

Addendum 2/Bid Postponement

**City of Chicago Department of
Water Management Bureau of
Engineering Services**

**South Water Purification Plant
Filter Backwash Controls Replacement**

DWM PROJECT NO. 13-202
SPECIFICATION NO. 136813

Below are addendum items for the South Water Purification Plant Filter Backwash Controls Replacement Project #13-202, Specification 136813. For which bids will be opened in the office of the Department of Procurement Services, Room 103, Chicago, Illinois, 60602 on April 28, 2016 is rescheduled to May 12, 2016 at 11:00 a.m. Central Time:

**BIDDER WILL ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE
PROVIDED ON THE PROPOSAL PAGE**

NOTICE OF ADDENDUM
April 27, 2016

1. Bid Postponement

For which bids will be opened in the office of the Department of Procurement Services, Room 103, Chicago, Illinois, 60602 on April 28, 2016 is rescheduled to May 12, 2016 at 11:00 a.m. Central Time:

CLARIFICATIONS

Book 1 – Terms and Conditions for Construction

1. None.

Book 2 – Instructions and Execution Documents

1. None.

Book 3 – Technical Specifications

1. Specification Section **03 01 70**
 - a. **DELETE** Section 03 01 70 in its entirety and **REPLACE** with the attached revised version of this Section.
2. Specification Section **12 50 00**

- a. **DELETE** Section 12 50 00 in its entirety and **REPLACE** with the attached revised version of this Section.
3. Specification Section **40 05 21**
- a. **DELETE** paragraph 2.02.B.1 and **REPLACE** with the following:
 1. Prior to installation of a new actuator, each corresponding existing valve is to be examined by the Manufacturer's Representative or a trained and certified installer. The purpose is to verify that valve is ready for actuator installation and that there is no visible damage to the valve that would affect the satisfactory installation of the actuator. With the exception of the filter influent valves, where one side of the valve disk is exposed, no valves are to be inspected internally. The exposed portion of each filter influent valves shall be examined with respect to overall condition and the condition of the connection between the shaft and the disks. Note that minor leakage is acceptable. All valves shall be observed through an open-close cycle. Valves that do not operate smoothly through a complete cycle shall be reported to the Commissioner. Cause for rejection of the valves would be visible physical damage to the body of the valve, valve disc or valve shaft, or corrosion of the connection of the disc to the shaft. Any rejected valve will be repaired or replaced prior to the new actuator installation. Any work related to the valves will be either performed by the Commissioner or a change order will be issued to the Contractor to perform this work.

Question # 1:

The drawings do not show the amount of epoxy injection or the amount of concrete patching in the filter tanks. Since the ability to quantify pre-bid is not possible can the patching be addressed as a unit cost?

Answer:

There is not any epoxy injection or concrete patching inside the filter tanks.

Question # 2:

Will the third party testing agency that contractor is required to engage be required to inspect below the filter media? If so, will the media have to be removed and or replace? Will any concrete repairs take place at the bottom of the tank?

Answer:

There is no inspection required below the filter media. There are not any concrete repairs required at the bottom of the filter tanks.

Question # 3:

Reference Paragraph 2.02 B.1, Specification Section 40 05 21, page 7, "Prior to installation of a new actuator, each corresponding existing valve is to be examined by the Manufacturer's Representative or a trained and certified installer". Who is the "Manufacturer's Rep or certified installer? Is the owners intent for the proposed valve actuator supplier review the structural integrity of the existing valve itself? Is a report of findings required prior to proceeding?

Answer:

The intent is for an individual proficient in actuator installation to examine the existing valve prior to the actuator installation to verify that there will not be any issues with the actuator installation. This does not entail an inspection of the entire existing valve or submission of an inspection report.

As stated in this same paragraph “The purpose is to verify that valve is ready for actuator installation and that there is no structural damage to the valve that would affect the satisfactory installation of the actuator.”

