Functional Description on E3 Sheets
      iii. Graphical User Interface requirements on E3.10 Sheets
      iv. Detailed requirements in Section 40 60 00 SCADA & DDC

4. New Flow Meters
   a. Some in base scope and some in alt-bid
   b. Some in existing vaults and some in new contractor provided Pre-Cast Vaults

5. Phasing
   a. Phasing notes & plan on G02.00
   b. At least one of the wells, and at least one of the two water tanks must be operational at all times.
   c. The contractor is responsible for developing, establishing, and implementing a detailed construction sequence.
   d. Existing SCADA MEC network shown on ED02.00
Pre-Bid Meeting Questions & Answers:

1. Is there a requirement of boring in all conduits or can they be trenched in?
   a. Boring is not a requirement. Trenching is acceptable

2. Does the project need to bore under Highway 8 at Farm Rd?
   a. No

3. Confirm that no SCADA panel is to be installed at the Steam/Power Plant?
   a. Confirmed

4. How much downtime can there be at each location
   a. See phasing notes on G02.00

5. What is required for contractor access to individual buildings
   a. Contractor shall have full use of Project site for construction operations during construction period. Access to specific buildings will be coordinated during the Kickoff Meeting.