



### **ADDENDUM #3**

### **DIGESTER 5 INTERIOR COATING PROJECT**

**BID #13/14-018 – PWP# WA-2014-112**

**BIDS DUE NO LATER THAN: 1:45 PM ON APRIL 3, 2014**

**PUBLIC BID OPENING: 2:00 PM ON APRIL 3, 2014**

This addendum is to notify all potential proposers of clarifications made to the Bid documents as stated below.

#### **BIDDER COMMENT LOG**

A copy of the log sheet reflecting the questions received from the City by potential bidders on this project is attached, tracking the response to each question.

#### **SPECIFICATIONS**

1. BID ITEM SCHEDULE (Pages 4 through 6): Make the following changes:
  - A. DELETE the BID ITEM SCHEDULE in its entirety and REPLACE with the attached - REVISED BID ITEM SCHEDULE.
2. SPECIAL CONDITIONS AND SPECIFICATIONS: Make the following changes:
  - A. ADD in its entirety Attachment B – Section 337 – Photograph and Video Recording
3. SECTION 01015 CONTRACTOR’S USE OF PREMISES
  - A. DELETE Paragraph four in its entirety.
4. SECTION 01660 PERFORMANCE AND OPERATIONAL TESTING
  - A. DELETE Paragraph 3.01.B – DIGESTER FOR GAS-TIGHTNESS in its entirety.
5. SECTION 09800 PROTECTIVE COATINGS FOR DIGESTIVE COVERS
  - A. 1.01 SCOPE – A.: INSERT the following paragraph as the second paragraph:

“Contractor shall assume that the work will require the removal of the existing coating that is the more labor intensive of Sikaguard 62 or coal tar epoxy at a minimum of 20 mils.”
  - B. 1.01 SCOPE - A.6: DELETE the sentence in its entirety, and REPLACE with “Abrasive blast surfaces per SSPC SP5 and power tool clean rusty or corroded areas and remove loose, peeling and blistered coating in accordance with SSPC SP11 as required.”

- C. 1.04 SUBMITTALS – 13: DELETE the last sentence in the paragraph and REPLACE with: “If testing results of coating chip and spent abrasive waste results exceed CFR Title 40 261.24 TCLP limits, all work associated with abatement, collection, storage, transportation and legal disposal shall be accounted for and as part of Additive Alternative Item B in the Bid Schedule.”
- D. 1.04 SUBMITTALS – 15: DELETE the first paragraph in its entirety and REPLACE it with: “Heavy Metal Removal, Containment, Disposal and Environmental and Personnel Protection Plans. The Contractor shall prepare written plans that address the following:”
- E. 1.04 SUBMITTALS – 15.a: DELETE the second sentence in its entirety and REPLACE with: “The Contractor shall assist the Owner in obtaining the following; an EPA identification number that proper manifesting of the waste will be addressed, and that all site storage limitations, including the time of storage, container requirements, contingency plan, and personnel training, will be observed.”
- F. 1.04 SUBMITTALS – 15.b: DELETE the fourth sentence in its entirety and REPLACE with: “The four remaining samples for each stream may be tested as directed by the Engineer if the initial test sample average is indicative of hazardous materials and there is sufficient sample variability to warrant additional testing in an effort to obtain a hazardous or non-hazardous sample average.”
- G. 1.04 SUBMITTALS – 15: ADD the following paragraph: “h. The Contractor shall collect a 2.5 mg coating sample and have it analyzed for 17 heavy metals regulated by CFR Title 40 261.24 at an EPA-certified laboratory. If lead is found in a concentration greater than 500 mg/kg (ppm) per the TTLC method, the Contractor shall create a compliance program in accordance with OSHA Regulations 29 CFR 1926.62 for lead exposure in construction. If the other heavy metals exceed the TCLP limits, the Contractor shall create a compliance program in accordance with OSHA Regulations 29 CFR 1926.62.”
- H. 1.09 INSPECTION AND TESTING – A, seventh paragraph: DELETE in its entirety and REPLACE with: “No.1 (potable) water and No. 2 (reuse) water is available for the Contractors’ use.”
- I. 3.03 PROTECTION OF SURFACES NOT COATED – fourth paragraph, last sentence: DELETE in its entirety and REPLACE with: “Dehumidification and environmental control shall be used to obtain an ambient condition if requested by the Engineer or Inspector or required by the coating manufacturer, whichever is more stringent.”
- J. 3.04 SURFACE PREPARATION FOR STEEL SURFACES – 3.: DELETE sentence in its entirety and REPLACE with: “The Contractor shall remove all lining and

prepare surfaces using blasting per SSPC SP5 with a sharp and angular surface profile of 3.5 mils.”