Question # 4:

Section 40 05 21, page 7, paragraph 2.02.B.1 states:

Prior to installation of a new actuator, each corresponding existing valve is to be examined by the Manufacturer’s Representative or a trained and certified installer. The purpose is to verify that valve is ready for actuator installation and that there is no structural damage to the valve that would affect the satisfactory installation of the actuator. Note that minor leakage is acceptable. Cause for rejection of the valve would be physical damage to the body of the valve, valve disc or valve shaft, or corrosion of the connection of the disc to the shaft.

1. Manufacturer’s Rep – is this the actuator rep. or the valve rep.? If valve rep., need to know valve types
2. Valve inspection – appears some of the inspection would require we access the interior workings of the valve. If so, how do we accomplish this prior to bid? Not sure we can take this into account and include appropriate cost in our proposal

Answer:

This will be addressed by addendum. The manufacturer rep is referring to the actuator manufacturer. The inspection shall include the exterior of the valve as it relates to the actuator installation. No valve is to be removed from service for an internal inspection. However, the influent valve disks are exposed and a visual inspection of the exposed portion of the interior of the valve should be conducted to examine the general condition of the valve and the connection between the shaft and disk. A full inspection of the interior of the influent valves is not required. In addition, all valves should be operated through an open-close cycle as a check for binding prior to the installation of the new actuator.

Question # 5:

1.06 Quality Assurance

B. The PCSS shall maintain a permanent, fully staffed and equipped service facility within 200 miles of the project site.....

De Nora Water Technologies Inc. engineering and service is located in Pittsburgh, Pa. Can we take exception to this requirement?

1.02 Related Work D. Input/Output (I/O) List Submittal

1. Submit, within 60 days after Notice to Proceed, a complete system Input/Output (I/O) address list for equipment connected to the control system under this contract.

De Nora requests relief from this requirement, either increase the days to 90 or decrease the I/O to include only the first gallery. After review of first gallery format, corrections can be made so following I/O lists will be correct the first submittal.

Answer:

The location of the PCSS service facility shall be within 200 miles from the project site as required by this Specification Section.

The complete system Input/Output (I/O) address list shall be provided 60 days after Notice to Proceed as required by this Specification Section.

Question # 6:

Warranty –

This is a phased project. Some of the work will be installed and placed into operation within the first year of the three year project

1. Will there be a “phased” warranty period?
2. In other words, will the warranty period start once equipment/devices are installed and placed in to operation or will the warranty period start at substantial completion of the project?

Answer:

The warranty will be as defined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION. The warranty period will not be staged.

Question # 7:

The project specification includes the galvanealed painted panels with intermediate steel tubes. This is the spec for a preassembled building manufacturer that I represent – Par-Kut. We can supply what is specified, but it is significantly more money than my budget. Would it be possible that we provide a preassembled building with the galvanealed steel panels?

Answer:

The kiosk shall be provided as specified.

Question # 8:

Addendum 1 reissued specifications for 03 01 70 and 12 50 00, however such revised specifications were not included in the addendum 1 documents. Also, RFI question #24 in Addendum 1 states that specification section 03 01 70 will be reissued as part of addendum 1. Please provide the revised specification for 03 01 70 and 12 50 00.

Answer:

These revised specification sections (Section 03 01 70 and Section 12 50 00) will be reissued as part of this addendum.

Question # 9:

Specification 12 50 00 states that twelve (12) “Sandusky Lee EA11361830-05” storage lockers are required, however the drawings only show the locations of three (3) storage cabinets. Please confirm the number of storage cabinets required during this bid.

Answer:

Three storage cabinets are being provided where each of the existing long filter control consoles are presently installed as shown on Contract Drawing S-4. There are four long

filter consoles, one each in Filter Galleries 1 thru 4, as noted in General Note 1 on Contract Drawing S-4. Therefore, twelve (12) storage cabinets are required.

Question # 10:

There seems to be missing two sections of revised specifications in Addendum 1 word file. On page 2, Item 2 a, states "Delete Section 03 01 70 in its entirety and Replace with attached version. Also page 4, Item 7 states "Delete Section 12 50 00 in its entirety and Replace with attached version. However the addendum forwarded to us does not contain these two sections. Please advise.

Answer:

These revised specification sections (Section 03 01 70 and Section 12 50 00) will be reissued as part of this addendum.

