

March 24, 2015

ADDENDUM #1
IFB 15-71
WATER SYSTEM IMPROVEMENTS PROJECT
DWSRF-3531, CONTRACT 2

The number of this Addendum, Addendum No. 1, must be entered in the space provided on the Bid Form.

CLARIFY:

Spec. Section #23-05-10-1 General 3.01A Calls for maintaining operation of the existing hvac systems without interruption until the new systems are operational. How will this be accomplished when the existing systems need to be removed to install the new systems?

- There are two rooftop units with separate systems scheduled for replacement. The HVAC Subcontractor shall sequence the work such that one system remains in operation at all times.

Spec. Section #23-05-10-2 Disposition of Material And Equipment. Is it the general contractor's responsibility to dispose of the roof top units when removed from the building roof? Also is the contractor responsible to remove the old duct work from the building?

- It is the HVAC Subcontractors responsibility to remove and dispose of the rooftop units as well as the ductwork. Refer to keyed notes 2 and 3 on drawing H-201.

Is there an existing BMS system already installed in the building? If so who's.

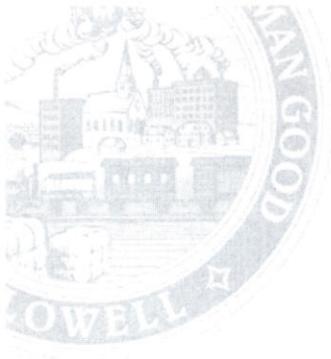
- There is not an existing Building Management System (BMS) already installed in the building.

Is there glycol in the hot water heating system.

- There is no glycol in the hot water system.

Who is the existing roof top unit manufacturer.

	RTU 1	RTU 2
Manufacturer	Carrier	Carrier
Model	48HJD017	48HJF025
Series	680AA	680AA
Serial	2700F14582	2700F14562



Section 23-31-13-21item 3.1 Are you looking for professional duct cleaning?

- The HVAC Subcontractor needs to maintain all new ductwork, fans, coils, air filters, outlets and other parts of the ductwork systems in a clean condition during installation.

Who is responsible to remove and reinstall the ceilings in order to install the new piping and duct work? Who is responsible for relocating the furniture out of the way.

- It is the HVAC Subcontractor's responsibility to remove and reinstall ceilings and temporarily relocate furniture to install new piping and duct work. Also, the HVAC Subcontractor shall coordinate their work schedule with the General Contractor. The General Contractor shall notify the Engineer and Owner of HVAC work requiring relocation of furniture at least one week in advance.

Is the mechanical contractor also required to adhere to section 00-73-10 "By American Iron and Steel" as well.

- Yes, the HVAC Subcontractor is required to adhere to American Iron and Steel requirements.

Are the permit fees waved by the town?

- Permit fees are **NOT** waived by the City. Refer to Article 6.08 in Section 00 72 05 – Standard General Condition of the Construction Contract of the Specifications.

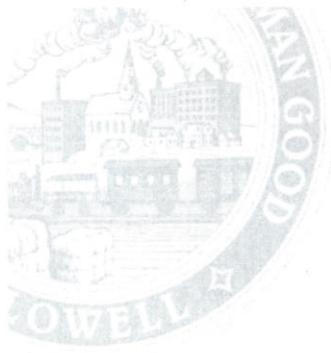
What is the working height above the suspended ceilings in the Water Treatment Plant in the areas where the HVAC work will be occurring?

- The typical working height above the ceiling in the Lobby (101) and the two adjacent offices is approximately 18 inches. The typical working height above the ceiling in the other rooms that HVAC work will be occurring ranges from 30 to 60 inches. The noted working heights are from the suspended ceilings to the bottom of the I-beam members of the roof structure. The heights were determined from existing plans and field verified in several locations.

What is the nameplate information for the generator at the Stackpole Street Pump Station?

- Nameplate information from the generator is in the table below.