- K. 3.06 PROCEDURES FOR APPLICATION OF COATINGS – A.10, fourth sentence: DELETE in its entirety and REPLACE with: “Edges, corners, joints, and other protrusions shall be coated and shall be 100 percent holiday-free.”

6. SECTION 11025 MODIFICATION OF EXISTING EQUIPMENT

- A. 3.02 DIGESTER 5 RECOATING OF INTERIOR DIGESTER COVER, third paragraph: “The interior of the digester cover, including the interior surface of the skirt ,removed and in-place manway covers, and all metallic surfaces associated with the over, cover supports and attachments shall be cleaned and coated as specified in Section 09800.”

**PLAN SHEETS**

- 1. Sheet Number 3, Drawing Number M-101: DELETE Note 5 in its entirety, and REPLACE with “Gas Dome can be used for access to interior of digester”.
- 2. Sheet Number 8, Drawing Number M-106: DELETE Note 2 in its entirety, REPLACE with” The underside of the gas dome cover is part of the digester cover and shall be coated as part of this work”.

Please note and adjust your bid according to the revisions, additions, deletions, clarifications or modifications as presented on this Addendum #3, which are made a part of this bid. NOTE: To avoid disqualification, this Addendum 3 (and any other addenda) must be signed by an authorized representative of the bidding firm in the space provided and must be submitted with your firm’s sealed proposal (not later than 1:45 pm on April 3, 2014). Failure to return this addendum, duly signed, may be cause for rejection of the bid. ALL ADDENDA SHOULD BE SIGNED AND PLACED IN SEQUENTIAL ORDER AND ATTACHED TO THE FRONT OF THE BID PACKAGE, COMPLETE WITH ALL REQUIRED DOCUMENTS.

\_\_\_\_\_  
CONTRACTOR BUSINESS NAME

\_\_\_\_\_  
Dan Marran, C.P.M., CPPO  
Contracts and Risk Manager

X\_\_\_\_\_  
Authorized Signature

March 19, 2014

\_\_\_\_\_  
Printed Name of Person Signing

**TMWRF - Digester 5 Cover Interior Coating Project  
Bidder Comment Log**

No	Location	Comment	Response	Action
1	GC	Question – Does the city expect the contractor to jack up the roof to access the top of rafters for surface prep, coating, backer rod, and caulking?	No	None
2	GC	What is the intended Notice to proceed Date?	Scheduled for mid to late April	None
3	GC	Local Preference Affidavit (NRS338.147)Is this project include any Federal Funding?	No	None
4	GC	What is the cost for city employees spent overtime?	\$50 per hour	None
5	GC - Section 21	Does prevailing wages apply to this Project?	Yes	None
6	Bid Schedule	Question - Per bid Item 1.0 and Bid item 2.0 both state to install backer rod. Bid item 2 also states to caulk? What is the intention for installing backer rod in bid item 1.0?		Addendum Change
7	Bid Schedule	Bid Form, Item No. 1 Includes the following wording on line 4 "Including Possible Repairs" Should that statement be followed by Per Force account Provision in Bid Item No.3 ?	No	Addendum Change
8	Bid Schedule	Is Dehumidification Required?		Addendum Change
9	Bid Schedule	If Lead is not present in the coating, all cleaning, removal, transportation and legal disposal of all project waste will be provided as part of bid item 2 of the base bid. Should this read as part of Bid Item No. 1?	Yes	Addendum Change
10	SC - 100.19	Reference is made to Section 337 but this section cannot be found?		Addendum Change
11	SC - 100.43	Is electricity available at the Digester Location? This will save the City of Sparks Money if Electricity is available for Heating and/or This will save the City of Sparks Money if Electricity is available for Heating and/or dehumidification equipment. Electricity for dehumidification is 480.	Yes, electricitiy will be provided by the TMWRF. TMWRF has 480 available.	Addendum Change
12	SC - Section 1	The following statement is made: "The contractor is made aware that the work will be performed inside Digester No. 5 and that Digester 5 is consider permit required confined space." Is a full time rescue team required to be on the jobsite for Confined Space Work?	Yes	None
13	SC - Section 18	Is work on Saturdays allowed?	Yes	None
14	SC - Section 20	What is the allowable Mark-up and Profit for Force Account Work?	Less than or equal to 10%	None
15	01015	37" Diam. gas dome opening. I believe statement was made at the pre-bid meeting that the city of Sparks/Plant Operators will remove the 37" gas dome assembly. Please confirm or clarify,	Dome will be removed, replaced and tested by the TMWRF staff	Addendum Change
16	01660 - 1.03.1.a	Sample forms for documenting the results of field pressure and performance tests. Please clarify of this requirement apply to this project? If so, what field pressure and performance tests ?	Pressure test of gas dome will be removed from Contractor work	Addendum Change
17	01660-2.02	It is assumed that inspections will be a joint duty between the Contractor and the designated Inspector. Please clarify this requirement?	Section 01660 provides the requirements for Contractor's testing plan. Contractor shall provide all required testing.	None
18	01660-3.B	Question – Who is responsible for this section? The contractor has no mechanical work on this project and would expect the owner to perform this work.		Addendum Change
19	01720	There is no Contract drawing, location of equipment, conduits etc., instrument settings, contractor layout and installation drawings involved in this project. Please clarify this requirement?	All contractor work shall be annotated on Drawings	None
20	01999- 10	Step 10 - Adhesion Testing: Please describe the intended Adhesion testing keeping in mind that adhesion testing is a Destructive Test and requires additional work to repair the tested areas?	Refer to Section 09880-3.08 Testing and Inspection for adhesion requirements.	None
21	09800	Question – Is it possible for the City to perform a hardness test on the existing coating to determine if the coating is Sikaguard 62 or CTX?	No	Addendum Change