Question # 11:

In the addendum:

1.08 Warranties

C. The Contractor shall operate and maintain all Work including, but not limited to , mechanical, electrical, controls, temporary systems, until such time that Substantial Completion is obtained

Could you define "Substantial Completion"? Is it defined as all 120 filters complete?

Could it be when one gallery is complete? Ten filters complete?

Does operation go around the clock? Does the operator need to be licensed or will the city's operator also assist in backwashing operations?

Answer:

The referenced paragraph from the addendum is for Specification Section 03 20 00. Substantial Completion is defined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION.

The plant and the filters must remain operational 24 hours a day, 7 days a week, and 52 weeks a year as noted in Specification Section 01 12 16, Paragraph 1.03.B.3. Only Chicago Department of Water Management staff are allowed to operate the filters as noted in Specification Section 01 12 16, Paragraph 1.03.B.2.

Question # 12:

Specification 03 01 70 ,page 8, 3.04, A. please confirm that the *Preparation of Surfaces*, as stated, only applies to the vertical surface of the north and south concrete walls(2) in the pipe galleries 1 through 6, and not on the vertical or horizontal surfaces inside the filter tanks.

Answer:

There is not work inside the filter tanks. The Concrete Restoration and Cleaning spec shall be used for "Repair of concrete that has spalled or cracked during new work" per Specification Section 03 01 70, Paragraph 1.01.A.2. Additionally, per Contract Drawing S-2, existing concrete pads shall be repaired as required.

Question # 13:

Referencing note 7 on page M-6, "Galleries 1-4 demolish abandoned 1 -1/4 inch and 3/4 inch hydraulic lines that run along the North, South, and West sides of the gallery at elevation -8". These lines are not indicated or shown on the drawings as were other abandoned lines such as the steam lines. Only general locations for the hydraulic lines are noted. What is the quantity of abandoned hydraulic lines to remove? Or please indicate on drawings as to the beginning and end of runs in Galleries 1-4.

Answer:

As stated in Keyed Note 7 on Contract Drawing M-6, this piping runs along the north, south, and west sides of Galleries 1-4. The "north" and "south" sides of the gallery refers to the long sides of the galleries, between Columns 44 and 65. The "west" side of the gallery refers to the area between Columns LA and NC. The piping is continuous along these walls. Refer to Detail W on Contract Drawing M-9 for a picture of the piping near a typical filter.

Question # 14:

Will both of the following items be provided in an upcoming addendum?

- 1) Specification for pressure washing (per response to question #24 in addendum #1)
- 2) Revised version of specification 12 50 00 (not included as specified per item #7 in addendum #1), Please advise.

Answer:

Yes. These revised specification sections (Section 03 01 70 and Section 12 50 00) will be reissued as part of this addendum.

Question # 15:

I have one question I would like addressed. In specification 40 95 13 control panels and panel mounted equipment the panel schedule below lists powder-coated aluminum for the panel construction. Is powder-coated steel acceptable for these panels?

PANEL SCHEDULE

Panel Designation	Minimum Panel Size	Enclosure Rating & Type
Filter XXX Control Console (typical of 120, XXX = 1 to 120)	As indicated on Drawings	NEMA Type 4, 2-door, powder coated (inside and out) Aluminum construction, Console
Filter Gallery X Master Backwash Control Panel (typical of 6, X = 1 to 6)	As indicated on Drawings	NEMA Type 4 , single door, powder coated (inside and out) Aluminum construction
Kiosk Switch Enclosure	As indicated on Drawings	NEMA Type 4, single door, powder coated (inside and out) Aluminum construction

Answer:

These panels shall be provided as specified.

Question # 16:

Specification 03 01 70 provides criteria for concrete rehabilitation, crack sealer, and pressure injection crack repair. The drawings nor Summary of Work specification do not provide locations where crack repair is to be performed. Please specify which locations are to receive concrete restoration. Could quantities be provided for a basis of bid for each scenario?

Answer:

The Concrete Restoration and Cleaning spec shall be used for "Repair of concrete that has spalled or cracked during new work" per Specification Section 03 01 70, Paragraph 1.01.A.2. Additionally, per Contract Drawing S-2, existing concrete pads shall be repaired as required. Thus, areas that require repair/restoration will be determined in the field.