Manufacturer:	Olympian (trademark of Caterpillar Inc)
Model:	D200P4
Serial Number:	FAML001312
Year of Manufacture:	2000
Sales Order Reference:	26032/0010



NOTICE is hereby given that the Bidding Documents have been modified and replacement pages are issued herewith.

SPECIFICATIONS

- Specification replacement pages identified in the following table are included as an attachment to this Addendum (Addendum No. 1), have an Issue Date of March 24, 2015 and contain reference to "ADDENDUM NO. 1" in the footers. Text changes are identified by double-underline for additions and ~~strikeout~~ for deletions.

Replacement pages (with text changes)	Provided for purposes of double-sided printing only - no changes (front or back of replacement page)
23 05 00 - 1	23 05 00 - 2

Sincerely

P. Michael Vaughn
Chief Procurement Officer

Attachments

SECTION 23 05 00

**COMMON WORK RESULTS FOR HVAC
(FILED SUB-BID REQUIRED)**

PART 1 – GENERAL

1.00 SUMMARY

A. Section Includes

1. Provide a complete HVAC system as shown on the contract drawings and specifications in accordance with this Section and applicable reference standards listed in Article 1.03.
2. Design Requirements for HVAC.
3. Performance Requirements for HVAC.
- 3.4. Remove and reinstall ceilings and temporarily relocate furniture, as needed, to perform work. Coordinate schedule with the General Contractor. The General Contractor shall notify the Engineer and Owner of HVAC work requiring relocation of furniture at least one week in advance.

B. Related Requirements

1. Section 23 05 10 - HVAC Demolition
2. Section 23 05 15 - Mechanical Identification
3. Section 23 05 19 - Meters and Gauges for HVAC Piping
4. Section 23 05 23 - General-Duty Valves for HVAC Piping
5. Section 23 05 29 - Hangers and Supports for HVAC Piping and Equipment
6. Section 23 05 93 - Testing, Adjusting and Balancing for HVAC
7. Section 23 07 00 - HVAC Insulation
8. Section 23 09 00 - HVAC Control System
9. Section 23 09 93 - Control Sequences for Automatic Temperature Control
10. Section 23 21 13 - Hydronic Piping
11. Section 23 21 23 - Hydronic Pumps
12. Section 23 30 00 - HVAC Air Distribution
13. Section 23 31 13 - Metal Ducts

- 14. Section 23 36 00 - Air Terminal Units
- 15. Section 23 74 00 - Packaged Outdoor HVAC Equipment

1.02 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to the work of this section.
- B. All Division 23 specification sections shall reference this section.

1.03 SUMMARY

- A. This Section specifies the basic requirements for mechanical installations and includes requirements common to more than one section of Division 23. It expands and supplements the requirements Specified in sections of Division 01.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: All Work of Division 23 shall be performed by qualified journeymen of their respective trades who are employed by a firm that can demonstrate successful experience with Work similar in type, quality and extent to the Work required by this project.

1.05 DRAWINGS AND SPECIFICATIONS

- A. The Drawings and specifications are complimentary. What is shown or noted on the Drawings, but not mentioned in the specifications, automatically becomes a part of the specifications. What is noted in the specifications, but not shown on the Drawings, automatically becomes a part of the Drawings. Conflicts between the requirements of the Drawings and the specifications must be brought to the immediate attention of the ENGINEER. The more stringent requirement will apply, unless ruled otherwise by the ENGINEER. When conflicts or discrepancies are noted, no Work shall proceed until the conflict or discrepancy has been resolved by the ENGINEER.
- B. The listing of Drawings does not limit responsibility of determining full extent of Work required by contract Drawings. The CONTRACTOR shall refer to site, architectural, structural, electrical and other drawings and other specification sections that indicate types of construction with which Work of this section must be coordinated. If the Work is later found to include Work required to complete and coordinate the work or another trade, or to interfere with the work of another trade then the changes required to complete the work or to eliminate the interference shall be made without additional cost to the OWNER.
- C. The Drawings show, schematically, the order of connection of the various terminal units, louvers, valves, etc. but can not show every detail of the piping and ductwork. Whether specifically shown or not, all fixtures shall be connected in