22	098000-3.04	Surface Preparation for Steel Surfaces, Item 2.:State: "All new and sharp edges and welds shall be rounded or chamfered and all burrs, surface defects, and weld splatter shall be ground smooth prior to blast cleaning preparation profiling per SSPC-SP3 and NACE RP178. Sharp edges shall be rounded to 1/8" radius. "Since the Dome Interior surfaces were not available for inspection at the pre-bid meeting, how can we quantify this requirement? A bid alternate Item should be created to account for possible grinding requirement		Addendum Change
23	09800-1.01.A.6	State: Abrasive blast surfaces per SSPC-SP5 and power tool clean rusty or corroded areas and remove loose, peeling and blistered coating in accordance with SSPC-SP11 in areas " <u>that are inaccessible to blasting</u> " SSPC-SP11 is a power tool cleaning process, if areas are not accessible by sandblasting how will they become accessible for power tool cleaning?		Addendum Change
24	09800-1.02.C.2	Testing for chlorides, sulfates or nitrates is normally perform before the surface preparation work is done and it's removal if necessary also performed before the surface preparation in order to avoid the entrapment of contamination in the surface profile. Please review and advise		None
25	09800-1.02.C.8	Describe the requirement for adhesion testing?	Refer to Section 09880-3.08 Testing and Inspection for adhesion requirements.	None
26	09800-1.04.13	State: "Hazardous Waste Disposal costs shall <u>be negotiated</u> with the owner as an extra cost per the Bid Schedule. "Should Bid Item No. B eliminate the need for negotiation?		Addendum Change
27	09800-1.04.15.a	State: "The Contractor shall confirm that an EPA identification number will be obtained "The Hazardous Waste is generated by the owner of the plant and only the owner can obtain the requested EPA identification. Contractor to handle all the necessary requirements, manifest, etc. but Contractor cannot have the EPA Number at its name. Please review and confirm		Addendum Change
28	09800-1.04.15.b	State: "The four remaining samples for each stream may be tested by the engineer if the initial test sample average is indicative of hazardous material and there is sufficient sample variability to warrant additional testing in an " <u>effort to obtain a non-hazardous sample average</u> ." This statement needs to be looked at, in my recollection you are not allow to modify the testing to achieve non hazardous status?!!!		Addendum Change
29	09800-1.07	7th paragraph State: "Failure to comply with health and safety laws, regulations, codes, permits and <u>Standard Operation Procedures</u> ." Please describe "Standard Operation Procedures"?		Addendum Change
30	09800-3.03	Humidity Control: Last Sentence State: "Dehumidification, if determined necessary by the engineer, will be paid for using the force account in accordance with section 355." Section 355 cannot be found in the documents Should dehumidification be added to Bid Item A?		Addendum Change
31	09800-3.03	Is electricity available for the DH Equipment?	yes	See response for Comment No. 11
32	09800-3.06	Procedures for application of coatings, A, 8. "Caulking and Sealant "Last sentence State: "The quantity of materials installed will be paid for using the force account in accordance with Section 355." The Bid Item No. 2 is a Lump Sum Item for same requirement. Please clarify method of payment?		Addendum Change
33	09800-1.02.C.2	Page 72 – Who pays for rinsing and sweep blasting if salt contamination is greater than 5milligrams per sq centimeter? There is no bid item.		Addendum Change
34	09800-1.09.A and SC - 100.43	Page 81 – Is water available anywhere in the plant for contractors use? Is there costs associated with this?	No. 1 (potable) and No. 2 (reused) water is available at the TMWRF at no charge to the contractor	Addendum Change