Question # 17:

With regards to Book 1, Section VII.E regarding warranties, a warranty of one-year from Final Completion and Acceptance of Work is to be provided. The nature of the project will be such that work on filters or galleries will be conducted in phases and returned to service. As a result, it's possible the first filters or galleries could be in service for close to four years before the warranty period ends. However, OEM warranties for controls and actuation equipment generally commence upon installation. Therefore, we ask the one-year warranty period for controls and actuators with OEM warranties be phased in as filters or galleries are returned to service and accepted by the Commissioner.

Furthermore, should there be any delays caused by the City and the City grants an extension, we request the warranty period for the filters or galleries that had already been returned to service and accepted by the Commissioner not be extended.

Answer:

The warranty will be as defined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION. The warranty period will not be staged.

Question # 18:

With respect to Book 1, Section XIII.C.3, please confirm payment for materials stored off-site will be authorized.

Answer:

Authorization is not automatic. There are specific conditions contained in Book 1 that will need to be met. The specifications will be enforced as written.

Question # 19:

Page 01 12 16 – 2, paragraph 1.03.B.3, how will the guidelines for the number of filters than can be taken out of service be impacted if filters are out of service or taken out of service for maintenance or for emergencies?

Answer:

Barring an unforeseen and catastrophic emergency, the guidelines set forth in the subject paragraph should hold for normal operations.

Question # 20:

Page 40 05 21 – 11, paragraph 2.04.B and in Drawing M-14, “actuator manufacturers” generally do not manufacture stem extensions. Please confirm that it is the valve actuator suppliers that are to manufacture or otherwise supply the stem extensions.

Answer:

Confirmed. Actuator manufacturers may manufacture and/or supply stem extensions.

Question # 21:

Page 40 05 21 – 7, paragraph 2.02.B.3, we have determined many of the influent valves for galleries 5 & 6 will require the flexible stem extension that may be provided by Elliott Manufacturing. However, we note that in order to operate the valves, based on the estimated torque requirements from Pratt, the maximum torque capacities of these stem extensions would be exceeded by factor of 18x. The only solution would be to mount the gearbox on the valve (i.e., submerged) to safely multiply the torque to the level required to operate the valve. Please confirm submerged gearboxes will be allowed where the required torque exceeds what can be safely applied to the stem extension. Please also specify the submersible rating for the gearbox that will be required, e.g., IP-68 or NEMA 6. (We would recommend IP-68 since it has a longer, deeper submersible rating.) Finally, please specify whether food-grade grease will be required in any submersible gearbox.

Answer:

Submersible gearboxes are not acceptable. Rigid rod shaft systems with U-joints are available to meet the torque requirements.

Question # 22:

Page 40 05 21 – 5, paragraph 1.05.B.1 requires services of a “Manufacturer’s Representative” that would generally fall under the capabilities of the actuator supplier. However, Page 40 05 21 – 7, paragraph 2.02.B.1, requires services of a “Manufacturer’s Representative” (or a trained and certified installer) that would generally fall under the capabilities of a valve supplier, especially as it relates to identifying structural damage to the valve. Please confirm that the actuator supplier is solely to inspect the valve to confirm it is physically ready for actuator installation but will not be held responsible should structural damage not be discovered during such inspection.

Answer:

Neither the Contractor nor the Manufacturer’s Representative will be held responsible for pre-existing damage.

Question # 23:

Page 40 05 21 – 7, paragraph 2.02.B.1, prior to installation of a new actuator, each corresponding existing valve is to be examined by the Manufacturer’s Representative or a trained and certified installer. We note that many of the causes given for rejection of a valve will be unobservable for the majority of the valves since they will not be removed from service to be inspected. Please confirm the inspector under this paragraph will not be held responsible should structural damage not discovered during the inspection since it is unreasonable to expect the inspector to be able to discover all such issues during the course of the work since it is beyond the scope of the project.

Answer:

Neither the Contractor nor the Manufacturer's Representative will be held responsible for pre-existing damage.

Question # 24:

Page 40 05 21 – 1, paragraph 1.01.B, if the methods in the scope are followed and a valve is broken, please explain how this will be handled. Under which circumstances will the Contractor be deemed to be at fault and be required to replace the valve at the Contractor's expense? Under which circumstances will the City issue a change order for replacing the valve?

Answer:

Neither the Contractor nor the Manufacturer's Representative will be held responsible for pre-existing damage. Should the Contractor break a valve, the Contractor will not be deemed liable as long as the Contractor has acted with due diligence and appropriate care.

Question # 25:

Page 40 05 21 – 12, paragraph 3.03.C, "Any valves that do not operate easily or are defective shall be reported to the Commissioner." Valves that do not operate easily or are defective may not be discovered until after the installation and start-up of new actuators and through the warranty period. Please confirm the contractor will not be held accountable for any issues stemming from the pre-existing conditions of the valves. While we would endeavor to notify the Commissioner, it is unreasonable to expect the contractor to be able to discover all such issues.

Answer:

Neither the Contractor nor the Manufacturer's Representative will be held responsible for pre-existing damage.

Question # 26:

The 2003 Greeley and Hansen report included in Appendix D of Addendum 2 recommended that the majority of the valves be repaired or replaced since it observed many valves were leaking and some did not open/close smoothly. Due to the condition of these valves as noted in a report from over a decade ago (and presumably the condition of the valves would have deteriorated further unless corrective actions were taken), please confirm that the contractor will not be held responsible for any issues with the valves (e.g., leaking, non-functioning, etc.) that could have been attributable to potential pre-existing conditions. While we would endeavor to notify the Commissioner of issues with the valves that are encountered, it is unreasonable to expect the contractor to be able to discover all such issues during the course of the work since it is beyond the scope of the project.

Answer:

Neither the Contractor nor the Manufacturer's Representative will be held responsible for pre-existing damage. Note that per Specification Section 40 05 21, Paragraph 2.02.B, minor leakage is acceptable.

Question # 27:

Page 40-05-21-12, paragraph 3.04.A, “Take care not to over pressure valves or appurtenances during pipe testing. If any unit proves to be defective, it shall be replaced or repaired to the satisfaction of the Commissioner.” What is meant by “unit”: just the actuator or valve and appurtenances? And if also the latter, what will be the policy for replacing the valve and appurtenances through a change order related to replacement or repair if the valve or appurtenances are found defective?

Answer:

The unit being tested is the actuator.

Question # 28:

A large percentage of the valves have severely corroded bolts, which will make removal and installation of actuators difficult. If a valve breaks during the removal of the existing actuator or when the new actuators are installed (including start-up), what is the process for replacing the valve at the owner’s expense: change order, allowance? We request an allowance to account for new valves, piping, bracketry, labor and all other work or materials necessary to replace a broken valve if required.

Answer:

Refer to Specification Section 40 05 21, Paragraph 1.0.1.B. Contractor shall take all necessary care to prevent damage during removal of the existing actuator. No allowance will be provided. Replacement of a valve, if required, will be addressed as outlined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION, ARTICLE XIV, CHANGES IN THE WORK.

Question # 29:

How are unforeseen circumstances handled with regards to the construction constraints and the number of filters that must be operational? Ex: delivery delays due to the requirement for a replacement valve, delays in adaption fabrication, installation issues, etc.

Answer:

The Contractor is responsible for coordination and scheduling with the CDWM. Unforeseen circumstances will be handled during construction.

Question # 30:

Should there be any inconsistencies between what was shown or discussed on the walk-through and the Technical Specifications and/or Contract Drawings, please indicate which takes precedence.

Answer:

The Contract Documents, Technical Specifications and Contract Drawings, take precedence over any discussions during the site visits.

Question # 31:

Owners Existing Property coverage

Section 2- Contract Insurance Requirements A.5 states the builders risk policy must include damage to adjoining and existing property. Most builders risk insurance policies are written without coverage for existing property, though this coverage can be added.

Please provide a coverage limit for Owners Existing Property coverage on the Builders Risk policy, so Contractor is able to price the additional coverage.