35	09800-1.09.B	Page 82 – Is welding and epoxy surface paid under Bid Item 3.0 Force Account?	Repairs of steel surface will be paid for using force account bid item	None
36	09800-3.04.1	Page 87 – Under surface preparation it states to steam clean all surface contaminants per SSPC SP-1 prior to blasting. Is this item of work to be under Bid Item 1.0?	Yes, cleaning is described as part of Bid Item 1.	Addendum Change
37	09800-3.04.3	Page 87 – States to remove the liner then blast to a SP-5. What is your intention regarding this section? Typically the liner removal and the SP-5 happens during the same operation.		Addendum Change
38	09800-3.06.A.10	Page 25 – Calls for stripe coat. Typically with a 100% solid polyurethane you do not stripe coat. Is this stripe coat required?		Addendum Change

**CITY OF SPARKS  
DIGESTER 5 INTERIOR COATING PROJECT  
REVISED BY ADDENDUM 3**

**BID # 13/14-018  
PWP # WA-2014-112**

**PRICES** must be valid for 90 calendar days after the bid opening.

**COMPLETION** of this project is expected **PURSUANT TO CONTRACT DOCUMENTS.**

**BIDDER** acknowledges receipt of \_\_\_\_\_ Addenda.

\_\_\_\_\_  
Bidder (Company) Name

\_\_\_\_\_  
(signature)

**BID ITEM SCHEDULE:**

Item No.	Quantity	Unit	Description	Unit Price	Total Price
1.0	1	LS	Install equipment and scaffolding, remove existing coating, sample and test existing coating for lead, clean (including steam clean), prepare surface, dehumidification and environment control required for the ambient condition recommended by the coating manufacturer, and recoat the interior surface of the digester 5 cover (a permitted, confined space), including flat surface, radial beams, interior surface of the skirt and all metallic surfaces at the connection of the cover to the interior surface of the concrete tank wall, inspect and test installed coating, clean-up and replacement of access ways to existing condition . All work shall meet the requirements specified by the manufacturer for the installation of the coating system, complete and in place, and shall be provided in accordance with, and including, all related work shown on the drawings and specifications herein.	\$ _____ /LS	\$ _____
2.0	1	LS	Install a sealant and backer rod between all radial beams and the roof plates and between overlapping roof plates prior the application of the specified coating system. The cost shall include all labor and materials for the installation.	\$ _____ /LS	\$ _____

3.0	1	LS	Test surfaces for soluble salt concentrations as specified in section 1.02.c, if tests indicate an out of limit concentration, treat and apply specified soluble salt remover as specified, remove the contaminants, and retest. Assume one treatment cycle. The cost shall include labor and materials.	\$ _____/LS	\$ _____
4.0	1	LS	Force Account		\$ 25,000
<b>TOTAL BASE BID</b>					\$ _____

**ADDITIVE ALTERNATE A (HEATING):**

Item No.	Quantity	Unit	Description	Unit Price	Total Price
A	1	LS	Provide heating during the cleaning, application and curing of the cover coating to meet the temperature requirements specified by the manufacturer for the installation of the coating system. The alternative a bid item shall include all materials, equipment and labor associated with the work described herein. Alternate a bid item shall be based on work being performed when the ambient conditions do not meet the manufacturer's recommendations, the necessary heating will be provided as part of bid item 1.0 of the base bid.	\$ _____/LS	\$ _____
<b>TOTAL ALTERNATE A</b>					\$ _____