Answer:

Based on the value of the contract, see CONTRACT INSURANCE REQUIREMENTS.

Question # 32:

Contractor Protective Liability policy

Please confirm Contractor is only required to procure an Owners and Contractors Protective Liability policy with the City of Chicago as the named insured, not every subcontractor.

Answer:

Yes, see CONTRACT INSURANCE REQUIREMENTS. City of Chicago also as additional insured.

Question # 33:

Asbestos/Lead insurance requirements

Section 2- Contractor Insurance Requirements A.9 states "When any asbestos/lead remediation work is performed in connection with this Contract, Asbestos Abatement Liability Insurance must be provided or cause to be provided, with limits of not less than \$2,000,000 per occurrence insuring bodily injury, property damage and environmental cleanup". Please confirm that it's acceptable to have a subcontractor provide evidence of the required Asbestos/Lead insurance requirements instead of the Contractor.

Answer:

See CONTRACT INSURANCE REQUIREMENTS.

Question # 34:

Duration of Builders Risk insurance

Book 1, XVIII.E(Insurance) states "you must procure and maintain at all times, at your own expense, through completion of the warranty period, the types of insurance specified in Book 2 of the Contract, with insurance companies authorized to do business in the State of Illinois, covering all operations under this Contract, whether performed by you or by Subcontractors". Please confirm whether Builders Risk insurance can expire once the Work has been put to its intended purpose i.e. substantial completion.

Answer:

Contract insurance is based on the prime contractor with City of Chicago as additional insured, see CONTRACT INSURANCE REQUIREMENTS

Question # 35:

Indemnification clause

The indemnification set forth in Book 1, Gen. Conds., Part VIII.A.1 will be difficult, if not impossible, to insure due to the fact that the obligation is not limited to defense and indemnification for losses caused by Contractor's performance of the work. Will the City consider the following modifications to its indemnification provision:

Contractor must protect, defend, indemnify, and hold the City, its officers, officials, representatives, and employees (collectively the "Indemnitees"), harmless from and against any and all claims, damages, demands, injury or death, ~~in consequence of granting this Contract or arising out of or being in any way connected with~~ arising out of

your performance under this Contract except for matters shown by final judgment to have been caused by or attributable to the negligence of Indemnitees.

Answer:

No, see contract terms and conditions.

Question # 36:

Book 1 GC XX.C.1-2, 10 day cure period

Contractor requests that the Department ammend specification to remove the clause allowing the contractor to be removed without being provided a 10 day cure period.

Answer:

No, see contract terms and conditions.

Question # 37:

Reference Spec. 26 05 33 2.02 C 4 Expansion Fittings:

Locations of expansion joints within the filter building are requested to confirm quantity and size of electrical conduit expansion fittings needed. Please identify by column line.

Answer:

Refer to the attached structural drawings for expansion joint locations.

Question # 38:

Reference dwg. #E-5 Confirmation of Switchgear Lineup "FB-USS-1"

Will the new Siemens substation lineup (under separate contract) be functional by the commencement of the filter backwash controls project? Please confirm that the new 60A-3P circuit breakers needed should be "Siemens" breakers and not existing "Eaton" type breakers.

Answer:

It is not known for sure whether the new Siemens equipment will be installed and functional when this project is being constructed. The new circuit breakers that are being provided will need to be coordinated with the equipment that is operational during this project (Westinghouse or Siemens).

Question # 39:

General Reference; Method of Material Transport Within Filter Building:

Are "Georgia buggies" allowed between the loading dock and FCC locations to transport wet concrete? These carts are typically gasoline or diesel driven. Are there any emissions restrictions within the facility? Are battery powered golf carts permitted for light duty material distribution use?

Answer:

Fuel driven equipment will not be permitted inside the building. The use of battery powered equipment must be coordinated during construction.

Question # 40:

Reference "Project Information", "General Description of Work, Filter Wall Cleaning:"

Specification section 01 35 13 (1.10.A.2) - Is the Contractor responsible for cleaning any of the walls within the filter bay? If so, please specify the proposed cleaning procedure.

Specification section 01 11 01 (1.02.B.22) - Is water available for the Contractor's use for power washing the walls in the pipe gallery?

Specification section 01 11 01 (1.02.B.22) - Can the existing floor drains in the pipe gallery be used to dispose of the water from the pressure washing scope of work?

Answer:

The walls within the filter bay are not being cleaned as part of this project.

Water is available for the Contractor's use for power washing the walls in the pipe gallery.

The floor drains in the pipe gallery can be used to dispose of the water from the pressure washing. Please note that the Contractor shall intercept, catch or screen any large debris that washes off filter walls and not allow them to enter existing trench drains as noted in Specification Section 03 01 70.

Question # 41:

Reference Bid Form, **Bid Due Date;**

Is there any possibility of a bid extension? If permissible, a two week extension would allow us to better define our subcontractor's scope of work, confirm material pricing, etc.

Answer:

Bid Opening date will be extended two weeks by this addendum. The Bid Opening date will be extended as noted in this Addendum.

Question # 42:

Will the replacement of valve packing as listed in the schedule of pricing, bid item G-2, qty. of 10, be in addition to what is shown on the drawings or should all the repacking of the valves be in the base bid?

Answer:

Bid Item G-2 does not include the valve packing that is specifically included in the Contract Documents (Influent Valves in Galleries 1-6, Surface Wash Valves in Galleries 5-6). Refer to Contract Drawing M-14 for the work related to the valve packing for the influent valves in Galleries 1-6 and the surface wash valves in Galleries 5-6.

Question # 43:

Section 40 94 13, 3.02, A. software matrix table shows only the iFix Server Primary with development software. Section 40 94 33, 2.01, A., 2., a., 1) states; Redundant SCADA node pair with enhanced redundancy. Each SCADA node shall be supplied with development capability

Please advise how many developer licenses are required and on which PCs they will be installed.

Answer:

One development license is required on the primary iFix SCADA node. The backup iFix SCADA node shall have a runtime license.

Question # 44:

Section 40 91 43 1C Rosemount has more than one model that meets the specifications. Will a current model that meets and exceeds the specified requirements be acceptable?

Answer:

Substitutions are addressed in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION.

Question # 45:

Section 40 91 42 1c calls out ultrasonic transmitter and transducer pair as a solution. Would a unit that combines the transducer and transmitter (4-20mA output directly from the sensor) be acceptable?

Answer:

Substitutions are addressed in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION.

Question # 46:

The bid form calls out itemized spares parts. G-3b Spares for 40 90 00 - What spares are required for this section?

Answer:

Refer to Specification Section 40 90 00, Paragraph 2.03 and Paragraph 2.04, for the spare parts required by this section.

Question # 47:

The bid form calls out itemized spares parts. G-3c Spares for 40 91 40 states how many of each type of instrument is required for 40 91 42 and G-3d spares for level devices per 40 91 40. Please advise what spares are required in G-3c and what is required for G-3d

Answer:

The spare devices (transmitters, switches, etc.) listed under Specification Section 40 91 40, Paragraph 2.04 shall be provided under their respective specification sections (Section 40 91 42, Section 40 91 43, Section 40 91 46, etc.).

Any spares included under Specification Section 40 91 40 that are not covered under other specification sections (e.g. Paragraph 2.04.B.6) shall be included for the spare parts required by this section.

The accessory included under Specification Section 40 91 42, Paragraph 2.01.B.4 shall be considered a spare part.

Question # 48:

The bid form calls out itemized spares parts. G-3c Spares for 40 91 40 states how many of each type of instrument is required for 40 91 43 and G-3e spares for level devices per 40 91 40. Please advise what spares are required in G-3c and what is required for G-3e

Answer:

The spare devices (transmitters, switches, etc.) listed under Specification Section 40 91 40, Paragraph 2.04 shall be provided under their respective specification sections (Section 40 91 42, Section 40 91 43, Section 40 91 46, etc.).

Any spares included under Specification Section 40 91 40 that are not covered under other specification sections (e.g. Paragraph 2.04.B.6) shall be included for the spare parts required by this section.