**ADDITIVE ALTERNATE B (LEAD AND HAZARDOUS WASTE ABATEMENT):**

Item No.	Quantity	Unit	Description	Unit Price	Total Price
B	1	LS	Provide abatement, collection, storage, transportation and legal disposal requirements specified if lead is present in existing coating, and if constituents of the coating chips and abrasive waste material exceed cfr title 40 261.24 tclp limits. Alternate bid item b will include, but not be limited to, health and safety requirements associated with abatement, collection, storage, transportation and legal disposal of hazardous contaminated waste. If lead is not present in the existing coating, or if constituents of the coat chip and abrasive waste do not exceed the limits of cfr title 40 261.24 tclp limits, all cleaning, removal, transportation and legal disposal of all the project waste will be provided as part of bid item 1.0 of the base bid.	\$ _____/LS	\$ _____
<b>TOTAL ALTERNATE B</b>					\$ _____

<b>TOTAL BASE BID</b>	\$ _____
<b>TOTAL ALTERNATE A</b>	\$ _____
<b>TOTAL ALTERNATE B</b>	\$ _____
<b>GRAND TOTAL BASE BID AND ALTERNATES A &amp; B</b>	\$ _____

(Written amount GRAND TOTAL) \$ \_\_\_\_\_

**PLEASE NOTE:** Bid ranking, evaluation and award recommendation will be made using the “Total Base Bid.” Determination of use of the bid alternate in the final contract to be awarded will only be determined after the apparent low bidder is identified using the “Total Base Bid.”

## **ATTACHMENT B**

The following information is attached to the City of Sparks Special Conditions and Specifications for:

**CITY OF SPARKS  
TRUCKEE MEADOWS WATER RECLAMATION FACILITY  
Improvement Plans for  
DIGESTER 5 INTERIOR COATING PROJECT  
CONTRACT NUMBER 13/14 - 018  
PWP WA-2014 - 112**

### **Section 337 - Photograph and Video Recording**

#### **337.01 Description**

Work shall consist of the Contractor providing photographs and video recordings of conditions prior to and post construction. Color photographs and color audio-video recordings are intended for use as indisputable evidence in ascertaining the extent of any damage which may occur as a result of the Contractor's operations and are for the protection of the Contractor and the City, and will be a means of determining whether and to what extent, damage, resulting from the Contractor's operations, occurred during the contract work.

#### **337.02 - Document Materials and Procedure**

Contractor shall maintain a copy of the site examination documentation for the duration of the work.

#### **337.03 - Photographs**

The photographs shall be digital color and shall indicate on the back of each print, the date, name of work, and location that the photograph was taken. One 5-inch by 6-inch print of each photograph, together with electronic copies on a CD or flash drive, shall be delivered to Engineer within five days following each set of exposures. The photographer shall be qualified and equipped to photograph either interior or exterior exposures, with lenses ranging from wide angle to telephoto.

The Contractor shall take a minimum of twenty photographs within the interior of the digester and a minimum of twenty photographs of the exterior locations of the Contractor accessed areas.

### **337.04 – Video Recording**

Video recordings shall be color DVD recordings and shall indicate the date, name of contract, and location where the recording was performed. The recording should have an audio track which narrates the progression of the video tape through the site. Recordings shall display date and time of the recording. The DVD recording shall be delivered to the Engineer within five working days. The videographer shall be qualified and equipped to video record either interior or exterior with lenses from wide angle to telephoto.

### **337.05 - Post-Construction**

Upon completion of the work, the Contractor shall perform the photography and video recordings again. The same number of photographs and shall be taken and the video recording shall be performed from the same points and in the same direction as the pre-construction photographs.

After the post-restoration, a copy of the video and photographs taken will be provided to the Engineer. The Engineer will ascertain the extent of any damage, and will determine whether improvements, damaged or removed during construction, have been returned to specified or original condition. Final payment for the project shall not be made or the retainage released until the Engineer has determined that the construction site meets or exceeds the specified or original condition, and the Contractor has received the signed release form from the City.

### **337.06 - Submittals**

The Engineer will review the submitted video and photographs for quality. The Contractor will be responsible for modifications to their equipment and/or inspection procedures to achieve video and photograph material of acceptable quality. No work shall commence prior to approval of the material by the engineer. The Contractor shall submit the following information for review per Section 100.31 (in Special Conditions and Specifications) at the pre-construction meeting following notification of award of the contract:

1. Pre-construction video recording shall be submitted to the Engineer.
2. Photographs and video recordings taken during construction shall be submitted with each application for payment.
3. Post-restoration photographs and video recordings shall be submitted to the Engineer within fourteen days after acceptance of the project.