Question # 49:

The bid form calls out itemized spares parts. G-3c Spares for 40 91 40 states how many of each type of instrument is required for 40 91 46 and G-3f calls spares for level devices per 40 91 40. Please advise what spares are required in G-3c and what is required for G-3f

Answer:

The spare devices (transmitters, switches, etc.) listed under Specification Section 40 91 40, Paragraph 2.04 shall be provided under their respective specification sections (Section 40 91 42, Section 40 91 43, Section 40 91 46, etc.).

Any spares included under Specification Section 40 91 40 that are not covered under other specification sections (e.g. Paragraph 2.04.B.6) shall be included for the spare parts required by this section.

Question # 50:

Specification 09 90 20, subsection 1.01B notes "This work also includes painting the new instrument air pipe and fitting as shown on the drawings and all other work obviously required to be painted unless otherwise specified." Please define all other work obviously required to be painted. Will painting work only be confined to new work installed on this project?

Answer:

Yes. Painting will only be required for new work being installed under this project.

Question # 51:

Addendum 1 referenced spec section 03 01 70 would be reissued with Addendum 1. We received Addendum 1, and the pictures, but did not see the revised spec section. Can you resend this?

Answer:

This revised specification section (Section 03 01 70) will be reissued as part of this addendum.

Question # 52:

Can all the existing pipe stands for the miscellaneous instruments be reused or are we to provide new ones?

Answer:

Refer to the Contract Drawings I-43 and I-44. The existing pipe stand can be re-used for the Differential Pressure Transmitters for Galleries 1-6 Master Backwash and Master Surface Wash Flows as shown in Detail M. New pipe stands shall be provided for the rest of the instruments as shown on the Details on Contract Drawings I-43 and I-44.

Question # 53:

On Sheet M-6 Note 2 states to provide 8 new 2" valves for the gallery supply headers. Are we to provide 8 total valves or 8 valves per gallery 1-4 which would be 32 valves? Please provide make and model for these valves.

Answer:

It appears that this question was in regards to General Note 3 on Contract Drawing M-6.

A total of eight (8) valves shall be provided as stated in General Note 3 on Contract Drawing M-6.

The isolation valves shall be compatible with the existing hydraulic piping.

Question # 54

Specification 40 0521, subsection 2.02 B, Note 1 requires existing valves to be to be examined by the Manufacturer's Representative or a trained and certified installer.

Is the inspection to be provided by the valve manufacturer's representative or the valve actuator manufacturer's representative?

Answer:

The manufacturer rep is referring to the actuator manufacturer.

Question # 55

Specification 40 0521, subsection 2.02 B, Note 1 requires existing valves to be to be examined by the Manufacturer's Representative or a trained and certified installer.

"Cause for rejection of the valve would be physical damage to the body of the valve, valve disc or valve shaft, or corrosion of the connection of the disc to the shaft."

For a majority of the valves, in order to perform a complete visual inspection of the valve disc or corrosion of the connection of the disc to the shaft, the valve would be required to be removed from the pipe assembly. Removal of valve would add a significant amount of cost to the bid. Please confirm it not the commissioners/engineer's intent to remove the valve from the pipe assembly for inspection of the valve discs and only visible portions of the valve shall be inspected.

Please confirm if the valve is rejected, costs for potential valve replacement or remedial work not specified would be the responsibility of the owner. Please confirm a time extension would be granted for delays as a result of a rejected valve.

Answer:

This will be addressed by addendum. The inspection shall include the exterior of the valve as it relates to the actuator installation. No valve is to be removed from service for an internal inspection. However, the influent valve disks are exposed and a visual inspection of the exposed portion of the interior of the valve should be conducted to examine the general condition of the valve and the connection between the shaft and disk. A full inspection of the interior of the influent valves is not required. In addition, all valves should be operated through an open-close cycle as a check for binding prior to the installation of the new actuator.

If a valve is rejected, any required work will either be performed by the Owner or will be addressed as outlined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION, ARTICLE XIV, CHANGES IN THE WORK. Any time extensions would be addressed as outlined in BOOK 1 – TERMS AND CONDITIONS FOR CONSTRUCTION, ARTICLE XI, SCHEDULE.